Appendix D

5) Former Hazardous Waste Storage Area Soil Verification Sampling Results

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	9:30
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77269

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	11/15/13		E160.3
Field Extraction	Completed			11/15/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromoethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	11/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	11/17/13	HM	SW8260
2-Chlorotoluene	ND	250	ug/Kg	11/17/13	HM	SW8260
2-Hexanone	ND	1300	ug/Kg	11/17/13	HM	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	11/17/13	HM	SW8260

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-01

Phoenix I.D.: BF77269

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	250	ug/Kg	11/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	1300	ug/Kg	11/17/13	HM	SW8260
Acetone	ND	5000	ug/Kg	11/17/13	HM	SW8260
Acrylonitrile	ND	500	ug/Kg	11/17/13	HM	SW8260
Benzene	ND	250	ug/Kg	11/17/13	HM	SW8260
Bromobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
Bromochloromethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Bromodichloromethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Bromoform	ND	250	ug/Kg	11/17/13	HM	SW8260
Bromomethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Carbon Disulfide	ND	250	ug/Kg	11/17/13	HM	SW8260
Carbon tetrachloride	ND	250	ug/Kg	11/17/13	HM	SW8260
Chlorobenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
Chloroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Chloroform	ND	250	ug/Kg	11/17/13	HM	SW8260
Chloromethane	ND	250	ug/Kg	11/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	11/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	250	ug/Kg	11/17/13	HM	SW8260
Dibromochloromethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Dibromomethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Dichlorodifluoromethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Ethylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
Hexachlorobutadiene	ND	250	ug/Kg	11/17/13	HM	SW8260
Isopropylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
m&p-Xylene	ND	250	ug/Kg	11/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	3000	ug/Kg	11/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	11/17/13	HM	SW8260
Methylene chloride	ND	500	ug/Kg	11/17/13	HM	SW8260
Naphthalene	ND	250	ug/Kg	11/17/13	HM	SW8260
n-Butylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
n-Propylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
o-Xylene	ND	250	ug/Kg	11/17/13	HM	SW8260
p-Isopropyltoluene	ND	250	ug/Kg	11/17/13	HM	SW8260
sec-Butylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
Styrene	ND	250	ug/Kg	11/17/13	HM	SW8260
tert-Butylbenzene	ND	250	ug/Kg	11/17/13	HM	SW8260
Tetrachloroethene	ND	250	ug/Kg	11/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	500	ug/Kg	11/17/13	HM	SW8260
Toluene	ND	250	ug/Kg	11/17/13	HM	SW8260
Total Xylenes	ND	250	ug/Kg	11/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	11/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	250	ug/Kg	11/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	11/17/13	HM	SW8260
Trichloroethene	ND	250	ug/Kg	11/17/13	HM	SW8260
Trichlorofluoromethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	250	ug/Kg	11/17/13	HM	SW8260
Vinyl chloride	ND	250	ug/Kg	11/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	11/17/13	HM	70 - 130 %

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-01

Phoenix I.D.: BF77269

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	94		%	11/17/13	HM	70 - 130 %
% Dibromofluoromethane	100		%	11/17/13	HM	70 - 130 %
% Toluene-d8	99		%	11/17/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Trip blank included. %Solids assumed 100%

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	9:35
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77270

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	11/15/13		E160.3
Field Extraction	Completed			11/15/13		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	11/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
2-Hexanone	ND	25	ug/Kg	11/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-02

Phoenix I.D.: BF77270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	11/17/13	HM	SW8260
Acetone	ND	30	ug/Kg	11/17/13	HM	SW8260
Acrylonitrile	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Benzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromochloromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromoform	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromomethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chloroform	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chloromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	11/17/13	HM	SW8260
Dibromomethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Ethylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
m&p-Xylene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	11/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	11/17/13	HM	SW8260
Methylene chloride	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Naphthalene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
o-Xylene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Styrene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	11/17/13	HM	SW8260
Toluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Total Xylenes	ND	5	ug/Kg	11/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	11/17/13	HM	SW8260
Trichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Vinyl chloride	ND	5.0	ug/Kg	11/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	107		%	11/17/13	HM	70 - 130 %

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-02

Phoenix I.D.: BF7727C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	102		%	11/17/13	HM	70 - 130 %
% Dibromofluoromethane	113		%	11/17/13	HM	70 - 130 %
% Toluene-d8	106		%	11/17/13	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Trip blank included. %Solids assumed 100%

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Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
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146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	10:30
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77271

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	11/18/13	EK	SW6010
Arsenic	2.0	0.7	mg/Kg	11/18/13	EK	SW6010
Barium	35.4	0.33	mg/Kg	11/18/13	EK	SW6010
Cadmium	< 0.33	0.33	mg/Kg	11/18/13	EK	SW6010
Chromium	9.52	0.33	mg/Kg	11/18/13	EK	SW6010
Mercury	< 0.06	0.06	mg/Kg	11/18/13	RS	SW-7471
Lead	5.04	0.33	mg/Kg	11/18/13	EK	SW6010
Selenium	< 1.3	1.3	mg/Kg	11/18/13	EK	SW6010
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Soil Extraction SVOA PAH	Pending			11/15/13	BB/FV	SW3545
Extraction of CT ETPH	Pending			11/15/13	BS/VF	3545
Mercury Digestion	Completed			11/18/13	I/I	SW7471
Total Metals Digest	Completed			11/15/13	Z/AG	SW846 - 3050
Field Extraction	Completed			11/15/13		SW5035
TPH by GC (Extractable Products)						
TPH by GC (Extractable Products)	Pending		mg/Kg			CT ETPH/8015
Polychlorinated Biphenyls						
PCB-1016	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	420	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	330	ug/Kg	11/16/13	AW	SW 8082

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-03

Phoenix I.D.: BF7727†

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1268	ND	330	ug/Kg	11/16/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	106		%	11/16/13	AW	30 - 150 %
% TCMX	99		%	11/16/13	AW	30 - 150 %
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	11/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
2-Hexanone	ND	25	ug/Kg	11/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	11/17/13	HM	SW8260
Acetone	ND	30	ug/Kg	11/17/13	HM	SW8260
Acrylonitrile	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Benzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromochloromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromoform	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Bromomethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chlorobenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chloroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chloroform	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Chloromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	11/17/13	HM	SW8260

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-03

Phoenix I.D.: BF77271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Dibromomethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Ethylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
m&p-Xylene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	11/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	11/17/13	HM	SW8260
Methylene chloride	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Naphthalene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
o-Xylene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Styrene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	11/17/13	HM	SW8260
Toluene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Total Xylenes	ND	5	ug/Kg	11/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	11/17/13	HM	SW8260
Trichloroethene	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	11/17/13	HM	SW8260
Vinyl chloride	ND	5.0	ug/Kg	11/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	101		%	11/17/13	HM	70 - 130 %
% Bromofluorobenzene	95		%	11/17/13	HM	70 - 130 %
% Dibromofluoromethane	96		%	11/17/13	HM	70 - 130 %
% Toluene-d8	100		%	11/17/13	HM	70 - 130 %

Polynuclear Aromatic HC

Polynuclear Aromatic HC	Pending		ug/Kg			SW 8270

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-03

Phoenix I.D.: BF77271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was repc for the semivolatile analysis.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	10:35
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77272

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	11/18/13	EK	SW6010
Arsenic	1.4	0.7	mg/Kg	11/18/13	EK	SW6010
Barium	35.6	0.34	mg/Kg	11/18/13	EK	SW6010
Cadmium	< 0.34	0.34	mg/Kg	11/18/13	EK	SW6010
Chromium	7.25	0.34	mg/Kg	11/18/13	EK	SW6010
Mercury	< 0.07	0.07	mg/Kg	11/18/13	RS	SW-7471
Lead	5.58	0.34	mg/Kg	11/18/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	11/18/13	EK	SW6010
Percent Solid	96		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			11/15/13	BB/FV	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545
Mercury Digestion	Completed			11/18/13	I/I	SW7471
Total Metals Digest	Completed			11/15/13	Z/AG	SW846 - 3050
Field Extraction	Completed			11/15/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	51	mg/Kg	11/18/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	11/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	88		%	11/18/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	11/16/13	AW	SW 8082

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-04

Phoenix I.D.: BF77272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1254	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	11/16/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	72		%	11/16/13	AW	30 - 150 %
% TCMX	73		%	11/16/13	AW	30 - 150 %
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	11/17/13	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
2-Hexanone	ND	26	ug/Kg	11/17/13	HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	11/17/13	HM	SW8260
Acetone	ND	31	ug/Kg	11/17/13	HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Benzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Bromoform	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Bromomethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Chloroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Chloroform	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Chloromethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-04

Phoenix I.D.: BF77272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	11/17/13	HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	11/17/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	11/17/13	HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Naphthalene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
o-Xylene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Styrene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	11/17/13	HM	SW8260
Toluene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	11/17/13	HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	11/17/13	HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	11/17/13	HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	11/17/13	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	108		%	11/17/13	HM	70 - 130 %
% Bromofluorobenzene	97		%	11/17/13	HM	70 - 130 %
% Dibromofluoromethane	83		%	11/17/13	HM	70 - 130 %
% Toluene-d8	109		%	11/17/13	HM	70 - 130 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Acenaphthene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Acenaphthylene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Anthracene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Benz(a)anthracene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Benzo(a)pyrene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Benzo(b)fluoranthene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Benzo(ghi)perylene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Benzo(k)fluoranthene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Chrysene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Fluoranthene	ND	480	ug/Kg	11/17/13	DD	SW 8270

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-04

Phoenix I.D.: BF77272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Fluorene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Naphthalene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Phenanthrene	ND	480	ug/Kg	11/17/13	DD	SW 8270
Pyrene	ND	480	ug/Kg	11/17/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	68		%	11/17/13	DD	30 - 130 %
% Nitrobenzene-d5	74		%	11/17/13	DD	30 - 130 %
% Terphenyl-d14	69		%	11/17/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was repc for the semivolatile analysis.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	10:40
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77273

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	11/18/13	EK	SW6010
Arsenic	1.9	0.7	mg/Kg	11/18/13	EK	SW6010
Barium	35.4	0.33	mg/Kg	11/18/13	EK	SW6010
Cadmium	< 0.33	0.33	mg/Kg	11/18/13	EK	SW6010
Chromium	8.89	0.33	mg/Kg	11/18/13	EK	SW6010
Mercury	< 0.06	0.06	mg/Kg	11/18/13	RS	SW-7471
Lead	8.39	0.33	mg/Kg	11/18/13	EK	SW6010
Selenium	< 1.3	1.3	mg/Kg	11/18/13	EK	SW6010
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			11/15/13	BB/FV	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545
Mercury Digestion	Completed			11/18/13	I/I	SW7471
Total Metals Digest	Completed			11/15/13	Z/AG	SW846 - 3050
Field Extraction	Completed			11/15/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	51	mg/Kg	11/18/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	11/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	91		%	11/18/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	11/16/13	AW	SW 8082

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-05

Phoenix I.D.: BF77273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1254	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	880	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	11/16/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	108		%	11/16/13	AW	30 - 150 %
% TCMX	110		%	11/16/13	AW	30 - 150 %
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	11/16/13	JL/HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
2-Hexanone	ND	26	ug/Kg	11/16/13	JL/HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	11/16/13	JL/HM	SW8260
Acetone	ND	31	ug/Kg	11/16/13	JL/HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Benzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromoform	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromomethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chloroform	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chloromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-05

Phoenix I.D.: BF77273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	11/16/13	JL/HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	11/16/13	JL/HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	11/16/13	JL/HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Naphthalene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
o-Xylene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Styrene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	11/16/13	JL/HM	SW8260
Toluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	11/16/13	JL/HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	103		%	11/16/13	JL/HM	70 - 130 %
% Bromofluorobenzene	95		%	11/16/13	JL/HM	70 - 130 %
% Dibromofluoromethane	89		%	11/16/13	JL/HM	70 - 130 %
% Toluene-d8	99		%	11/16/13	JL/HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Chrysene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	11/16/13	DD	SW 8270

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-05

Phoenix I.D.: BF77273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Fluorene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Naphthalene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	11/16/13	DD	SW 8270
Pyrene	ND	230	ug/Kg	11/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	92		%	11/16/13	DD	30 - 130 %
% Nitrobenzene-d5	87		%	11/16/13	DD	30 - 130 %
% Terphenyl-d14	85		%	11/16/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	10:40
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77274

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	11/18/13	EK	SW6010
Arsenic	1.4	0.7	mg/Kg	11/18/13	EK	SW6010
Barium	34.6	0.35	mg/Kg	11/18/13	EK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	11/18/13	EK	SW6010
Chromium	6.90	0.35	mg/Kg	11/18/13	EK	SW6010
Mercury	< 0.08	0.08	mg/Kg	11/18/13	RS	SW-7471
Lead	6.65	0.35	mg/Kg	11/18/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	11/18/13	EK	SW6010
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Soil Extraction SVOA PAH	Completed			11/15/13	BB/FV	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545
Mercury Digestion	Completed			11/18/13	I/I	SW7471
Total Metals Digest	Completed			11/15/13	Z/AG	SW846 - 3050
Field Extraction	Completed			11/15/13		SW5035
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	51	mg/Kg	11/18/13	JRB	CT ETPH/8015
Identification	ND		mg/Kg	11/18/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	85		%	11/18/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	11/16/13	AW	SW 8082

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-06

Phoenix I.D.: BF77274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1254	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	590	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	11/16/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	104		%	11/16/13	AW	30 - 150 %
% TCMX	97		%	11/16/13	AW	30 - 150 %
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	11/16/13	JL/HM	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
2-Hexanone	ND	26	ug/Kg	11/16/13	JL/HM	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	11/16/13	JL/HM	SW8260
Acetone	ND	31	ug/Kg	11/16/13	JL/HM	SW8260
Acrylonitrile	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Benzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromochloromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromoform	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Bromomethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chlorobenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chloroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chloroform	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Chloromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-06

Phoenix I.D.: BF77274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Dibromochloromethane	ND	3.1	ug/Kg	11/16/13	JL/HM	SW8260
Dibromomethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Ethylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
m&p-Xylene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Methyl Ethyl Ketone	ND	31	ug/Kg	11/16/13	JL/HM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	11/16/13	JL/HM	SW8260
Methylene chloride	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Naphthalene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
o-Xylene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Styrene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	11/16/13	JL/HM	SW8260
Toluene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Total Xylenes	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	11/16/13	JL/HM	SW8260
Trichloroethene	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
Vinyl chloride	ND	5.2	ug/Kg	11/16/13	JL/HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	105		%	11/16/13	JL/HM	70 - 130 %
% Bromofluorobenzene	100		%	11/16/13	JL/HM	70 - 130 %
% Dibromofluoromethane	104		%	11/16/13	JL/HM	70 - 130 %
% Toluene-d8	105		%	11/16/13	JL/HM	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Anthracene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Chrysene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Fluoranthene	ND	240	ug/Kg	11/16/13	DD	SW 8270

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-06

Phoenix I.D.: BF77274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Fluorene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Naphthalene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Phenanthrene	ND	240	ug/Kg	11/16/13	DD	SW 8270
Pyrene	ND	240	ug/Kg	11/16/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	89		%	11/16/13	DD	30 - 130 %
% Nitrobenzene-d5	86		%	11/16/13	DD	30 - 130 %
% Terphenyl-d14	85		%	11/16/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	11:10
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77275

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	11/15/13	I	E160.3
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Methyl isobutyl ketone	Pending		ug/Kg			SW8260

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	11:15
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77276

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	11/15/13	I	E160.3
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Methyl isobutyl ketone	Pending		ug/Kg			SW8260

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	11:25
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77277

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	11/15/13	I	E160.3
n-Butyl Alcohol	< 10	10	ug/Kg	11/18/13	JRB	SW8015MOD
Methyl isobutyl ketone	Pending		ug/Kg			SW8260

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	12:50
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77278

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	16000	2600	mg/Kg	11/20/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/20/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	Diluted Out		%	11/20/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	1500	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	330	ug/Kg	11/16/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	109		%	11/16/13	AW	30 - 150 %
% TCMX	91		%	11/16/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-10

Phoenix I.D.: BF77278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	SS	11/15/13	11:05
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77279

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545
TPH by GC (Extractable Products)						
Ext. Petroleum HC	16000	2600	mg/Kg	11/20/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/20/13	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	Diluted Out		%	11/20/13	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	1300	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	11/16/13	AW	SW 8082
QA/QC Surrogates						
% DCBP	104		%	11/16/13	AW	30 - 150 %
% TCMX	96		%	11/16/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-11

Phoenix I.D.: BF77279

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 27, 2013

PHOENIX

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

Draft Progress Report

November 27, 2013

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	SS	11/15/13	13:15
Location Code:	F&O	Received by:	SW	11/15/13	15:55
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A3E				

Laboratory Data

SDG ID: GBF77269
Phoenix ID: BF77280

Project ID: 176 CUMBERLAND AVE
Client ID: 1188131115-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Cadmium	< 0.001	0.001	mg/L	11/18/13	EK	SW6010/E200.7
Zinc	0.010	0.002	mg/L	11/18/13	EK	SW6010/E200.7
Total Metals Digestion	Completed			11/15/13	AG	SW846 - 3050

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 27, 2013

Wednesday, November 27, 2013

Requested Criteria: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBF77269 - FO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF77269	$8260MER	Chloromethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	54	54	ug/Kg
BF77269	$8260MER	Vinyl chloride	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	40	40	ug/Kg
BF77269	$8260MER	Bromomethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	200	200	ug/Kg
BF77269	$8260MER	1,1-Dichloroethene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	140	140	ug/Kg
BF77269	$8260MER	Methylene chloride	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	500	100	100	ug/Kg
BF77269	$8260MER	Acrylonitrile	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	500	10	10	ug/Kg
BF77269	$8260MER	Chloroform	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	120	120	ug/Kg
BF77269	$8260MER	Carbon tetrachloride	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	100	100	ug/Kg
BF77269	$8260MER	Benzene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	20	20	ug/Kg
BF77269	$8260MER	1,2-Dichloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	20	20	ug/Kg
BF77269	$8260MER	Trichloroethene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	100	100	ug/Kg
BF77269	$8260MER	1,2-Dichloropropane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	100	100	ug/Kg
BF77269	$8260MER	Bromodichloromethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	11	11	ug/Kg
BF77269	$8260MER	1,1,2-Trichloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	100	100	ug/Kg
BF77269	$8260MER	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	10	10	ug/Kg
BF77269	$8260MER	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / RES DEC (mg/k	ND	250	7	7	ug/Kg
BF77269	$8260MER	Tetrachloroethene	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	100	100	ug/Kg
BF77269	$8260MER	Dibromochloromethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	10	10	ug/Kg
BF77269	$8260MER	1,1,1,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	20	20	ug/Kg
BF77269	$8260MER	Bromoform	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	80	80	ug/Kg
BF77269	$8260MER	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GA/GAA PMC (	ND	250	10	10	ug/Kg
BF77278	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg)	16000	2600	500	500	mg/Kg
BF77278	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	16000	2600	500	500	mg/Kg
BF77278	$PCB_SMR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1500	330	1000	1000	ug/Kg
BF77279	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg)	16000	2600	500	500	mg/Kg
BF77279	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	16000	2600	500	500	mg/Kg
BF77279	$PCB_SMR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1300	340	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria 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.

FUSS & O'NEILL

☒ 146 Hartford Road, Manchester, CT 06040
☐ 55 Quarry Road, Trumbull, CT 06611
☐ 419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 307 Post Home Way, Suite 204, Providence, RI 02906
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

CHAIN-OF-CUSTODY RECORD 29300

☐ 24-Hour* ☐ 72-Hour* ☐ Other ____ (days)
☐ 48-Hour* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME: 176 Cumberland Ave.
PROJECT LOCATION: Wethersfield, CT
PROJECT NUMBER: 20110979.A3E
LABORATORY: Phoenix

REPORT TO: Marilee Gonzalez, P.O.
INVOICE TO:
P.O. No.:
Sampler's Signature: Stacey Hyde
Date: 11/15/13

Source Codes:
MW=Monitoring Well, PW=Potable Water, T=Treatment Facility, S=Soil, B=Sediment, SW=Surface Water, ST=Stormwater, W=Waste, A=Air, C=Composite

X Other: trip blank

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	VOCs (8260)	PAHs (8270)	CT EPH	PCBs (8082)	RCRA 8 Metals	Cadmium	Mercury	Total Cyanide	Total Lead	Total Chromium	Total Zinc	Soil VOA Vial w/ deionized	Soil VOA Vial w/ water	Glass Soil Container	Other: Glass Soil Container (8oz)	Other	Water VOA Vial	Glass Amber	Plastic - Amber	Plastic - HNO3	Plastic - H2SO4	Plastic - NaOH	Comments
01	X				11881311 15-01	X	11/15/13	0930	X													1								77269
02	X				-02	↓		0935	X													2								77270
03	X				-03	S		1030	X	X	X	X	X		X	X	X	1				2	2	1							77271
04	X				-04	↓		1035	X	X	X	X	X		X	X	X	1				2	2	1							77272
05	X				-05	↓		1040	X	X	X	X	X		X	X	X	1				2	2	1							77273
06	X				-06	↓		1050	X	X	X	X	X		X	X	X	1				2	2	1			77274				no charge
07	X				-07	C		1110							X	X	X	1				2		2							77275
08	X				-08	↓		1115							X	X	X	1				2		2							77276
09	X				-09	↓		1125							X	X	X	1				2		2							77277
10	X				-10	↓		1150			X											2	1								77278
11	X				-11	ST		1205			X																				77279
12	X				-12	↓		1315																							77280

Transfer Number	Relinquished By	Accepted By	Date	Time
1	Stacey Hyde	[illegible]	11/15/13	1555
2				
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other
☒ Duplicate ☒ Blanks (Inst. No.:)

Reporting and Detection Limit Requirements: ☒ RCP Deliverables ☐ MCP CAM Group

QA + Red DEC

Additional Comments:
please hold unfiltered 250 mL plastic

PHOENIX
Environmental Laboratories, Inc.

Waste profile
soils from hazmat
storage area

Monday, June 30, 2014

Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BG64759

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

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
NY # 11301

SDG Comments

June 30, 2014

SDG I.D.: GBG64759

BG64759 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

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

Analysis Report

June 30, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/25/14	7:15
Location Code:	F&OENVIR	Received by:	LK	06/25/14	8:37
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG64759
Phoenix ID: BG64759

Project ID: DISCOVERY ACADEMY
Client ID: 062514-BG-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.46	0.46	mg/Kg	06/26/14	LK	SW6010
Arsenic	3.0	0.9	mg/Kg	06/26/14	LK	SW6010
Barium	120	0.46	mg/Kg	06/26/14	LK	SW6010
Cadmium	0.51	0.46	mg/Kg	06/26/14	LK	SW6010
Chromium	24.4	0.46	mg/Kg	06/26/14	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	06/26/14	RS	SW-7471
Lead	25.6	0.46	mg/Kg	06/26/14	LK	SW6010
Selenium	< 1.8	1.8	mg/Kg	06/26/14	LK	SW6010
TCLP Silver	< 0.010	0.010	mg/L	06/26/14	LK	SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	06/26/14	LK	SW6010
TCLP Barium	0.87	0.01	mg/L	06/26/14	LK	SW6010
TCLP Cadmium	0.009	0.005	mg/L	06/26/14	LK	SW6010
TCLP Chromium	< 0.010	0.010	mg/L	06/26/14	LK	SW6010
TCLP Mercury	< 0.002	0.002	mg/L	06/26/14	RS	SW7470
TCLP Lead	0.019	0.010	mg/L	06/26/14	LK	SW6010
TCLP Selenium	< 0.01	0.01	mg/L	06/26/14	LK	SW6010
TCLP Metals Digestion	Completed			06/26/14	X/X	SW846 - 3005
Percent Solid	72		%	06/25/14	W	E160.3
Conductivity - Soil Matrix	380	5	umhos/cm	06/25/14	TC	SM2510B
Flash Point	>200	200	degree F	06/26/14	Y	SW1010
Ignitability	Passed	140	degree F	06/26/14	Y	SW1030
pH - Soil	10.15	0.10	pH Units	06/25/14 20:15	DH/KDB	4500-H B/9045
Reactivity Cyanide	< 6.5	6.5	mg/Kg	06/26/14	GD	SW 846-7.3
Reactivity Sulfide	< 20	20	mg/Kg	06/26/14	GD	SW846-7.3
Reactivity	Negative		Pos/Neg	06/26/14	GD	SW 846-7.3
Soil Extraction for Pesticide	Completed			06/25/14	JJ/F	SW3545
Soil Extraction SVOA PAH	Completed			06/25/14	JJ/F	SW3545
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545

Project ID: DISCOVERY ACADEMY
Client ID: 062514-BG-01

Phoenix I.D.: BG64759

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			06/26/14	X/X	SW7471
Paint Filter Test	Passed		PASS/FAIL	06/26/14	J	SW9095
Soil Extraction for Herbicide	Completed			06/25/14	P/D	SW8151
Extraction for PCB	Completed			06/25/14	PP/K	SW3540C
TCLP Digestion-Mercury	Completed			06/26/14	X/X	E1311/7470
TCLP Extraction for Metals	Completed			06/25/14	X	EPA 1311
Total Metals Digest	Completed			06/25/14	CB/AG	SW846 - 3050
Field Extraction	Completed			06/25/14		SW5035
Chlorinated Herbicides						
2,4,5-T	ND	0.057	mg/Kg	06/26/14	BB	SW8151
2,4,5-TP (Silvex)	ND	0.057	mg/Kg	06/26/14	BB	SW8151
2,4-D	ND	0.057	mg/Kg	06/26/14	BB	SW8151
2,4-DB	ND	0.57	mg/Kg	06/26/14	BB	SW8151
Dalapon	ND	0.057	mg/Kg	06/26/14	BB	SW8151
Dicamba	ND	0.11	mg/Kg	06/26/14	BB	SW8151
Dichloroprop	ND	0.057	mg/Kg	06/26/14	BB	SW8151
Dinoseb	ND	0.11	mg/Kg	06/26/14	BB	SW8151
QA/QC Surrogates						
% DCAA	54		%	06/26/14	BB	30 - 150 %
TPH by GC (Extractable Products)						
Ext. Petroleum HC	ND	67	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	90		%	06/26/14	JRB	50 - 150 %
PCB (Soxhlet)						
PCB-1016	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1221	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1232	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1242	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1248	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1254	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1260	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1262	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
PCB-1268	ND	0.46	mg/kg	06/26/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	129		%	06/26/14	AW	30 - 150 %
% TCMX	118		%	06/26/14	AW	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
4,4' -DDE	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
4,4' -DDT	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
a-BHC	ND	0.0044	mg/Kg	06/26/14	CE	SW8081
Alachlor	ND	0.0044	mg/Kg	06/26/14	CE	SW8081
Aldrin	ND	0.0014	mg/Kg	06/26/14	CE	SW8081
b-BHC	ND	0.0044	mg/Kg	06/26/14	CE	SW8081
Chlordane	0.034	0.014	mg/Kg	06/26/14	CE	SW8081

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.0044	mg/Kg	06/26/14	CE	SW8081
Dieldrin	ND	0.0018	mg/Kg	06/26/14	CE	SW8081
Endosulfan I	ND	0.0044	mg/Kg	06/26/14	CE	SW8081
Endosulfan II	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
Endosulfan sulfate	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
Endrin	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
Endrin aldehyde	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
Endrin ketone	ND	0.0088	mg/Kg	06/26/14	CE	SW8081
g-BHC	ND	0.0014	mg/Kg	06/26/14	CE	SW8081
Heptachlor	ND	0.0028	mg/Kg	06/26/14	CE	SW8081
Heptachlor epoxide	ND	0.0044	mg/Kg	06/26/14	CE	SW8081
Methoxychlor	ND	0.044	mg/Kg	06/26/14	CE	SW8081
Toxaphene	ND	0.23	mg/Kg	06/26/14	CE	SW8081
QA/QC Surrogates						
% DCBP	73		%	06/26/14	CE	30 - 150 %
% TCMX	62		%	06/26/14	CE	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,1,1-Trichloroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	0.0042	mg/Kg	06/26/14	JLI	SW8260
1,1,2-Trichloroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,1-Dichloroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,1-Dichloroethene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,1-Dichloropropene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2,3-Trichloropropane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2-Dibromoethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2-Dichlorobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2-Dichloroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,2-Dichloropropane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,3-Dichlorobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,3-Dichloropropane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
1,4-Dichlorobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
2,2-Dichloropropane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
2-Chlorotoluene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
2-Hexanone	ND	0.035	mg/Kg	06/26/14	JLI	SW8260
2-Isopropyltoluene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
4-Chlorotoluene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
4-Methyl-2-pentanone	ND	0.035	mg/Kg	06/26/14	JLI	SW8260
Acetone	ND	0.075	mg/Kg	06/26/14	JLI	SW8260
Acrylonitrile	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Benzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Bromobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Bromochloromethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Bromodichloromethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bromoform	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Bromomethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Carbon Disulfide	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Carbon tetrachloride	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Chlorobenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Chloroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Chloroform	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Chloromethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Dibromochloromethane	ND	0.0042	mg/Kg	06/26/14	JLI	SW8260
Dibromomethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Dichlorodifluoromethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Ethylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Hexachlorobutadiene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Isopropylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
m&p-Xylene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Methyl Ethyl Ketone	ND	0.042	mg/Kg	06/26/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	0.014	mg/Kg	06/26/14	JLI	SW8260
Methylene chloride	ND	0.01	mg/Kg	06/26/14	JLI	SW8260
Naphthalene	0.0071	0.007	mg/Kg	06/26/14	JLI	SW8260
n-Butylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
n-Propylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
o-Xylene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
p-Isopropyltoluene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
sec-Butylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Styrene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
tert-Butylbenzene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Tetrachloroethene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	0.014	mg/Kg	06/26/14	JLI	SW8260
Toluene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Total Xylenes	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	0.014	mg/Kg	06/26/14	JLI	SW8260
Trichloroethene	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Trichlorofluoromethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Trichlorotrifluoroethane	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
Vinyl chloride	ND	0.007	mg/Kg	06/26/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	06/26/14	JLI	70 - 130 %
% Bromofluorobenzene	93		%	06/26/14	JLI	70 - 130 %
% Dibromofluoromethane	97		%	06/26/14	JLI	70 - 130 %
% Toluene-d8	101		%	06/26/14	JLI	70 - 130 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Acenaphthene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Acenaphthylene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Anthracene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Benz(a)anthracene	0.42	0.32	mg/Kg	06/26/14	DD	SW 8270
Benzo(a)pyrene	0.38	0.32	mg/Kg	06/26/14	DD	SW 8270
Benzo(b)fluoranthene	0.48	0.32	mg/Kg	06/26/14	DD	SW 8270
Benzo(ghi)perylene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Benzo(k)fluoranthene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Chrysene	0.42	0.32	mg/Kg	06/26/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Fluoranthene	0.64	0.32	mg/Kg	06/26/14	DD	SW 8270
Fluorene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Naphthalene	ND	0.32	mg/Kg	06/26/14	DD	SW 8270
Phenanthrene	0.53	0.32	mg/Kg	06/26/14	DD	SW 8270
Pyrene	0.54	0.32	mg/Kg	06/26/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	66		%	06/26/14	DD	30 - 130 %
% Nitrobenzene-d5	76		%	06/26/14	DD	30 - 130 %
% Terphenyl-d14	73		%	06/26/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was □reported for the pesticide analysis.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 30, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

June 30, 2014

QA/QC Data

SDG I.D.: GBG64759

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277959, QC Sample No: BG63178 (BG64759)												
ICP Metals - Soil												
Arsenic	BRL	1.4	1.46	NC	92.2	91.0	1.3	87.9	88.9	1.1	75 - 125	30
Barium	BRL	11.6	11.9	2.60	99.3	101	1.7	96.1	97.2	1.1	75 - 125	30
Cadmium	BRL	<0.39	<0.39	NC	88.1	86.6	1.7	88.0	88.5	0.6	75 - 125	30
Chromium	BRL	5.65	5.68	0.50	99.2	99.0	0.2	95.6	96.8	1.2	75 - 125	30
Lead	BRL	4.34	4.19	3.50	94.0	99.0	5.2	90.6	91.1	0.6	75 - 125	30
Selenium	BRL	<1.6	<1.6	NC	83.1	84.7	1.9	76.8	78.0	1.6	75 - 125	30
Silver	BRL	<0.39	<0.39	NC	97.0	95.1	2.0	95.5	96.4	0.9	75 - 125	30
QA/QC Batch 278096, QC Sample No: BG64483 (BG64759)												
Mercury - Soil	BRL	0.35	0.65	NC	100	102	2.0	101	105	3.9	70 - 130	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 278097, QC Sample No: BG64963 (BG64759)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	104	99.9	4.0	103	104	1.0	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 278101, QC Sample No: BG64979 (BG64759)												
ICP Metals - TCLP Extraction												
Arsenic	BRL	<0.01	<0.10	NC	106	107	0.9	99.7	98.4	1.3	75 - 125	20
Barium	BRL	0.53	0.64	18.8	101	101	0.0	101	101	0.0	75 - 125	20
Cadmium	BRL	<0.005	<0.050	NC	97.1	98.0	0.9	95.2	93.9	1.4	75 - 125	20
Chromium	BRL	<0.010	<0.10	NC	101	102	1.0	98.6	97.8	0.8	75 - 125	20
Lead	BRL	0.166	0.23	NC	102	103	1.0	98.7	97.9	0.8	75 - 125	20
Selenium	BRL	0.01	<0.10	NC	111	112	0.9	102	101	1.0	75 - 125	20
Silver	BRL	<0.010	<0.10	NC	110	111	0.9	103	102	1.0	75 - 125	20

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QA/QC Report

June 30, 2014

QA/QC Data

SDG I.D.: GBG64759

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 278029, QC Sample No: BG64385 (BG64759)												
Reactivity Cyanide	BRL	<5.5	<5.4	NC	101						85 - 115	30
QA/QC Batch 278093, QC Sample No: BG64863 (BG64759)												
pH - Soil		7.77	7.79	0.30	97.1						85 - 115	20
QA/QC Batch 278083, QC Sample No: BG64966 (BG64759)												
Conductivity - Soil Matrix	BRL	490	480	2.10	104						85 - 115	30
QA/QC Batch 278092, QC Sample No: BG64966 (BG64759)												
Flash Point		>200	>200	NC	100						85 - 115	30

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QA/QC Report

June 30, 2014

QA/QC Data

SDG I.D.: GBG64759

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277919, QC Sample No: BG64111 (BG64759)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	81	84	3.6				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	89	90	1.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	121	117	116	0.9				30 - 150	30
% TCMX (Surrogate Rec)	101	95	97	2.1				30 - 150	30
QA/QC Batch 278034, QC Sample No: BG64765 (BG64759)									
Polynuclear Aromatic HC - Soil									
2-Methylnaphthalene	ND	77	78	1.3	82	83	1.2	30 - 130	30
Acenaphthene	ND	77	79	2.6	87	85	2.3	30 - 130	30
Acenaphthylene	ND	75	78	3.9	84	85	1.2	30 - 130	30
Anthracene	ND	80	86	7.2	95	94	1.1	30 - 130	30
Benz(a)anthracene	ND	81	86	6.0	95	94	1.1	30 - 130	30
Benzo(a)pyrene	ND	75	80	6.5	90	89	1.1	30 - 130	30
Benzo(b)fluoranthene	ND	80	87	8.4	95	98	3.1	30 - 130	30
Benzo(ghi)perylene	ND	82	84	2.4	94	85	10.1	30 - 130	30
Benzo(k)fluoranthene	ND	84	84	0.0	97	94	3.1	30 - 130	30
Chrysene	ND	78	83	6.2	91	87	4.5	30 - 130	30
Dibenz(a,h)anthracene	ND	82	86	4.8	96	88	8.7	30 - 130	30
Fluoranthene	ND	69	76	9.7	91	93	2.2	30 - 130	30
Fluorene	ND	79	82	3.7	89	88	1.1	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	83	86	3.6	96	88	8.7	30 - 130	30
Naphthalene	ND	67	67	0.0	71	73	2.8	30 - 130	30
Phenanthrene	ND	82	87	5.9	95	94	1.1	30 - 130	30
Pyrene	ND	69	76	9.7	90	95	5.4	30 - 130	30
% 2-Fluorobiphenyl	76	76	78	2.6	85	84	1.2	30 - 130	30
% Nitrobenzene-d5	68	67	69	2.9	73	77	5.3	30 - 130	30
% Terphenyl-d14	76	73	79	7.9	94	97	3.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 278060, QC Sample No: BG64917 (BG64759)									
TPH by GC (Extractable Products) - Soil									
Ext. Petroleum HC	ND	70	69	1.4	75	69	8.3	60 - 120	30
% n-Pentacosane	78	75	78	3.9	83	76	8.8	50 - 150	30

QA/QC Data

SDG I.D.: GBG64759

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 278056, QC Sample No: BG64928 (BG64759)										
Chlorinated Herbicides - Soil										
2,4,5-T	ND	68	66	3.0	54	55	1.8	40 - 140	30	
2,4,5-TP (Silvex)	ND	71	69	2.9	58	61	5.0	40 - 140	30	
2,4-D	ND	42	40	4.9	41	40	2.5	40 - 140	30	
2,4-DB	ND	73	72	1.4	66	70	5.9	40 - 140	30	
Dalapon	ND	54	61	12.2	47	50	6.2	40 - 140	30	
Dicamba	ND	75	75	0.0	66	71	7.3	40 - 140	30	
Dichloroprop	ND	65	64	1.6	56	60	6.9	40 - 140	30	
Dinoseb	ND	69	67	2.9	68	71	4.3	40 - 140	30	
% DCAA (Surrogate Rec)	67	59	63	6.6	57	61	6.8	30 - 150	30	
QA/QC Batch 278236, QC Sample No: BG64966 (BG64759)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	100	104	3.9	106	102	3.8	70 - 130	30	
1,1,1-Trichloroethane	ND	95	99	4.1	109	104	4.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	103	3.0	93	90	3.3	70 - 130	30	
1,1,2-Trichloroethane	ND	98	99	1.0	102	99	3.0	70 - 130	30	
1,1-Dichloroethane	ND	86	89	3.4	107	94	12.9	70 - 130	30	
1,1-Dichloroethene	ND	95	98	3.1	108	101	6.7	70 - 130	30	
1,1-Dichloropropene	ND	94	97	3.1	105	100	4.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	85	89	4.6	94	87	7.7	70 - 130	30	
1,2,3-Trichloropropane	ND	97	98	1.0	92	84	9.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	79	82	3.7	91	85	6.8	70 - 130	30	
1,2,4-Trimethylbenzene	ND	88	92	4.4	95	89	6.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	99	101	2.0	90	81	10.5	70 - 130	30	
1,2-Dibromoethane	ND	100	101	1.0	101	97	4.0	70 - 130	30	
1,2-Dichlorobenzene	ND	91	95	4.3	94	88	6.6	70 - 130	30	
1,2-Dichloroethane	ND	97	100	3.0	103	98	5.0	70 - 130	30	
1,2-Dichloropropane	ND	97	100	3.0	104	100	3.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	98	4.2	95	88	7.7	70 - 130	30	
1,3-Dichlorobenzene	ND	88	93	5.5	94	88	6.6	70 - 130	30	
1,3-Dichloropropane	ND	99	100	1.0	104	101	2.9	70 - 130	30	
1,4-Dichlorobenzene	ND	87	90	3.4	94	88	6.6	70 - 130	30	
2,2-Dichloropropane	ND	91	93	2.2	103	97	6.0	70 - 130	30	
2-Chlorotoluene	ND	93	97	4.2	95	89	6.5	70 - 130	30	
2-Hexanone	ND	84	85	1.2	84	82	2.4	70 - 130	30	
2-Isopropyltoluene	ND	95	100	5.1	96	88	8.7	70 - 130	30	
4-Chlorotoluene	ND	89	92	3.3	94	88	6.6	70 - 130	30	
4-Methyl-2-pentanone	ND	95	95	0.0	96	96	0.0	70 - 130	30	
Acetone	ND	62	67	7.8	66	65	1.5	70 - 130	30	l,m
Acrylonitrile	ND	92	92	0.0	96	92	4.3	70 - 130	30	
Benzene	ND	95	99	4.1	102	97	5.0	70 - 130	30	
Bromobenzene	ND	94	99	5.2	95	89	6.5	70 - 130	30	
Bromochloromethane	ND	98	101	3.0	106	99	6.8	70 - 130	30	
Bromodichloromethane	ND	102	104	1.9	104	100	3.9	70 - 130	30	
Bromoform	ND	100	103	3.0	100	98	2.0	70 - 130	30	
Bromomethane	ND	98	104	5.9	105	98	6.9	70 - 130	30	
Carbon Disulfide	ND	98	103	5.0	100	95	5.1	70 - 130	30	
Carbon tetrachloride	ND	96	100	4.1	106	103	2.9	70 - 130	30	
Chlorobenzene	ND	93	95	2.1	100	95	5.1	70 - 130	30	
Chloroethane	ND	93	98	5.2	109	99	9.6	70 - 130	30	
Chloroform	ND	96	99	3.1	106	100	5.8	70 - 130	30	

QA/QC Data

SDG I.D.: GBG64759

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloromethane	ND	86	91	5.6	96	89	7.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	96	99	3.1	106	98	7.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	99	101	2.0	99	94	5.2	70 - 130	30	
Dibromochloromethane	ND	102	106	3.8	104	101	2.9	70 - 130	30	
Dibromomethane	ND	97	99	2.0	101	97	4.0	70 - 130	30	
Dichlorodifluoromethane	ND	82	88	7.1	90	85	5.7	70 - 130	30	
Ethylbenzene	ND	96	99	3.1	102	97	5.0	70 - 130	30	
Hexachlorobutadiene	ND	93	97	4.2	95	87	8.8	70 - 130	30	
Isopropylbenzene	ND	94	98	4.2	97	89	8.6	70 - 130	30	
m&p-Xylene	ND	92	95	3.2	95	84	12.3	70 - 130	30	
Methyl ethyl ketone	ND	77	78	1.3	80	79	1.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	102	103	1.0	105	100	4.9	70 - 130	30	
Methylene chloride	ND	86	90	4.5	95	89	6.5	70 - 130	30	
Naphthalene	ND	94	97	3.1	96	89	7.6	70 - 130	30	
n-Butylbenzene	ND	87	91	4.5	95	88	7.7	70 - 130	30	
n-Propylbenzene	ND	88	92	4.4	97	89	8.6	70 - 130	30	
o-Xylene	ND	95	96	1.0	100	99	1.0	70 - 130	30	
p-Isopropyltoluene	ND	92	95	3.2	96	89	7.6	70 - 130	30	
sec-Butylbenzene	ND	96	101	5.1	97	89	8.6	70 - 130	30	
Styrene	ND	94	98	4.2	90	78	14.3	70 - 130	30	
tert-Butylbenzene	ND	95	100	5.1	97	89	8.6	70 - 130	30	
Tetrachloroethene	ND	91	94	3.2	106	102	3.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	99	98	1.0	104	104	0.0	70 - 130	30	
Toluene	ND	95	98	3.1	101	96	5.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	95	97	2.1	105	98	6.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	100	103	3.0	96	91	5.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	99	2.0	90	81	10.5	70 - 130	30	
Trichloroethene	ND	98	102	4.0	115	110	4.4	70 - 130	30	
Trichlorofluoromethane	ND	97	101	4.0	110	103	6.6	70 - 130	30	
Trichlorotrifluoroethane	ND	98	101	3.0	109	105	3.7	70 - 130	30	
Vinyl chloride	ND	91	93	2.2	102	96	6.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	101	1.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	99	100	100	0.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	95	101	99	2.0	102	98	4.0	70 - 130	30	
% Toluene-d8	103	100	100	0.0	99	99	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 278044, QC Sample No: BG65039 (BG64759)

Pesticides - Soil

4,4' -DDD	ND	88	91	3.4	107	97	9.8	40 - 140	30	
4,4' -DDE	ND	80	84	4.9	NC	NC	NC	40 - 140	30	
4,4' -DDT	ND	83	87	4.7	NC	NC	NC	40 - 140	30	
a-BHC	ND	83	85	2.4	90	87	3.4	40 - 140	30	
a-Chlordane	ND	88	91	3.4	102	99	3.0	40 - 140	30	
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	87	89	2.3	101	98	3.0	40 - 140	30	
b-BHC	ND	88	90	2.2	90	95	5.4	40 - 140	30	
Chlordane	ND	82	86	4.8	107	103	3.8	40 - 140	30	
d-BHC	ND	80	82	2.5	159	153	3.8	40 - 140	30	m
Dieldrin	ND	87	93	6.7	NC	NC	NC	40 - 140	30	
Endosulfan I	ND	73	75	2.7	76	79	3.9	40 - 140	30	
Endosulfan II	ND	58	55	5.3	122	159	26.3	40 - 140	30	m

QA/QC Data

SDG I.D.: GBG64759

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endosulfan sulfate	ND	75	79	5.2	123	174	34.3	40 - 140	30	m,r
Endrin	ND	92	95	3.2	179	183	2.2	40 - 140	30	m
Endrin aldehyde	ND	59	67	12.7	94	91	3.2	40 - 140	30	
Endrin ketone	ND	87	90	3.4	78	73	6.6	40 - 140	30	
g-BHC	ND	87	91	4.5	>200	>200	NC	40 - 140	30	m
g-Chlordane	ND	82	86	4.8	107	103	3.8	40 - 140	30	
Heptachlor	ND	84	86	2.4	126	124	1.6	40 - 140	30	
Heptachlor epoxide	ND	89	94	5.5	102	96	6.1	40 - 140	30	
Methoxychlor	ND	92	93	1.1	102	74	31.8	40 - 140	30	r
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	101	105	106	0.9	130	117	10.5	30 - 150	30	
% TCMX	91	93	93	0.0	96	94	2.1	30 - 150	30	

Comment:

In the MS and MSD, NC (no criteria) is reported for some compounds due to the presence of pesticides in the unspiked sample.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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

Phyllis Shiller, Laboratory Director
June 30, 2014

Monday, June 30, 2014

Criteria: CT: GAM, GWP, RC

State: CT

Sample Criteria Exceedences Report

GBG64759 - FOENVIR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG64759	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.009	0.005	0.005	0.005	mg/L
BG64759	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.019	0.010	0.015	0.015	mg/L

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BG64759

Sampling Date(s): 6/25/2014

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☑ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☐ Yes ☑ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: PEST Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, June 30, 2014

Printed Name: Ethan Lee

Position: Project Manager

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RCP Certification Report

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SDG I.D.: GBG64759

BG64759 - The client requested a short list of analytes from the 6010 RCP Metals list. Only Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, and Silver are reported as requested on the chain-of-custody.

BG64759 - The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

The samples were received by the laboratory less than two hours after collection at a temperature of 19 degrees C with cooling initiated. No significant bias is suspected.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-xl2 06/26/14-1 (BG64759)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 6/26/2014

QC (Batch Specific)

---------- Sample No: BG64917, QA/QC Batch: 278060 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Herbicide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd12 06/26/14-1 (BG64759)

Initial Calibration ECD12 -061614
The initial calibration RSD for the compound list was less than 20% except for the following compounds: none

Printed Name Brian B
Position: Chemist
Date: 6/26/2014

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SDG I.D.: GBG64759

QC (Batch Specific)

---------- Sample No: BG64928, QA/QC Batch: 278056 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 06/26/14-1 (BG64759)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 6/26/2014

QC (Batch Specific)

---------- Sample No: BG64483, QA/QC Batch: 278096 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG64963, QA/QC Batch: 278097 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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SDG I.D.: GBG64759

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 06/25/14-1 (BG64759)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 6/25/2014

Instrument: Arcos 06/26/14-1 (BG64759)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 6/26/2014

QC (Batch Specific)

---------- Sample No: BG63178, QA/QC Batch: 277959 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG64979, QA/QC Batch: 278101 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem05 06/25/14-1 (BG64759)

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Initial Calibration Verification (CHEM05/BN_0619):
95% of target compounds met criteria.
The following compounds had %RSDs >20%: Fluoranthene (21%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM05/0625_05-BN_0619):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 6/25/2014

QC (Batch Specific)

---------- Sample No: BG64765, QA/QC Batch: 278034 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd8 06/26/14-1 (BG64759)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/26/2014

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QC (Batch Specific)

---------- Sample No: BG64111, QA/QC Batch: 277919 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 278044 (Sample: BG64759) ----

The MS and/or MSD recoveries are above the method criteria for d-BHC, Endosulfan II, Endosulfan sulfate, Endrin, and g-BHC. The QC sample is not a project sample and these analytes were not reported in the samples, therefore no significant bias is suspected.

The MS/MSD RPD exceeds the method criteria for Endosulfan sulfate and Methoxychlor. These analytes were not reported in the samples, therefore no sample variability is suspected.

QC Comments: QC Batch 278044 06/25/14 (BG64759)

In the MS and MSD, NC (no criteria) is reported for some compounds due to the presence of pesticides in the unspiked sample.

QC (Batch Specific)

---------- Sample No: BG65039, QA/QC Batch: 278044 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 278236 (Sample: BG64759): -----

The QC recoveries are below the method criteria for Acetone. A slight low bias is likely.

Instrument: Chem03 06/25/14-1 (BG64759)

Initial Calibration Verification (CHEM03/RCPS_0623#1):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (27%), Bromoform (24%), Methylene Chloride (23%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/0625L03-RCPS_0623#1):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following

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compounds did not meet % deviation criteria: Acetone (32%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 6/25/2014

Instrument: Chem03 06/25/14-2 (BG64759)

Initial Calibration Verification (CHEM03/RCPS_0623#1):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (27%), Bromoform (24%), Methylene Chloride (23%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/0625L35-RCPS_0623#1):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: Dichlorodifluoromethane (43%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 6/25/2014

QC (Batch Specific)

---------- Sample No: BG64966, QA/QC Batch: 278236 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone(62%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(67%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 19C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

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SDG I.D.: GBG64759

19.0°C w/CIP.

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CHAIN-OF-CUSTODY RECORD 1459

☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Discovery Academy	176 Cumberland Ave Wethersfield, CT	20110979.A20	Phoenix

REPORT TO: Murilee Gonzalez / Kathleen Pane
INVOICE TO: Sarah Owens
P.O. NO.: 20110979.A2E
Sampler's Signature: [signature] Date: 6/25/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request

Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	EPA 8270/PAH's							Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					062514-BG-01	S	6/25/14	0715	✓	✓			64759						1									5-pt composite

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	62514	8:37
2				
3				
4				

Reporting and Detection Limit Requirements: GA/Res DEC Criteria, GAPMC

Additional Comments: Water/Soil Excavated From Hazmat Storage Area Pit to Support Sampling of Hazmat Storage Area

GBG 64759

Shannon - Phoenixlabs

From: Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]
Sent: Wednesday, June 25, 2014 05:24 PM
To: 'Shannon - Phoenixlabs'
Subject: FW: Additional analyses request

Can you help me?

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

From: Kathleen Pane [mailto:KPane@fando.com]
Sent: Wednesday, June 25, 2014 5:13 PM
To: Bobbi - Phoenixlabs (bobbi@phoenixlabs.com)
Subject: Additional analyses request

Hi Bobbi! Hope all is well. Wanted to request additional analyses on samples that are already at your facility:

1. Bruce Gregoire just brought in sample 062514-BG-01. Please also analyze for ETPH, TCLP and Total RCRA 8 metals, VOCs (8270), Total Pesticides and Herbicides, Conductivity, Paint Filter, Ignitability, pH, reactivity
2. SDG ID: GBG60811/Phoenix ID: BG60811-Sample IDs: 061814-BG-1A, 2A, 3A and 4A, please analyze for PAHs (EPA 8270)
3. SDG ID: GBG59052/Phoenix ID: BG59054. Sample IDs: 061314BG-1A, 4A, 7A and 10A please analyze further for ETPH.

Kathleen Pane
Project Manager
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5585 | kpane@fando.com | fax: 860.649.6883 | cell: 860.510.9290
www.fando.com | twitter | facebook | linkedin

Fuss and O'Neill

This e-mail message and any files transmitted with it are the exclusive intellectual property of Fuss & O'Neill. This message and any attached files may be privileged and confidential. If you have received this message in error, please delete this e-mail and attached files and immediately notify Fuss & O'Neill by sending a reply e-mail to the sender of this message. Thank you.

Hgmat Storage

PHOENIX
Environmental Laboratories, Inc.

Monday, July 07, 2014

Attn: Mrs. Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BG66720 - BG66723

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	AZ	06/30/14	12:30
Location Code:	F&O-PCB	Received by:	LB	06/30/14	15:09
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG66720
Phoenix ID: BG66720

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WA

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	07/02/14	AW	30 - 150 %
% TCMX	88		%	07/02/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WA

Phoenix I.D.: BG66720

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 07, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	AZ	06/30/14	12:40
Location Code:	F&O-PCB	Received by:	LB	06/30/14	15:09
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG66720
Phoenix ID: BG66721

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WB

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	07/01/14	AW	30 - 150 %
% TCMX	108		%	07/01/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WB

Phoenix I.D.: BG66721

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 07, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	AZ	06/30/14	12:50
Location Code:	F&O-PCB	Received by:	LB	06/30/14	15:09
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG66720
Phoenix ID: BG66722

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WC

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1221	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1232	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1242	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1248	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1254	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1260	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1262	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1268	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	07/01/14	AW	30 - 150 %
% TCMX	104		%	07/01/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WC

Phoenix I.D.: BG66722

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 07, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	AZ	06/30/14	13:00
Location Code:	F&O-PCB	Received by:	LB	06/30/14	15:09
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG66720
Phoenix ID: BG66723

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WD

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/01/14	AW	30 - 150 %
% TCMX	95		%	07/01/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 063014-BG-5WD

Phoenix I.D.: BG66723

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 07, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

July 07, 2014

QA/QC Data

SDG I.D.: GBG66720

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 278339, QC Sample No: BG66270 (BG66720, BG66721, BG66722, BG66723)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	90	92	2.2	93	91	2.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	81	83	2.4	87	87	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	104	106	1.9	108	106	1.9	30 - 150	30
% TCMX (Surrogate Rec)	107	106	111	4.6	108	106	1.9	30 - 150	30

Comment:

66720 appears to have double surrogate.

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
July 07, 2014

Monday, July 07, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBG66720 - FO-PCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BG66720, BG66721, BG66722, BG66723

Sampling Date(s): 6/30/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, July 07, 2014

Printed Name: Ethan Lee

Position: 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 NY # 11301

RCP Certification Report

July 07, 2014

SDG I.D.: GBG66720

The samples were received by the laboratory less than four hours after collection at a temperature of 21 degrees C with cooling initiated. No significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd5 07/01/14-1 (BG66720, BG66721, BG66722, BG66723)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/1/2014

Instrument: Au-ecd5 07/02/14-1 (BG66720)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/2/2014

QC Comments: QC Batch 278339 06/27/14 (BG66720, BG66721, BG66722, BG66723)

66720 appears to have double surrogate.

QC (Batch Specific)

---------- Sample No: BG66270, QA/QC Batch: 278339 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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
NY # 11301

RCP Certification Report

July 07, 2014

SDG I.D.: GBG66720

Temperature Narration

The samples were received at 21C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

210 Icepack

FUSS & O'NEILL ENVIROSCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1462

☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Discovery Academy
PROJECT LOCATION: 176 Cumberland Ave Wethersfield, CT
PROJECT NUMBER: 20110979.A20
LABORATORY: Phoenix

REPORT TO: Marilee Gonzalez/Kathleen Pane
INVOICE TO: Sarah Owens
P.O. NO.: 20110979.A20
Sampler's Signature: [signature] Date: 6-30-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082 SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] HCl; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082 SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] HCl	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					063014-BG-5WA	S	6/30/14	1230	✓			1				660720					0-4" depth
2					-5WB	S	|	1240	✓			1				660721					No Charge
3					-5WC	S	|	1250	✓			1				660722					4-8" depth
4					-5WD	S	|	1300	✓			1				660723					No Charge

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Judith W Kelly	6/30/14	15:09
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Additional samples collected at 0-4" and 4-8" from 1.5m grid west of sample Area Five.

Former Hazmat Storage - EPA
0 - 4"

PHOENIX
Environmental Laboratories, Inc.

Monday, June 23, 2014

Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Project ID: 176 Cumberland Ave Wethersifield
Sample ID#s: BG60811 - BG60821

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	9:10
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60811

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-1A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	63		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	06/19/14	AW	30 - 150 %
% TCMX	91		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield

Client ID: 061814-BG-1A

Phoenix I.D.: BG60811

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director

June 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	9:50
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60812

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-2A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/19/14	AW	30 - 150 %
% TCMX	99		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-2A

Phoenix I.D.: BG60812

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	10:15
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60813

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-3A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	59		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.84	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	06/19/14	AW	30 - 150 %
% TCMX	100		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-3A

Phoenix I.D.: BG60813

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	11:05
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60814

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-4A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	06/19/14	AW	30 - 150 %
% TCMX	106		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-4A

Phoenix I.D.: BG60814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	7:20
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: gbg60811
Phoenix ID: BG60815

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-5A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	06/19/14	AW	30 - 150 %
% TCMX	100		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-5A

Phoenix I.D.: BG60815

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Pyrene	ND	260	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	83		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	79		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	76		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	7:40
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60816

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-6A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/19/14	AW	30 - 150 %
% TCMX	100		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	270	250	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	300	250	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-6A

Phoenix I.D.: BG60816

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	260	250	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	540	250	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	250	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	400	250	ug/Kg	06/19/14	DD	SW 8270
Pyrene	460	250	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	88		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	91		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	103		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	11:45
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60817

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-7A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	91		%	06/19/14	AW	30 - 150 %
% TCMX	97		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	300	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-7A

Phoenix I.D.: BG60817

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	ND	300	ug/Kg	06/19/14	DD	SW 8270
Pyrene	ND	300	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	75		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	84		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	98		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	12:10
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60818

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-8A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/19/14	AW	30 - 150 %
% TCMX	119		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	270	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-8A

Phoenix I.D.: BG60818

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	480	260	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	260	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	350	260	ug/Kg	06/19/14	DD	SW 8270
Pyrene	440	260	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	79		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	86		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	103		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	8:05
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60819

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-9A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	86		%	06/19/14	AW	30 - 150 %
% TCMX	97		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	280	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-9A

Phoenix I.D.: BG60819

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Pyrene	ND	280	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	92		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	82		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	102		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	8:05
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60820

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-10A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/19/14	AW	30 - 150 %
% TCMX	97		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-10A

Phoenix I.D.: BG60820

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Pyrene	ND	270	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	98		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	88		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	104		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

DUPLICATE INCLUDED

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	8:35
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:00
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG60811
Phoenix ID: BG60821

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-11A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/19/14	AW	30 - 150 %
% TCMX	96		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	410	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	350	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	500	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-11A

Phoenix I.D.: BG60821

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	420	270	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	840	270	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	270	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	600	270	ug/Kg	06/19/14	DD	SW 8270
Pyrene	700	270	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	95		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	88		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	98		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

June 23, 2014

QA/QC Data

SDG I.D.: GBG60811

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 277272, QC Sample No: BG60538 (BG60815, BG60816, BG60817, BG60818, BG60819, BG60820, BG60821)										
Polynuclear Aromatic HC - Soil										
2-Methylnaphthalene	ND	82	77	6.3	85	83	2.4	30 - 130	30	
Acenaphthene	ND	84	77	8.7	88	85	3.5	30 - 130	30	
Acenaphthylene	ND	83	77	7.5	88	84	4.7	30 - 130	30	
Anthracene	ND	85	78	8.6	91	86	5.6	30 - 130	30	
Benz(a)anthracene	ND	89	82	8.2	95	92	3.2	30 - 130	30	
Benzo(a)pyrene	ND	84	76	10.0	89	86	3.4	30 - 130	30	
Benzo(b)fluoranthene	ND	90	88	2.2	100	94	6.2	30 - 130	30	
Benzo(ghi)perylene	ND	86	78	9.8	89	83	7.0	30 - 130	30	
Benzo(k)fluoranthene	ND	96	83	14.5	101	100	1.0	30 - 130	30	
Chrysene	ND	86	80	7.2	91	89	2.2	30 - 130	30	
Dibenz(a,h)anthracene	ND	85	78	8.6	89	82	8.2	30 - 130	30	
Fluoranthene	ND	98	84	15.4	114	95	18.2	30 - 130	30	
Fluorene	ND	85	78	8.6	91	87	4.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	86	79	8.5	90	83	8.1	30 - 130	30	
Naphthalene	ND	80	76	5.1	83	80	3.7	30 - 130	30	
Phenanthrene	ND	87	80	8.4	92	88	4.4	30 - 130	30	
Pyrene	ND	104	87	17.8	122	99	20.8	30 - 130	30	
% 2-Fluorobiphenyl	77	83	77	7.5	87	84	3.5	30 - 130	30	
% Nitrobenzene-d5	63	68	66	3.0	73	71	2.8	30 - 130	30	
% Terphenyl-d14	91	114	93	20.3	133	105	23.5	30 - 130	30	m

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 277380, QC Sample No: BG60709 (BG60811, BG60812, BG60813, BG60814, BG60815, BG60816, BG60817, BG60818, BG60819, BG60820, BG60821)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	93	88	5.5	89	110	21.1	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	93	91	2.2	83	95	13.5	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	103	99	102	3.0	89	100	11.6	30 - 150	30	
% TCMX (Surrogate Rec)	104	102	97	5.0	77	100	26.0	30 - 150	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.

QA/QC Data

SDG I.D.: GBG60811

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

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

Phyllis Shiller, Laboratory Director
June 23, 2014

Monday, June 23, 2014

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBG60811 - FO-PCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: 061814-BG-1A **Project Number:**

Laboratory Sample ID(s): BG60811, BG60812, BG60813, BG60814, BG60815, BG60816, BG60817, BG60818, BG60819, BG60820, BG60821

Sampling Date(s): 6/18/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☑ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PAH Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, June 23, 2014

Printed Name: Ethan Lee

Position: 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 NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG60811

BG60815, BG60816, BG60817, BG60818, BG60819, BG60820, BG60821 - The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

The samples were received by the laboratory at a temperature of 20 degrees C with cooling initiated. A low bias is possible.

PAH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 277272 (Samples: BG60815, BG60816, BG60817, BG60818, BG60819, BG60820, BG60821) ----

The MS recovery is above the method criteria for the surrogate %Terphenyl-d14. The QC sample is not a project sample, therefore no significant bias is suspected.

Instrument: Chem19 06/19/14-1 (BG60816, BG60817, BG60818, BG60819, BG60820, BG60821)

Initial Calibration Verification (CHEM19/BN_0609):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM19/0619_02-BN_0609):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 6/19/2014

QC (Batch Specific)

---------- Sample No: BG60538, QA/QC Batch: 277272 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd24 06/19/14-1 (BG60814, BG60815, BG60816)

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RCP Certification Report

June 23, 2014

SDG I.D.: GBG60811

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd3 06/19/14-1 (BG60820, BG60821)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd48 06/19/14-1 (BG60817, BG60818, BG60819)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd6 06/19/14-1 (BG60811, BG60812, BG60813)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

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RCP Certification Report

June 23, 2014

SDG I.D.: GBG60811

QC (Batch Specific)

---------- Sample No: BG60709, QA/QC Batch: 277380 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem06 06/18/14-2 (BG60815)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM06/SV_0610):
94% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol (32%), 2-Nitroaniline (23%), 3-Nitroaniline (33%), Benzidine (27%), Carbazole (36%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM06/0618_20-SV_0610):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 3,3'-dichlorobenzidine (31%)[30%], Benzidine (84%)[30%]
The following compounds did not meet maximum % deviations: Benzidine (84%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.062)[0.1], Hexachlorobenzene (.082)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 6/18/2014

QC (Batch Specific)

---------- Sample No: BG60538, QA/QC Batch: 277272 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 20C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

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ACCREDITED IN ACCORDANCE WITH
NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG60811

20°w/ice

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- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1451

☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A20	Phoenix

Report To: Murilee Gonzalez / Kathleen Pung
Invoice To: Sarah Owens
P.O. No.: 20110979.A20
Sampler's Signature: [signature] Date: 6/18/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	EPA 8270/PAH's	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					061814-BG -1A	S	6/18/14	0910	✓				1									60811
2					-2A	S		0950	✓				1									60812
3					-3A	S		1015 ~~0950~~	✓				1									60813
4					-4A	S		1105 ~~0950~~	✓				1									60814
5					-5A	S		0720	✓	✓			1									60815
6					-6A	S		0740	✓	✓			1									60816
7					-7A	S		1145	✓	✓			1									60817
8					-8A	S		1210	✓	✓			1									60818
9					-9A	S		0805	✓	✓			1									60819
10					-10A	S		0805	✓	✓			1								60820	No Charge

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/18/14	15:00
2				
3				
4				

Reporting and Detection Limit Requirements: GA/RES DEC Criteria, GAPMC

Additional Comments: Sample Depth 0-4"
Former hazmat storage (KP)

20 own
1R

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- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1450

- ☑ 1 Day*
- ☐ 2 Days*
- ☐ 3 Days*
- ☐ Standard (____ days)
- ☐ Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave Wethersfield, CT	20110979.A20	Phoenix

Report To: Murilec Gonzulez/Kathleen Pane

Invoice To: Sarah Owens

P.O. No.: 20110979.A20

Sampler's Signature: [signature] Date: 6/18/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	EPA 8270/PAH's	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) mL [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					061814-BG-11A	S	6/18/14	0835	✓	✓			1									60821

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/18/14	15:00
2				
3				
4				

Reporting and Detection Limit Requirements: GA/Res DEC criteria, GAPMC

Additional Comments: Sample Depth 0-4"
Former hazmat storage

Hazmat storage
AOE Cr related
4-8"

PHOENIX
Environmental Laboratories, Inc.

Monday, June 23, 2014

Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Project ID: 176 Cumberland Ave Wethersifield
Sample ID#s: BG61005 - BG61014

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	9:10
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61005

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-1B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/19/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/19/14	AW	30 - 150 %
% TCMX	100		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-1B

Phoenix I.D.: BG61005

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	9:59
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61006

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-2B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	70		%	06/18/14	I	E160.3
MS/MSD Ext. For PCB	Completed			06/19/14		
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.47	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/19/14	AW	30 - 150 %
% TCMX	90		%	06/19/14	AW	30 - 150 %
QC for PCB	Completed			06/19/14	AW	

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-2B

Phoenix I.D.: BG61006

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	10:30
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61007

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-5B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	76		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	06/19/14	AW	30 - 150 %
% TCMX	90		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-5B

Phoenix I.D.: BG61007

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	11:15
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61008

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-6B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	06/19/14	AW	30 - 150 %
% TCMX	91		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-6B

Phoenix I.D.: BG61008

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	7:25
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61009

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-7B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/19/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	1	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/19/14	AW	30 - 150 %
% TCMX	95		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-7B

Phoenix I.D.: BG61009

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	7:42
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61010

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-8B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	06/19/14	AW	30 - 150 %
% TCMX	94		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-8B

Phoenix I.D.: BG61010

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	11:55
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61011

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-9B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	06/19/14	AW	30 - 150 %
% TCMX	96		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-9B

Phoenix I.D.: BG61011

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	12:10
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61012

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-10B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	06/19/14	AW	30 - 150 %
% TCMX	101		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-10B

Phoenix I.D.: BG61012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	8:05
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61013

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-11B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	06/19/14	AW	30 - 150 %
% TCMX	97		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-11B

Phoenix I.D.: BG61013

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 23, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		06/18/14	8:42
Location Code:	F&O-PCB	Received by:	SW	06/18/14	15:07
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61005
Phoenix ID: BG61014

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-12B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/18/14	I	E160.3
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	86		%	06/19/14	AW	30 - 150 %
% TCMX	91		%	06/19/14	AW	30 - 150 %

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-12B

Phoenix I.D.: BG61014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

June 23, 2014

QA/QC Data

SDG I.D.: GBG61005

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277380, QC Sample No: BG60709 (BG61005)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	88	5.5	89	110	21.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	91	2.2	83	95	13.5	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	103	99	102	3.0	89	100	11.6	30 - 150	30
% TCMX (Surrogate Rec)	104	102	97	5.0	77	100	26.0	30 - 150	30
QA/QC Batch 277402, QC Sample No: BG61006 (BG61006, BG61007, BG61008, BG61009, BG61010, BG61011, BG61012, BG61013, BG61014)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	83	89	7.0	70	80	13.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	86	92	6.7	88	95	7.7	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	98	103	5.0	85	92	7.9	30 - 150	30
% TCMX (Surrogate Rec)	90	96	97	1.0	81	94	14.9	30 - 150	30

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

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

Phyllis Shiller, Laboratory Director
June 23, 2014

Monday, June 23, 2014

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBG61005 - FO-PCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: 061814-BG-1B **Project Number:**

Laboratory Sample ID(s): BG61005, BG61006, BG61007, BG61008, BG61009, BG61010, BG61011, BG61012, BG61013, BG61014

Sampling Date(s): 6/18/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, June 23, 2014

Printed Name: Ethan Lee

Position: 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 NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG61005

The samples were received by the laboratory at a temperature of 20 degrees C with cooling initiated. No significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd3 06/19/14-1 (BG61005, BG61006, BG61007, BG61008, BG61009)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd48 06/19/14-1 (BG61012, BG61013, BG61014)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd5 06/19/14-1 (BG61006)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd6 06/19/14-1 (BG61006, BG61009, BG61010, BG61011)

8082 Narration:

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG61005

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd6 06/20/14-1 (BG61006)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/20/2014

Instrument: Au-ecd8 06/19/14-1 (BG61005)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG61005

QC (Site Specific)

---------- Sample No: BG61006, QA/QC Batch: 277402 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG60709, QA/QC Batch: 277380 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 20C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

20 0006 1V

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(860) 646-2469 • www.FandO.com

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- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1452

☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave Wethersfield, CT	20110979.A20	Phoenix

Report To: Murilee Gonzalez / Kathleen Pune
Invoice To: Sarah Owens
P.O. No.: 20110979.A20
Sampler's Signature: [signature] Date: 6/18/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (8) oz; Glass Soil Container ( ) oz; Other: [ ] $Na(SO)_2$; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other: [ ] $Na(SO)_2$	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					061814-B6-1B	S	6/18/14	0910	✓			1				61005					
2					-2B	S		0959	✓			1				61006					matrix spike
3					-3B	S		0959	✓			1				~~61007~~					matrix spike Dup
4					-4B	S		0959	✓			1				~~61008~~					
5					-5B	S		1030	✓			1				61009					
6					-6B	S		1115	✓			1				61008					
7					-7B	S		0725	✓			1				61009					
8					-8B	S		0742	✓			1				61010					
9					-9B	S		1155	✓			1				61011					
10					-10B	S		1210	✓			1				61012					

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/18/14	15:07
2				
3				
4				

Reporting and Detection Limit Requirements: ~~GA Res/DE~~ GA/Res DEC Criteria, GAPMC

Additional Comments: Sample depth 4-8"

20 OWK 11

FUSS & O'NEILL ENVIROSCIENCE, LLC
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☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1458

☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A20	Phoenix

REPORT TO: Murilee Gonzalez/Kathleen Pune
INVOICE TO: Sarah Owens
P.O. NO.: 20110979.A20
Sampler's Signature: [signature] Date: 6/18/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container (8) oz; Glass Soil Container ( ) oz; Other:; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET								Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					061814-BG-11B	S	6/18/14	0805	✓			6	10	13					1									~~61015~~
12					-12B	S	6/18/14	0842	✓			6	10	14					1									~~61016~~

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/18/14	15:07
2				
3				
4				

Reporting and Detection Limit Requirements: GA/Res DEC Criteria, GAPMC

Additional Comments: Sample Depth 4-8"

Sarah - Phoenixlabs

From: Marilee Gonzalez [MGonzalez@fando.com]
Sent: Friday, June 20, 2014 8:32 AM
To: Sarah - Phoenixlabs
Subject: RE: Question

Please charge to Fuss & O'Neill Inc. – A20

Thank you!

Marilee Gonzalez
Senior Environmental Analyst
Fuss & O'Neill, Inc | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5350 | mgonzalez@fando.com | cell: 860.989.7861
www.fando.com | twitter | facebook | linkedin

From: Sarah - Phoenixlabs [mailto:sarah@phoenixlabs.com]
Sent: Thursday, June 19, 2014 10:52 AM
To: Marilee Gonzalez
Subject: Question

Marilee quick question for you this job has been coming in under Enviro Science and I see Kathleen and Sarah's name also on the chain our rule to follow over here is if the project# ends in E we log it under Enviroscience automatically and we have it all set up as to who get the invoice and reports.. I noticed there is NO E HELP ☺ Can we log it in under Enviroscience?

Hydrostorage
AOEC related
12-18"

PHOENIX
Environmental Laboratories, Inc.

Monday, June 23, 2014

Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Project ID: 176 Cumberland Ave Wethersifield
Sample ID#s: BG61017 - BG61021

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	9:25
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:08
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61017
Phoenix ID: BG61017

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-1C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	06/19/14	AW	30 - 150 %
% TCMX	99		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	740	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	620	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	840	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	430	280	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	280	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-1C

Phoenix I.D.: BG61017

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	750	280	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	1600	280	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	330	280	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	280	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	860	280	ug/Kg	06/19/14	DD	SW 8270
Pyrene	1900	280	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	76		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	76		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	123		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	10:10
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:08
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61017
Phoenix ID: BG61018

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-2C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	67		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	06/19/14	AW	30 - 150 %
% TCMX	100		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	480	340	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	370	340	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	470	340	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	340	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-2C

Phoenix I.D.: BG61018

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	430	340	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	1100	340	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	340	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	670	340	ug/Kg	06/19/14	DD	SW 8270
Pyrene	980	340	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	66		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	63		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	113		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	10:45
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:08
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61017
Phoenix ID: BG61019

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-3C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	06/19/14	AW	30 - 150 %
% TCMX	101		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	430	310	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	350	310	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	470	310	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	310	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-3C

Phoenix I.D.: BG61019

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	400	310	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	970	310	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	310	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	620	310	ug/Kg	06/19/14	DD	SW 8270
Pyrene	870	310	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	77		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	111		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	10:45
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:08
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61017
Phoenix ID: BG61020

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-4C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	72		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/18/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.46	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	06/19/14	AW	30 - 150 %
% TCMX	102		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-4C

Phoenix I.D.: BG61020

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	510	320	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	ND	320	ug/Kg	06/19/14	DD	SW 8270
Pyrene	430	320	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	59		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	71		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	98		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

June 23, 2014

FOR: Attn: Ms. Marilee Gonzalez
Fuss & O'Neill, Inc.
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/18/14	11:25
Location Code:	F&O-PCB	Received by:	LB	06/18/14	15:08
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A20				

Laboratory Data

SDG ID: GBG61017
Phoenix ID: BG61021

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-5C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	06/18/14	I	E160.3
Soil Extraction SVOA PAH	Completed			06/18/14	BJ/FV	SW3545
Extraction for PCB	Completed			06/19/14	PP/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	06/19/14	AW	30 - 150 %
% TCMX	104		%	06/19/14	AW	30 - 150 %
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Acenaphthene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Acenaphthylene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Anthracene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Benz(a)anthracene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Benzo(a)pyrene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	06/19/14	DD	SW 8270

Project ID: 176 Cumberland Ave Wethersifield
Client ID: 061814-BG-5C

Phoenix I.D.: BG61021

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Chrysene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Fluoranthene	440	290	ug/Kg	06/19/14	DD	SW 8270
Fluorene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Naphthalene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Phenanthrene	ND	290	ug/Kg	06/19/14	DD	SW 8270
Pyrene	380	290	ug/Kg	06/19/14	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	64		%	06/19/14	DD	30 - 130 %
% Nitrobenzene-d5	67		%	06/19/14	DD	30 - 130 %
% Terphenyl-d14	118		%	06/19/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 23, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

June 23, 2014

QA/QC Data

SDG I.D.: GBG61017

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 277272, QC Sample No: BG60538 (BG61017, BG61018, BG61019, BG61020, BG61021)										
Polynuclear Aromatic HC - Soil										
2-Methylnaphthalene	ND	82	77	6.3	85	83	2.4	30 - 130	30	
Acenaphthene	ND	84	77	8.7	88	85	3.5	30 - 130	30	
Acenaphthylene	ND	83	77	7.5	88	84	4.7	30 - 130	30	
Anthracene	ND	85	78	8.6	91	86	5.6	30 - 130	30	
Benz(a)anthracene	ND	89	82	8.2	95	92	3.2	30 - 130	30	
Benzo(a)pyrene	ND	84	76	10.0	89	86	3.4	30 - 130	30	
Benzo(b)fluoranthene	ND	90	88	2.2	100	94	6.2	30 - 130	30	
Benzo(ghi)perylene	ND	86	78	9.8	89	83	7.0	30 - 130	30	
Benzo(k)fluoranthene	ND	96	83	14.5	101	100	1.0	30 - 130	30	
Chrysene	ND	86	80	7.2	91	89	2.2	30 - 130	30	
Dibenz(a,h)anthracene	ND	85	78	8.6	89	82	8.2	30 - 130	30	
Fluoranthene	ND	98	84	15.4	114	95	18.2	30 - 130	30	
Fluorene	ND	85	78	8.6	91	87	4.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	86	79	8.5	90	83	8.1	30 - 130	30	
Naphthalene	ND	80	76	5.1	83	80	3.7	30 - 130	30	
Phenanthrene	ND	87	80	8.4	92	88	4.4	30 - 130	30	
Pyrene	ND	104	87	17.8	122	99	20.8	30 - 130	30	
% 2-Fluorobiphenyl	77	83	77	7.5	87	84	3.5	30 - 130	30	
% Nitrobenzene-d5	63	68	66	3.0	73	71	2.8	30 - 130	30	
% Terphenyl-d14	91	114	93	20.3	133	105	23.5	30 - 130	30	m

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 277380, QC Sample No: BG60709 (BG61017, BG61018, BG61019, BG61020, BG61021)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	93	88	5.5	89	110	21.1	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	93	91	2.2	83	95	13.5	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	103	99	102	3.0	89	100	11.6	30 - 150	30	
% TCMX (Surrogate Rec)	104	102	97	5.0	77	100	26.0	30 - 150	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.

QA/QC Data

SDG I.D.: GBG61017

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

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

Phyllis Shiller, Laboratory Director
June 23, 2014

Monday, June 23, 2014

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedences Report

GBG61017 - FO-PCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: 061814-BG-1C **Project Number:**

Laboratory Sample ID(s): BG61017, BG61018, BG61019, BG61020, BG61021

Sampling Date(s): 6/18/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☑ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: SVOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, June 23, 2014

Printed Name: Ethan Lee

Position: 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 NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG61017

BG61017, BG61018, BG61019, BG61020, BG61021 - The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

The samples were received by the laboratory at a temperature of 20 degrees C with cooling initiated.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd3 06/19/14-1 (BG61021)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd5 06/19/14-1 (BG61017, BG61018, BG61019)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

Instrument: Au-ecd8 06/19/14-1 (BG61020, BG61021)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 6/19/2014

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 NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG61017

QC (Batch Specific)

---------- Sample No: BG60709, QA/QC Batch: 277380 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 277272 (Samples: BG61017, BG61018, BG61019, BG61020, BG61021) ----

The MS recovery is above the method criteria for the surrogate %Terphenyl-d14. The QC sample is not a project sample, therefore no significant bias is suspected.

Instrument: Chem06 06/19/14-1 (BG61017, BG61018, BG61019, BG61020, BG61021)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM06/SV_0610):
94% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol (32%), 2-Nitroaniline (23%), 3-Nitroaniline (33%), Benzidine (27%), Carbazole (36%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM06/0619_02-SV_0610):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 3,3'-dichlorobenzidine (46%)[30%], Benzidine (89%)[30%]
The following compounds did not meet maximum % deviations: 3,3'-dichlorobenzidine (46%)[40%], Benzidine (89%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.060)[0.1], Hexachlorobenzene (.081)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 6/19/2014

QC (Batch Specific)

---------- Sample No: BG60538, QA/QC Batch: 277272 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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
NY # 11301

RCP Certification Report

June 23, 2014

SDG I.D.: GBG61017

Temperature Narration

The samples in this delivery group were received at 20°C.
(Note acceptance criteria is above freezing up to 6°C)

20 ONLY IP

FUSS & O'NEILL ENVIROSCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1454

☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Discovery Academy
PROJECT LOCATION: 176 Cumberland Ave, Wethersfield, CT
PROJECT NUMBER: 20110979.A20
LABORATORY: Phoenix

REPORT TO: Murilee Gonzalez / Kathleen Pane
INVOICE TO: Sarah Owens
P.O. NO.: 20110979.A20
Sampler's Signature: [signature] Date: 6/18/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET; EPA 8270/PAH's

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container (8) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	EPA 8270/PAH's	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					061814-BG- -1C	S	6/18/14	0925	✓	✓			1									61017
2					-2C	S		1010	✓	✓			1									61018
3					-3C	S		1045	✓	✓			1									61019
4					-4C	S		1045	✓	✓			1						6	1020		No Charge
5					-5C	S		1125	✓	✓			1									61021

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	6/18/14	15:08
2				
3				
4				

Reporting and Detection Limit Requirements: GA/Res DEC Criteria, GAPMC

Additional Comments: Sample depth 12-18"

Sarah - Phoenixlabs

From: Marilee Gonzalez [MGonzalez@fando.com]
Sent: Friday, June 20, 2014 8:32 AM
To: Sarah - Phoenixlabs
Subject: RE: Question

Please charge to Fuss & O'Neill Inc. – A20

Thank you!

Marilee Gonzalez
Senior Environmental Analyst
Fuss & O'Neill, Inc | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5350 | mgonzalez@fando.com | cell: 860.989.7861
www.fando.com | twitter | facebook | linkedin

From: Sarah - Phoenixlabs [mailto:sarah@phoenixlabs.com]
Sent: Thursday, June 19, 2014 10:52 AM
To: Marilee Gonzalez
Subject: Question

Marilee quick question for you this job has been coming in under Enviro Science and I see Kathleen and Sarah's name also on the chain our rule to follow over here is if the project# ends in E we log it under Enviroscience automatically and we have it all set up as to who get the invoice and reports.. I noticed there is NO E HELP ☺ Can we log it in under Enviroscience?

Appendix D

6) Former Maintenance Garage Area Soil Verification Sampling Results

A) 3 Meter Soil Verification Sampling Results

✓ 10x10 slab
PCB
12-18"

PHOENIX
Environmental Laboratories, Inc.

Soils under garage slab

Tuesday, July 08, 2014

Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BG67442 - BG67517

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67442

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	134		%	07/03/14	AW	30 - 150 %
% TCMX	113		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A1

Phoenix I.D.: BG67442

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67443

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	113		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A2

Phoenix I.D.: BG67443

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67444

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	2.1	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	1.7	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	07/03/14	AW	30 - 150 %
% TCMX	Diluted Out		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A3

Phoenix I.D.: BG67444

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67445

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.61	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/03/14	AW	30 - 150 %
% TCMX	102		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A4

Phoenix I.D.: BG67445

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67446

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	07/03/14	AW	30 - 150 %
% TCMX	100		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A5

Phoenix I.D.: BG67446

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67447

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	07/03/14	AW	30 - 150 %
% TCMX	94		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-A6

Phoenix I.D.: BG67447

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67448

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/03/14	AW	30 - 150 %
% TCMX	102		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B1

Phoenix I.D.: BG67448

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67449

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	113		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B2

Phoenix I.D.: BG67449

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67450

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/03/14	AW	30 - 150 %
% TCMX	90		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B3

Phoenix I.D.: BG67450

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67451

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/G/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	1	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/03/14	AW	30 - 150 %
% TCMX	91		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B4

Phoenix I.D.: BG67451

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67452

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/06/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	07/06/14	AW	30 - 150 %
% TCMX	104		%	07/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B5

Phoenix I.D.: BG67452

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67453

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/03/14	AW	30 - 150 %
% TCMX	101		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-B6

Phoenix I.D.: BG67453

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67454

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/03/14	AW	30 - 150 %
% TCMX	92		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C1

Phoenix I.D.: BG67454

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67455

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	07/03/14	AW	30 - 150 %
% TCMX	94		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C2

Phoenix I.D.: BG67455

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67456

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	07/03/14	AW	30 - 150 %
% TCMX	95		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C3

Phoenix I.D.: BG67456

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67457

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/03/14	AW	30 - 150 %
% TCMX	112		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C4

Phoenix I.D.: BG67457

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67458

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	1.2	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	112		%	07/03/14	AW	30 - 150 %
% TCMX	104		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C5

Phoenix I.D.: BG67458

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67459

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	07/03/14	AW	30 - 150 %
% TCMX	104		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-C6

Phoenix I.D.: BG67459

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67460

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	119		%	07/05/14	AW	30 - 150 %
% TCMX	111		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D1

Phoenix I.D.: BG67460

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67461

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	93		%	07/03/14	AW	30 - 150 %
% TCMX	91		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D2

Phoenix I.D.: BG67461

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67462

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D2A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.62	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/03/14	AW	30 - 150 %
% TCMX	112		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D2A

Phoenix I.D.: BG67462

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014

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Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67463

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	113		%	07/03/14	AW	30 - 150 %
% TCMX	105		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D3

Phoenix I.D.: BG67463

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67464

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.76	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D4

Phoenix I.D.: BG67464

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67465

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	07/03/14	AW	30 - 150 %
% TCMX	92		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D5

Phoenix I.D.: BG67465

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67466

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.93	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	91		%	07/03/14	AW	30 - 150 %
% TCMX	87		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-D6

Phoenix I.D.: BG67466

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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July 08, 2014

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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67467

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	07/03/14	AW	30 - 150 %
% TCMX	90		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E1

Phoenix I.D.: BG67467

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67468

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	07/03/14	AW	30 - 150 %
% TCMX	105		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E2

Phoenix I.D.: BG67468

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

July 08, 2014

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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67469

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	117		%	07/03/14	AW	30 - 150 %
% TCMX	90		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E3

Phoenix I.D.: BG67469

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67470

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	1.1	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	113		%	07/03/14	AW	30 - 150 %
% TCMX	93		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E4

Phoenix I.D.: BG67470

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67471

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	0.98	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.82	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	64		%	07/05/14	AW	30 - 150 %
% TCMX	55		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E5

Phoenix I.D.: BG67471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67472

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.34	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	07/03/14	AW	30 - 150 %
% TCMX	80		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-E6

Phoenix I.D.: BG67472

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67473

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	07/03/14	AW	30 - 150 %
% TCMX	86		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F1

Phoenix I.D.: BG67473

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67474

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	115		%	07/03/14	AW	30 - 150 %
% TCMX	94		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F2

Phoenix I.D.: BG67474

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67475

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.37	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	116		%	07/03/14	AW	30 - 150 %
% TCMX	90		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F3

Phoenix I.D.: BG67475

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67476

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.95	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/03/14	AW	30 - 150 %
% TCMX	88		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F4

Phoenix I.D.: BG67476

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67477

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.96	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	111		%	07/03/14	AW	30 - 150 %
% TCMX	88		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F5

Phoenix I.D.: BG67477

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67478

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	122		%	07/03/14	AW	30 - 150 %
% TCMX	90		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-F6

Phoenix I.D.: BG67478

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67479

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	117		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G1

Phoenix I.D.: BG67479

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67480

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G2

Phoenix I.D.: BG67480

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67481

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.7	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	07/03/14	AW	30 - 150 %
% TCMX	88		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G3

Phoenix I.D.: BG67481

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

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145 Hartford Road
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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67482

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/03/14	AW	30 - 150 %
% TCMX	90		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G4

Phoenix I.D.: BG67482

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67483

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G4A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	114		%	07/03/14	AW	30 - 150 %
% TCMX	94		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-G4A

Phoenix I.D.: BG67483

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67484

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	125		%	07/03/14	AW	30 - 150 %
% TCMX	103		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H1

Phoenix I.D.: BG67484

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67485

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	119		%	07/03/14	AW	30 - 150 %
% TCMX	96		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H2

Phoenix I.D.: BG67485

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67486

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	120		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H3

Phoenix I.D.: BG67486

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67487

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/03/14	AW	30 - 150 %
% TCMX	98		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-H4

Phoenix I.D.: BG67487

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67488

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/03/14	AW	30 - 150 %
% TCMX	103		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I1

Phoenix I.D.: BG67488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67489

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	07/03/14	AW	30 - 150 %
% TCMX	84		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I2

Phoenix I.D.: BG67489

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67490

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.54	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	108		%	07/03/14	AW	30 - 150 %
% TCMX	105		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I3

Phoenix I.D.: BG67490

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

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Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67491

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	0.37	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/03/14	AW	30 - 150 %
% TCMX	100		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I4

Phoenix I.D.: BG67491

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014

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Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67492

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	109		%	07/03/14	AW	30 - 150 %
% TCMX	88		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-I5

Phoenix I.D.: BG67492

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67493

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/02/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	07/03/14	AW	30 - 150 %
% TCMX	86		%	07/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J1

Phoenix I.D.: BG67493

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67494

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	116		%	07/05/14	AW	30 - 150 %
% TCMX	87		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J2

Phoenix I.D.: BG67494

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67495

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	0.35	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	126		%	07/05/14	AW	30 - 150 %
% TCMX	92		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J3

Phoenix I.D.: BG67495

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67496

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	1.4	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	122		%	07/05/14	AW	30 - 150 %
% TCMX	92		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J4

Phoenix I.D.: BG67496

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67497

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	116		%	07/05/14	AW	30 - 150 %
% TCMX	87		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J5

Phoenix I.D.: BG67497

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67498

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	122		%	07/05/14	AW	30 - 150 %
% TCMX	96		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-J6

Phoenix I.D.: BG67498

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67499

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	124		%	07/05/14	AW	30 - 150 %
% TCMX	93		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K1

Phoenix I.D.: BG67499

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67500

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	PP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	0.45	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	127		%	07/05/14	AW	30 - 150 %
% TCMX	91		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K2

Phoenix I.D.: BG67500

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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

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July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67501

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	1.1	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	116		%	07/05/14	AW	30 - 150 %
% TCMX	86		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K3

Phoenix I.D.: BG67501

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67502

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	0.85	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	123		%	07/05/14	AW	30 - 150 %
% TCMX	87		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K4

Phoenix I.D.: BG67502

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67503

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	115		%	07/05/14	AW	30 - 150 %
% TCMX	85		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K5

Phoenix I.D.: BG67503

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67504

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K5A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	124		%	07/05/14	AW	30 - 150 %
% TCMX	89		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K5A

Phoenix I.D.: BG67504

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67505

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	129		%	07/05/14	AW	30 - 150 %
% TCMX	90		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-K6

Phoenix I.D.: BG67505

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67506

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	126		%	07/05/14	AW	30 - 150 %
% TCMX	87		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L1

Phoenix I.D.: BG67506

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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

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July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67507

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/05/14	AW	30 - 150 %
% TCMX	81		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L2

Phoenix I.D.: BG67507

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67508

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/05/14	TT/WG	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1221	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1232	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1242	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1248	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1254	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1260	2.2	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1262	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
PCB-1268	ND	0.97	mg/kg	07/06/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	134		%	07/06/14	AW	30 - 150 %
% TCMX	109		%	07/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L3

Phoenix I.D.: BG67508

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67509

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	1.4	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	130		%	07/05/14	AW	30 - 150 %
% TCMX	90		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L4

Phoenix I.D.: BG67509

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67510

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	120		%	07/05/14	AW	30 - 150 %
% TCMX	97		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L5

Phoenix I.D.: BG67510

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67511

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/05/14	AW	30 - 150 %
% TCMX	89		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-L6

Phoenix I.D.: BG67511

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67512

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	07/05/14	AW	30 - 150 %
% TCMX	94		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M1

Phoenix I.D.: BG67512

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67513

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	0.35	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	105		%	07/05/14	AW	30 - 150 %
% TCMX	90		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M2

Phoenix I.D.: BG67513

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67514

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	1.2	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	118		%	07/05/14	AW	30 - 150 %
% TCMX	99		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M3

Phoenix I.D.: BG67514

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67515

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	2.6	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	121		%	07/05/14	AW	30 - 150 %
% TCMX	102		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M4

Phoenix I.D.: BG67515

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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July 08, 2014
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Analysis Report

July 08, 2014

FOR: Attn: Ms Marilee Gonzalez
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67516

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	1.2	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	127		%	07/05/14	AW	30 - 150 %
% TCMX	82		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M5

Phoenix I.D.: BG67516

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		07/01/14	0:00
Location Code:	F&OENVIRPCB	Received by:	SW	07/01/14	15:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBG67442
Phoenix ID: BG67517

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	07/01/14	I	E160.3
Extraction for PCB	Completed			07/03/14	QP/X/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1254	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1260	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	07/05/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	124		%	07/05/14	AW	30 - 150 %
% TCMX	91		%	07/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 070114-BG-M6

Phoenix I.D.: BG67517

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 08, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

July 08, 2014

QA/QC Data

SDG I.D.: GBG67442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 278729, QC Sample No: BG67270 (BG67442, BG67443, BG67444, BG67445, BG67446, BG67447, BG67448, BG67449, BG67450, BG67451)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	87	90	3.4				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	80	84	4.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	101	100	103	3.0				30 - 150	30
% TCMX (Surrogate Rec)	98	98	101	3.0				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 278741, QC Sample No: BG67452 (BG67452, BG67453, BG67454, BG67455, BG67456, BG67457, BG67458, BG67459, BG67460, BG67461, BG67462, BG67463, BG67464, BG67465, BG67466, BG67467, BG67468, BG67469, BG67470, BG67471)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	91	86	5.6				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	87	82	5.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	109	108	101	6.7				30 - 150	30
% TCMX (Surrogate Rec)	104	101	96	5.1				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 278748, QC Sample No: BG67472 (BG67472, BG67473, BG67474, BG67475, BG67476, BG67477, BG67478, BG67479, BG67480, BG67481, BG67482, BG67483, BG67484, BG67485, BG67486, BG67487, BG67488, BG67489, BG67490, BG67491)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	82	84	2.4				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBG67442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1260	ND	87	90	3.4				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	123	119	121	1.7				30 - 150	30
% TCMX (Surrogate Rec)	98	96	98	2.1				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 278878, QC Sample No: BG67525 (BG67501, BG67502, BG67503, BG67504, BG67505, BG67506, BG67507, BG67509, BG67510, BG67511, BG67512, BG67513, BG67514, BG67515, BG67516, BG67517)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	70			90	90	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	79			94	95	1.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	110	93			116	111	4.4	30 - 150	30
% TCMX (Surrogate Rec)	99	86			106	100	5.8	30 - 150	30

QA/QC Batch 278877, QC Sample No: BG68629 (BG67494, BG67495, BG67496, BG67497, BG67498, BG67499, BG67500)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	76	86	12.3	85	90	5.7	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	93	11.4	88	88	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	110	100	110	9.5	112	114	1.8	30 - 150	30
% TCMX (Surrogate Rec)	94	86	93	7.8	83	88	5.8	30 - 150	30

QA/QC Batch 278762, QC Sample No: BG68711 (BG67492, BG67493)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	84	83	1.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	89	90	1.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	119	107	112	4.6				30 - 150	30
% TCMX (Surrogate Rec)	95	98	96	2.1				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GBG67442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 278906, QC Sample No: BG69300 (BG67508)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	93	96	3.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	107	109	1.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	119	125	127	1.6				30 - 150	30
% TCMX (Surrogate Rec)	106	110	114	3.6				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

Phyllis Shiller, Laboratory Director
July 08, 2014

Tuesday, July 08, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBG67442 - FOENVIRPCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BG67442, BG67443, BG67444, BG67445, BG67446, BG67447, BG67448, BG67449, BG67450, BG67451, BG67452, BG67453, BG67454, BG67455, BG67456, BG67457, BG67458, BG67459, BG67460, BG67461, BG67462, BG67463, BG67464, BG67465, BG67466, BG67467, BG67468, BG67469, BG67470, BG67471, BG67472, BG67473, BG67474, BG67475, BG67476, BG67477, BG67478, BG67479, BG67480, BG67481, BG67482, BG67483, BG67484, BG67485, BG67486, BG67487, BG67488, BG67489, BG67490, BG67491, BG67492, BG67493, BG67494, BG67495, BG67496, BG67497, BG67498, BG67499, BG67500, BG67501, BG67502, BG67503, BG67504, BG67505, BG67506, BG67507, BG67508, BG67509, BG67510, BG67511, BG67512, BG67513, BG67514, BG67515, BG67516, BG67517

Sampling Date(s): 7/1/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, July 08, 2014

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

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 NY # 11301

RCP Certification Report

July 08, 2014

SDG I.D.: GBG67442

The samples were received by the laboratory at a temperature of 9 degrees C with cooling initiated. No significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 07/03/14-1 (BG67465, BG67466, BG67467, BG67469, BG67470, BG67472, BG67473, BG67474, BG67489, BG67493)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/3/2014

Instrument: Au-ecd1 07/05/14-1 (BG67494, BG67495, BG67496, BG67497, BG67498, BG67499, BG67500, BG67501, BG67502, BG67503, BG67504, BG67505, BG67506, BG67507, BG67509, BG67516, BG67517)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/5/2014

Instrument: Au-ecd24 07/03/14-1 (BG67461, BG67488, BG67490, BG67491)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/3/2014

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Tel. (860) 645-1102 Fax (860) 645-0823

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RCP Certification Report

July 08, 2014

SDG I.D.: GBG67442

Instrument: Au-ecd3 07/05/14-1 (BG67460)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/5/2014

Instrument: Au-ecd5 07/03/14-1 (BG67452, BG67453, BG67454, BG67455, BG67456, BG67457, BG67458, BG67459, BG67462, BG67463, BG67464, BG67468)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/3/2014

Instrument: Au-ecd6 07/03/14-1 (BG67472, BG67475, BG67476, BG67477, BG67478, BG67479, BG67480, BG67481, BG67482, BG67483, BG67484, BG67485, BG67486, BG67487, BG67492)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 7/3/2014

Instrument: Au-ecd8 07/03/14-1 (BG67442, BG67443, BG67444, BG67445, BG67446, BG67447, BG67448, BG67449, BG67450, BG67451)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

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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 NY # 11301

RCP Certification Report

July 08, 2014

SDG I.D.: GBG67442

Printed Name	Adam Werner
Position:	Chemist
Date:	7/3/2014

QC Comments: QC Batch 278729 07/02/14 (BG67442, BG67443, BG67444, BG67445, BG67446, BG67447, BG67448, BG67449, BG67450, BG67451)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 278741 07/02/14 (BG67452, BG67453, BG67454, BG67455, BG67456, BG67457, BG67458, BG67459, BG67460, BG67461, BG67462, BG67463, BG67464, BG67465, BG67466, BG67467, BG67468, BG67469, BG67470, BG67471)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 278748 07/02/14 (BG67472, BG67473, BG67474, BG67475, BG67476, BG67477, BG67478, BG67479, BG67480, BG67481, BG67482, BG67483, BG67484, BG67485, BG67486, BG67487, BG67488, BG67489, BG67490, BG67491)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 278762 07/02/14 (BG67492, BG67493)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 278906 07/03/14 (BG67508)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

July 08, 2014

SDG I.D.: GBG67442

QC (Site Specific)

---------- Sample No: BG67452, QA/QC Batch: 278741 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG67472, QA/QC Batch: 278748 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BG67270, QA/QC Batch: 278729 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG67525, QA/QC Batch: 278878 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

---------- Sample No: BG68629, QA/QC Batch: 278877 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG68711, QA/QC Batch: 278762 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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
NY # 11301

RCP Certification Report

July 08, 2014

SDG I.D.: GBG67442

---------- Sample No: BG69300, QA/QC Batch: 278906 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 9°C.
(Note acceptance criteria is above freezing up to 6°C)

9°W/C+IP

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- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1474

☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Discovery Academy
PROJECT LOCATION: 176 Cumberland Ave, Wethersfield, CT
PROJECT NUMBER: 20110979.AZE
LABORATORY: Phoenix

REPORT TO: Murilee Gonzalez/Kathleen Pune
INVOICE TO: Sarah Owens
P.O. No.: 20110979.AZE
Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; [ ] $Na(SO_4)_2$; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	[ ] $Na(SO_4)_2$	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
71					070114-BG-M1	S	7-1-14		✓				1									67512
72					-M2	↓	↓		✓				1									67513
73					-M3	↓	↓		✓				1									67514
74					-M4	↓	↓		✓				1									67515
75					-M5	↓	↓		✓				1									67516
76					-M6	↓	↓		✓				1									67517

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Cparadose	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Garage Area 0-4" Depth

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- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

9 W/C+IP

CHAIN-OF-CUSTODY RECORD 1473

- ☐ 1 Day*
- ☐ 2 Days*
- ☑ 3 Days*
- ☐ Standard (____ days)
- ☐ Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy, 176 Cumberland Ave	Wethersfield, CT	20110979.A2E	Phoenix

Report To: Muriler Gonzalez / Kathleen Pane
Invoice To: Sarah Owens
P.O. No.: 20110979. A2E
Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	[ ] $Na(SO_4)_2$	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
61					070114-B6-K4	S	7-1-14		✓				1									67502
62					-K5				✓				1									67503
63					-K5A				✓				1									67504
64					-K6				✓				1									67505
65					-L1				✓				1									67506
66					-L2				✓				1									67507
67					-L3				✓				1									67508
68					-L4				✓				1									67509
69					-L5				✓				1									67510
70					-L6				✓				1									67511

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Burnye Area 0-4" Depth

9°W/C+IP

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CHAIN-OF-CUSTODY RECORD 1472

☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave Wethersfield, CT	20110979.A2E	Phoenix

Report To: Muriler Gonzalez / Kathleen Paine
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Glass Soil Container (4) oz	Comments
51					070114-BG-I5	S	7-1-14		✓	1	67492
52					-J1				✓	1	67493
53					-J2				✓	1	67494
54					-J3				✓	1	67495
55					-J4				✓	1	67496
56					-J5				✓	1	67497
57					-J6				✓	1	67498
58					-K1				✓	1	67499
59					-K2				✓	1	67500
60					-K3				✓	1	67501

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Garage Area 0-4" Depth

9 w/ C + IP

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- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1471

☐ 1 Day* ☑ 5 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME: Discovery Academy
PROJECT LOCATION: 176 Cumberland Ave Wethersfield, CT
PROJECT NUMBER: 20110979.A2E
LABORATORY: Phoenix

REPORT TO: Murilee Gonzalez/Kathleen Pane
INVOICE TO: Sarah Owens
P.O. NO.: 20110979.A2E
Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
41					070114-BG-G4	S	07/01/14		✓			1									67482
42					-G4A				✓			1									67483
43					-H1				✓			1									67484
44					H2				✓			1									67485
45					H3				✓			1									67486
46					H4				✓			1									67487
47					I1				✓			1									67488
48					I2				✓			1									67489
49					I3				✓			1									67490
50					I4				✓			1									67491

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Garage Area 0-4" Depth

9 w/c+IP

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- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1470

- ☐ 1 Day*
- ☐ 2 Days*
- ☑ 3 Days*
- ☐ Standard (____ days)
- ☐ Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Murilee Gonzalez / Kathleen Pane

Invoice To: Sarah Owens

P.O. No.: 20110979.A2E

Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other _____

Analysis Request: EPA 9082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container [ ] $Na(SO_4)_2$; Glass Soil Container (4) oz; Other: ( ) oz; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 9082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container [ ] $Na(SO_4)_2$	Glass Soil Container (4) oz	Other: ( ) oz	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
31					070114-B6-E6	S	7/1/14		✓				1								67472
32					-F1	↓	↓		✓				1								67473
33					-F2				✓				1								67474
34					-F3				✓				1								67475
35					-F4				✓				1								67476
36					-F5				✓				1								67477
37					-F6				✓				1								67478
38					-G1				✓				1								67479
39					-G2				✓				1								67480
40					-G3	↓	↓		✓				1								67481

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Cavadisc	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Grunge Area 0-4" Depth

9°w/C+DP

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CHAIN-OF-CUSTODY RECORD 1466

☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield CT	20110979.A2E	Phoenix

Report To: Murilee Gonzalez / Kathleen Pane
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - As is, [ ] 250 ml [ ] 500 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - As is, [ ] 250 ml [ ] 500 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
21					070114-BG-D2A				✓			1									67462
22					-D3				✓			1									67463
23					-D4				✓			1									67464
24					-D5				✓			1									67465
25					-D6				✓			1									67466
26					-E1				✓			1									67467
27					-E2				✓			1									67468
28					-E3				✓			1									67469
29					-E4				✓			1									67470
30					-E5 ~~E6~~				✓			1									67471

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Claudise	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Orange Area 0-4" Depth.

9" w/c+IP

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- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1465

☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Acudemy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Murilee Gonzulez / Kathleen Pane
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; [ ] $Na(SO_4)_2$; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other; Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - $NaOH$, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	[ ] $Na(SO_4)_2$	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - $NaOH$, 250 ml	Comments
11					070114-B6-B5	S	7/1/14		✓				1									67452
12					-B6	↓	↓		✓				1									67453
13					-C1				✓				1									67454
14					-C2				✓				1									67455
15					-C3				✓				1									67456
16					-C4				✓				1									67457
17					-C5				✓				1									67458
18					-C6				✓				1									67459
19					-D1				✓				1									67460
20					-D2				✓				1									67461

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Gurnye Area 0-4" Depth

9"w/c HP

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CHAIN-OF-CUSTODY RECORD 1464

- ☐ 1 Day*
- ☐ 2 Days*
- ☑ 3 Days*
- ☐ Standard (____ days)
- ☐ Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave Wethersfield, CT	20110979.A2E	Phoenix

Report To: Marilee Gonzalez / Kathleen Pane

Invoice To: Sarah Owens

P.O. No.: 20110979.A2E

Sampler's Signature: [signature] Date: 7/1/14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other _____

Analysis Request: EPA 8082/SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Glass Soil Container (4) oz	Comments
1					070114-BG -A1	S	7/1/14		✓	1	67442
2					-A2				✓	1	67443
3					-A3				✓	1	67444
4					-A4				✓	1	67445
5					-A5				✓	1	67446
6					-A6				✓	1	67447
7					-B1				✓	1	67448
8					-B2				✓	1	67449
9					-B3				✓	1	67450
10					-B4				✓	1	67451

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Cavadise	7/1/14	1511
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Garage Area 0-4" Depth

B) 1.5 Meter Soil Verification Sampling Results

PHOENIX
Environmental Laboratories, Inc.

Soil

Tuesday, November 18, 2014

Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BH39705

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

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
NY # 11301

SDG Comments

November 18, 2014

SDG I.D.: GBH39705

BH39705 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

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

Analysis Report

November 18, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	8:20
Location Code:	F&OENVIR	Received by:	SW	11/12/14	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBH39705
Phoenix ID: BH39705

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	11/13/14	LK	SW6010
Arsenic	2.1	0.7	mg/Kg	11/13/14	LK	SW6010
Barium	107	0.36	mg/Kg	11/13/14	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	11/13/14	LK	SW6010
Chromium	20.9	0.36	mg/Kg	11/13/14	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	11/14/14	RS	SW-7471
Lead	13.7	0.36	mg/Kg	11/13/14	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	11/13/14	LK	SW6010
Percent Solid	84		%	11/12/14	I	E160.3
Flash Point	>200	200	degree F	11/13/14	Y	SW1010
Ignitability	Passed	140	degree F	11/13/14	Y	SW1030
Total Cyanide	< 0.54	0.54	mg/Kg	11/12/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed			11/12/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed			11/12/14	CC	SW3545
Soil Extraction for SVOA	Completed			11/12/14	CB/VH	SW3545
Extraction of CT ETPH	Completed			11/12/14	CC/V	3545
Mercury Digestion	Completed			11/14/14	I/I	SW7471
Paint Filter Test	Passed		PASS/FAIL	11/12/14	B	SW9095
Total Metals Digest	Completed			11/12/14	CB/AG	SW846 - 3050
TPH by GC (Extractable Products)						
Ext. Petroleum HC	64	58	mg/Kg	11/13/14	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/13/14	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	65		%	11/13/14	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	0.38	mg/kg	11/13/14	AW	SW 8082

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Phoenix I.D.: BH39705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1221	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1232	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1242	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1248	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1254	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1260	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1262	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1268	ND	0.38	mg/kg	11/13/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	97		%	11/13/14	AW	30 - 150 %
% TCMX	88		%	11/13/14	AW	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
4,4' -DDE	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
4,4' -DDT	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
a-BHC	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Alachlor	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Aldrin	ND	0.0038	mg/Kg	11/13/14	CE	SW8081
b-BHC	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Chlordane	ND	0.038	mg/Kg	11/13/14	CE	SW8081
d-BHC	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Dieldrin	ND	0.0038	mg/Kg	11/13/14	CE	SW8081
Endosulfan I	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endosulfan II	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endosulfan sulfate	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endrin	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endrin aldehyde	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endrin ketone	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
g-BHC	ND	0.0015	mg/Kg	11/13/14	CE	SW8081
Heptachlor	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Heptachlor epoxide	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Methoxychlor	ND	0.038	mg/Kg	11/13/14	CE	SW8081
Toxaphene	ND	0.15	mg/Kg	11/13/14	CE	SW8081
QA/QC Surrogates						
% DCBP	66		%	11/13/14	CE	30 - 150 %
% TCMX	68		%	11/13/14	CE	30 - 150 %
Halogenated Volatiles						
1,1,1,2-Tetrachloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1,1-Trichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1,2-Trichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1-Dichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1-Dichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2,3-Trichloropropane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichloropropane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,3-Dichlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromodichloromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromoform	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromomethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Carbon tetrachloride	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chloroform	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chloromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Dibromochloromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Dibromomethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Dichlorodifluoromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Methylene chloride	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Tetrachloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Trichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Trichlorofluoromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Vinyl chloride	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	11/13/14	JLI	70 - 130 %
% Bromofluorobenzene	93		%	11/13/14	JLI	70 - 130 %
% Dibromofluoromethane	98		%	11/13/14	JLI	70 - 130 %
% Toluene-d8	103		%	11/13/14	JLI	70 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,2-Dichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
1,3-Dichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,4-Dichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4-Dichlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4-Dimethylphenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4-Dinitrophenol	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
2,4-Dinitrotoluene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,6-Dinitrotoluene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Chloronaphthalene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Chlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Methylnaphthalene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Nitroaniline	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
2-Nitrophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	0.27	mg/Kg	11/13/14	DD	SW 8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
3-Nitroaniline	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
4-Chloroaniline	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
4-Nitroaniline	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
4-Nitrophenol	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
Acenaphthene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Acenaphthylene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Acetophenone	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Aniline	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
Anthracene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benz(a)anthracene	0.31	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzidine	ND	0.47	mg/Kg	11/13/14	DD	SW 8270
Benzo(a)pyrene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzo(b)fluoranthene	0.35	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzo(ghi)perylene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzo(k)fluoranthene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzoic acid	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
Benzyl butyl phthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Carbazole	ND	0.59	mg/Kg	11/13/14	DD	SW 8270
Chrysene	0.33	0.27	mg/Kg	11/13/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Dibenzofuran	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Diethyl phthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Dimethylphthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Di-n-butylphthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Di-n-octylphthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Fluoranthene	0.51	0.27	mg/Kg	11/13/14	DD	SW 8270
Fluorene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachlorobutadiene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachloroethane	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Isophorone	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Naphthalene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Nitrobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
N-Nitrosodimethylamine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Pentachloronitrobenzene	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Pentachlorophenol	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Phenanthrene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Phenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Pyrene	0.46	0.27	mg/Kg	11/13/14	DD	SW 8270
Pyridine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	71		%	11/13/14	DD	30 - 130 %
% 2-Fluorobiphenyl	83		%	11/13/14	DD	30 - 130 %
% 2-Fluorophenol	83		%	11/13/14	DD	30 - 130 %
% Nitrobenzene-d5	79		%	11/13/14	DD	30 - 130 %
% Phenol-d5	77		%	11/13/14	DD	30 - 130 %
% Terphenyl-d14	93		%	11/13/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 18, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

November 18, 2014

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292090, QC Sample No: BH34659 (BH39705)												
ICP Metals - Soil												
Arsenic	BRL	3.0	3.63	NC	85.5	78.5	8.5	85.6	85.5	0.1	75 - 125	30
Barium	BRL	27.7	26.5	4.40	95.4	89.8	6.0	91.9	87.0	5.5	75 - 125	30
Cadmium	BRL	<0.33	<0.36	NC	93.0	92.1	1.0	88.6	89.2	0.7	75 - 125	30
Chromium	BRL	12.1	9.80	21.0	85.1	82.7	2.9	90.7	88.7	2.2	75 - 125	30
Lead	BRL	1.86	1.95	4.70	81.5	78.7	3.5	88.3	88.0	0.3	75 - 125	30
Selenium	BRL	<1.3	<1.5	NC	78.0	75.5	3.3	77.3	79.5	2.8	75 - 125	30
Silver	BRL	<0.33	<0.36	NC	86.8	85.7	1.3	94.4	93.8	0.6	75 - 125	30
QA/QC Batch 292282, QC Sample No: BH39729 (BH39705)												
Mercury - Soil	BRL	<0.09	<0.08	NC	107	108	0.9	105	93.6	11.5	70 - 130	30

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

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QA/QC Report

November 18, 2014

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292121, QC Sample No: BH39604 (BH39705)												
Total Cyanide	BRL	<0.53	<0.53	NC	94.4			97.5			85 - 115	30
QA/QC Batch 292139, QC Sample No: BH39705 (BH39705)												
Flash Point		>200	>200	NC	100						85 - 115	30

PHOENIX

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QA/QC Report

November 18, 2014 **QA/QC Data** **SDG I.D.: GBH39705**

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 291966, QC Sample No: BH39377 (BH39705)										
TPH by GC (Extractable Products) - Solid										
Ext. Petroleum HC	ND	67			72	50	36.1	60 - 120	30	r
% n-Pentacosane	47	57			89	70	23.9	50 - 150	30	
QA/QC Batch 292085, QC Sample No: BH39586 (BH39705)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	94	110	15.7	112	134	17.9	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	91	105	14.3	107	106	0.9	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	100	94	105	11.1	98	97	1.0	30 - 150	30	
% TCMX (Surrogate Rec)	88	102	113	10.2	109	110	0.9	30 - 150	30	
QA/QC Batch 292089, QC Sample No: BH39788 (BH39705)										
Pesticides - Solid										
4,4' -DDD	ND	78	75	3.9	77	83	7.5	40 - 140	30	
4,4' -DDE	ND	81	79	2.5	80	83	3.7	40 - 140	30	
4,4' -DDT	ND	76	71	6.8	NA	NA	NC	40 - 140	30	
a-BHC	ND	82	79	3.7	89	94	5.5	40 - 140	30	
a-Chlordane	ND	79	77	2.6	81	83	2.4	40 - 140	30	
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	77	74	4.0	78	82	5.0	40 - 140	30	
b-BHC	ND	83	81	2.4	85	87	2.3	40 - 140	30	
Chlordane	ND	79	77	2.6	85	86	1.2	40 - 140	30	
d-BHC	ND	76	75	1.3	80	81	1.2	40 - 140	30	
Dieldrin	ND	91	89	2.2	NA	NA	NC	40 - 140	30	
Endosulfan I	ND	77	76	1.3	81	83	2.4	40 - 140	30	
Endosulfan II	ND	72	72	0.0	54	124	78.7	40 - 140	30	r
Endosulfan sulfate	ND	64	61	4.8	87	88	1.1	40 - 140	30	
Endrin	ND	75	73	2.7	105	110	4.7	40 - 140	30	
Endrin aldehyde	ND	74	70	5.6	NA	NA	NC	40 - 140	30	
Endrin ketone	ND	78	76	2.6	105	117	10.8	40 - 140	30	
g-BHC	ND	82	80	2.5	87	91	4.5	40 - 140	30	
g-Chlordane	ND	79	77	2.6	85	86	1.2	40 - 140	30	
Heptachlor	ND	81	77	5.1	83	87	4.7	40 - 140	30	
Heptachlor epoxide	ND	82	80	2.5	83	85	2.4	40 - 140	30	
Methoxychlor	ND	85	85	0.0	NA	NA	NC	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP	89	92	89	3.3	87	92	5.6	30 - 150	30	
% TCMX	85	86	82	4.8	88	95	7.7	30 - 150	30	

Comment:

Due to matrix interference caused by the presence of PCBs in the unspiked sample, MS / MSD spike recoveries greater than 140% were observed.

QA/QC Batch 292088, QC Sample No: BH39797 (BH39705)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	86	85	1.2	84	81	3.6	30 - 130	30	
1,2,4-Trichlorobenzene	ND	92	93	1.1	88	90	2.2	30 - 130	30	
1,2-Dichlorobenzene	ND	72	75	4.1	71	76	6.8	30 - 130	30	
1,2-Diphenylhydrazine	ND	98	96	2.1	85	78	8.6	30 - 130	30	
1,3-Dichlorobenzene	ND	71	75	5.5	70	76	8.2	30 - 130	30	
1,4-Dichlorobenzene	ND	72	75	4.1	70	76	8.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	94	92	2.2	95	90	5.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	94	92	2.2	89	85	4.6	30 - 130	30	
2,4-Dichlorophenol	ND	94	94	0.0	89	87	2.3	30 - 130	30	
2,4-Dimethylphenol	ND	86	87	1.2	86	86	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	12	<10	NC	24	12	66.7	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	100	97	3.0	87	78	10.9	30 - 130	30	
2,6-Dinitrotoluene	ND	100	97	3.0	89	82	8.2	30 - 130	30	
2-Chloronaphthalene	ND	91	90	1.1	86	83	3.6	30 - 130	30	
2-Chlorophenol	ND	82	84	2.4	75	81	7.7	30 - 130	30	
2-Methylnaphthalene	ND	94	92	2.2	87	88	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	79	80	1.3	76	90	16.9	30 - 130	30	
2-Nitroaniline	ND	135	129	4.5	107	102	4.8	30 - 130	30	l
2-Nitrophenol	ND	91	90	1.1	86	88	2.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	80	81	1.2	77	78	1.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	118	114	3.4	<10	<10	NC	30 - 130	30	m
3-Nitroaniline	ND	158	154	2.6	77	68	12.4	30 - 130	30	l
4,6-Dinitro-2-methylphenol	ND	28	21	28.6	30	14	72.7	30 - 130	30	l,m,r
4-Bromophenyl phenyl ether	ND	96	92	4.3	89	81	9.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	100	99	1.0	97	92	5.3	30 - 130	30	
4-Chloroaniline	ND	105	105	0.0	24	24	0.0	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	85	83	2.4	80	76	5.1	30 - 130	30	
4-Nitroaniline	ND	99	96	3.1	89	85	4.6	30 - 130	30	
4-Nitrophenol	ND	93	91	2.2	111	99	11.4	30 - 130	30	
Acenaphthene	ND	85	84	1.2	82	77	6.3	30 - 130	30	
Acenaphthylene	ND	89	87	2.3	82	78	5.0	30 - 130	30	
Acetophenone	ND	77	78	1.3	71	76	6.8	30 - 130	30	
Aniline	ND	79	82	3.7	30	28	6.9	30 - 130	30	m
Anthracene	ND	95	90	5.4	87	81	7.1	30 - 130	30	
Benz(a)anthracene	ND	108	104	3.8	93	86	7.8	30 - 130	30	
Benzidine	ND	24	22	8.7	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	99	93	6.3	85	79	7.3	30 - 130	30	
Benzo(b)fluoranthene	ND	98	97	1.0	89	90	1.1	30 - 130	30	
Benzo(ghi)perylene	ND	97	98	1.0	84	73	14.0	30 - 130	30	
Benzo(k)fluoranthene	ND	100	88	12.8	87	75	14.8	30 - 130	30	
Benzoic Acid	ND	10	11	9.5	77	59	26.5	30 - 130	30	l
Benzyl butyl phthalate	ND	109	104	4.7	106	96	9.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	94	94	0.0	84	87	3.5	30 - 130	30	
Bis(2-chloroethyl)ether	ND	68	71	4.3	72	79	9.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	76	79	3.9	70	74	5.6	30 - 130	30	

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-ethylhexyl)phthalate	ND	102	95	7.1	87	82	5.9	30 - 130	30	
Carbazole	ND	153	147	4.0	149	136	9.1	30 - 130	30	l,m
Chrysene	ND	105	102	2.9	89	83	7.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	94	95	1.1	88	77	13.3	30 - 130	30	
Dibenzofuran	ND	92	89	3.3	86	81	6.0	30 - 130	30	
Diethyl phthalate	ND	96	93	3.2	90	84	6.9	30 - 130	30	
Dimethylphthalate	ND	96	93	3.2	88	83	5.8	30 - 130	30	
Di-n-butylphthalate	ND	99	94	5.2	90	82	9.3	30 - 130	30	
Di-n-octylphthalate	ND	104	99	4.9	73	68	7.1	30 - 130	30	
Fluoranthene	ND	98	91	7.4	77	71	8.1	30 - 130	30	
Fluorene	ND	88	85	3.5	84	79	6.1	30 - 130	30	
Hexachlorobenzene	ND	97	93	4.2	88	81	8.3	30 - 130	30	
Hexachlorobutadiene	ND	84	86	2.4	81	83	2.4	30 - 130	30	
Hexachlorocyclopentadiene	ND	87	89	2.3	40	30	28.6	30 - 130	30	
Hexachloroethane	ND	72	77	6.7	70	73	4.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	96	96	0.0	87	78	10.9	30 - 130	30	
Isophorone	ND	91	90	1.1	82	84	2.4	30 - 130	30	
Naphthalene	ND	90	90	0.0	84	87	3.5	30 - 130	30	
Nitrobenzene	ND	83	85	2.4	76	81	6.4	30 - 130	30	
N-Nitrosodimethylamine	ND	69	73	5.6	66	72	8.7	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	86	86	0.0	77	81	5.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	109	105	3.7	102	94	8.2	30 - 130	30	
Pentachloronitrobenzene	ND	94	90	4.3	82	73	11.6	30 - 130	30	
Pentachlorophenol	ND	73	65	11.6	103	89	14.6	30 - 130	30	
Phenanthrene	ND	94	89	5.5	88	82	7.1	30 - 130	30	
Phenol	ND	80	81	1.2	78	83	6.2	30 - 130	30	
Pyrene	ND	102	94	8.2	74	68	8.5	30 - 130	30	
Pyridine	ND	46	49	6.3	48	53	9.9	30 - 130	30	
% 2,4,6-Tribromophenol	84	86	82	4.8	87	80	8.4	30 - 130	30	
% 2-Fluorobiphenyl	74	83	82	1.2	78	76	2.6	30 - 130	30	
% 2-Fluorophenol	61	70	73	4.2	64	71	10.4	30 - 130	30	
% Nitrobenzene-d5	66	77	79	2.6	72	77	6.7	30 - 130	30	
% Phenol-d5	70	76	79	3.9	71	75	5.5	30 - 130	30	
% Terphenyl-d14	85	98	93	5.2	70	64	9.0	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 292339, QC Sample No: BH39822 (BH39705)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	100	113	12.2	112	116	3.5	70 - 130	30
1,1,1-Trichloroethane	ND	97	111	13.5	113	113	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	102	103	1.0	117	114	2.6	70 - 130	30
1,1,2-Trichloroethane	ND	93	103	10.2	107	107	0.0	70 - 130	30
1,1-Dichloroethane	ND	94	109	14.8	113	115	1.8	70 - 130	30
1,1-Dichloroethene	ND	97	116	17.8	122	126	3.2	70 - 130	30
1,2,3-Trichloropropane	ND	96	103	7.0	113	113	0.0	70 - 130	30
1,2-Dichlorobenzene	ND	94	95	1.1	104	105	1.0	70 - 130	30
1,2-Dichloroéthane	ND	98	110	11.5	109	114	4.5	70 - 130	30
1,2-Dichloropropane	ND	96	108	11.8	110	114	3.6	70 - 130	30
1,3-Dichlorobenzene	ND	93	87	6.7	104	106	1.9	70 - 130	30
1,4-Dichlorobenzene	ND	93	85	9.0	102	104	1.9	70 - 130	30
Bromobenzene	ND	97	105	7.9	113	116	2.6	70 - 130	30

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromodichloromethane	ND	101	113	11.2	110	116	5.3	70 - 130	30	
Bromoform	ND	104	113	8.3	112	110	1.8	70 - 130	30	
Bromomethane	ND	106	129	19.6	106	105	0.9	70 - 130	30	
Carbon tetrachloride	ND	94	108	13.9	113	116	2.6	70 - 130	30	
Chlorobenzene	ND	95	103	8.1	111	111	0.0	70 - 130	30	
Chloroethane	ND	99	118	17.5	119	128	7.3	70 - 130	30	
Chloroform	ND	95	111	15.5	111	115	3.5	70 - 130	30	
Chloromethane	ND	101	137	30.3	103	107	3.8	70 - 130	30	l
cis-1,2-Dichloroethene	ND	95	112	16.4	112	112	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	108	4.7	105	109	3.7	70 - 130	30	
Dibromochloromethane	ND	100	115	14.0	115	114	0.9	70 - 130	30	
Dibromomethane	ND	96	107	10.8	107	110	2.8	70 - 130	30	
Dichlorodifluoromethane	ND	125	184	38.2	148	149	0.7	70 - 130	30	l,m,r
Methylene chloride	ND	94	108	13.9	106	107	0.9	70 - 130	30	
Tetrachloroethene	ND	96	97	1.0	113	114	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	96	109	12.7	110	116	5.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	104	1.9	105	106	0.9	70 - 130	30	
Trichloroethene	ND	94	110	15.7	107	110	2.8	70 - 130	30	
Trichlorofluoromethane	ND	96	115	18.0	120	129	7.2	70 - 130	30	
Vinyl chloride	ND	102	129	23.4	116	117	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	99	100	1.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	96	101	101	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	96	100	98	2.0	95	100	5.1	70 - 130	30	
% Toluene-d8	105	100	97	3.0	96	99	3.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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

Phyllis Shiller, Laboratory Director
November 18, 2014

Tuesday, November 18, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBH39705 - FOENVIR

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BH39705

Sampling Date(s): 11/12/2014

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☑ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☐ Yes ☑ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Tuesday, November 18, 2014

Printed Name: Ethan Lee

Position: 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

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NY # 11301

RCP Certification Report

November 18, 2014

SDG I.D.: GBH39705

BH39705 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Beryllium, Copper, Nickel, Thallium, Vanadium, Zinc.

BH39705 - The following analytes from the 8260 RCP Volatile list were not reported: 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chlorotoluene, 2-Hexanone, 4-Chlorotoluene, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzene, Carbon Disulfide, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m&p-Xylene, Methyl Ethyl Ketone, Methyl t-butyl ether (MTBE), n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Xylene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran (THF), Toluene, trans-1,4-dichloro-2-butene, Trichlorotrifluoroethane.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid84 11/13/14-1 (BH39705)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 11/13/2014

QC (Batch Specific)

---------- Sample No: BH39377, QA/QC Batch: 291966 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 11/14/14-1 (BH39705)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 11/14/2014

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RCP Certification Report

November 18, 2014

SDG I.D.: GBH39705

QC (Batch Specific)

---------- Sample No: BH39729, QA/QC Batch: 292282 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 11/13/14-1 (BH39705)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 11/13/2014

QC (Batch Specific)

---------- Sample No: BH34659, QA/QC Batch: 292090 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd8 11/13/14-1 (BH39705)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

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RCP Certification Report

November 18, 2014

SDG I.D.: GBH39705

Printed Name	Adam Werner
Position:	Chemist
Date:	11/13/2014

QC (Batch Specific)

---------- Sample No: BH39586, QA/QC Batch: 292085 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd4 11/13/14-1 (BH39705)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 20% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: NoneThe initial calibration (PS1111AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS1111BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:
N13B054 - 4,4'-DDT (-17%), Endrin (-17%)
A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name	Carol Eddy
Position:	Chemist
Date:	11/13/2014

QC Comments: QC Batch 292089 11/12/14 (BH39705)

Due to matrix interference caused by the presence of PCBs in the unspiked sample, MS / MSD spike recoveries greater than 140% were observed.

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RCP Certification Report

November 18, 2014

SDG I.D.: GBH39705

QC (Batch Specific)

---------- Sample No: BH39788, QA/QC Batch: 292089 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 292088 (Samples: BH39705): ----

The LCS and/or LCSD recoveries for one or more analytes is below the method criteria. A low bias for these analytes is possible. (Benzoic Acid)

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (2-Nitroaniline, 3-Nitroaniline)

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is possible. (2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (Carbazole)

Instrument: Chem05 11/12/14-1 (BH39705)

Initial Calibration Verification (CHEM05/SV_1105):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (37%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM05/1112_04-SV_1105):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 3-nitroaniline (52%)[30%], Benzidine (80%)[30%]
The following compounds did not meet maximum % deviations: 3-nitroaniline (52%)[40%], Benzidine (80%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.083)[0.1], Hexachlorobenzene (.083)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 11/12/2014

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RCP Certification Report

November 18, 2014

SDG I.D.: GBH39705

QC (Batch Specific)

---------- Sample No: BH39797, QA/QC Batch: 292088 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(12%), 2-Nitroaniline(135%), 3-Nitroaniline(158%), 4,6-Dinitro-2-methylphenol(28%), Benzidine(24%), Benzoic Acid(10%), Carbazole(153%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 3-Nitroaniline(154%), 4,6-Dinitro-2-methylphenol(21%), Benzidine(22%), Benzoic Acid(11%), Carbazole(147%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 292339 (Samples: BH39705): ----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Chloromethane)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (Dichlorodifluoromethane)

The LCS/LCSD RPD for one or more analytes exceeds the method criteria. These analytes were not reported in the samples, therefore no sample variability is suspected. (Dichlorodifluoromethane)

Instrument: Chem03 11/13/14-1 (BH39705)

Initial Calibration Verification (CHEM03/RCPS_1113):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromoform (21%), Styrene (21%), trans-1,4-Dichloro-2-butene (24%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/1113L12-RCPS_1113):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 11/13/2014

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RCP Certification Report

November 18, 2014

SDG I.D.: GBH39705

QC (Batch Specific)

---------- Sample No: BH39822, QA/QC Batch: 292339 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Chloromethane(137%), Dichlorodifluoromethane(184%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Dichlorodifluoromethane(38.2%)

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

1 of 1

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CHAIN-OF-CUSTODY RECORD 1657

☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Kathleen Pune
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 11-12-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	ETPH	8260 Total Halogens	1010 Flashpoint	8270 Full semi-volatile org compounds	8082 - PCB's	Total RCRA-8 Total metals	8081 - Total Pesticides	Cyanide	9045 - Paint Filter	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is	Glass Amber ( ) ml, [ ] As is	Plastic - As is, [ ] 250 ml	Plastic - H_2SO_4, [ ] 250 ml	Plastic - HNO_3, 250 ml	Plastic - NaOH, 250 ml	Comments
1					111286-01	S	11-12-14	0820	X	X	X	X	X	X	X	X	X		1									39705

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	11-12-14	15:00
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: 5-pt Composite Sample From Transformer Vault Excavated Soil Pile

PHOENIX
Environmental Laboratories, Inc.

Soil

Monday, November 24, 2014

Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BH39706

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

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
NY # 11301

SDG Comments

November 24, 2014

SDG I.D.: GBH39706

BH39706 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

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

Analysis Report

November 24, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	8:35
Location Code:	F&OENVIR	Received by:	SW	11/12/14	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBH39706
Phoenix ID: BH39706

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	11/12/14	I	SW846
Volatiles						
1,1,1,2-Tetrachloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,1,1-Trichloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,1,2-Trichloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,1-Dichloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,1-Dichloroethene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,1-Dichloropropene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2,3-Trichloropropane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2-Dibromoethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2-Dichlorobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2-Dichloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,2-Dichloropropane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,3-Dichlorobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,3-Dichloropropane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
1,4-Dichlorobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
2,2-Dichloropropane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
2-Chlorotoluene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
2-Hexanone	ND	0.029	mg/Kg	11/13/14	HM	SW8260
2-Isopropyltoluene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
4-Chlorotoluene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-02

Phoenix I.D.: BH39706

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	0.029	mg/Kg	11/13/14	HM	SW8260
Acetone	ND	0.029	mg/Kg	11/13/14	HM	SW8260
Acrylonitrile	ND	0.012	mg/Kg	11/13/14	HM	SW8260
Benzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Bromobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Bromochloromethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Bromodichloromethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Bromoform	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Bromomethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Carbon Disulfide	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Carbon tetrachloride	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Chlorobenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Chloroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Chloroform	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Chloromethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
cis-1,2-Dichloroethene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
cis-1,3-Dichloropropene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Dibromochloromethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Dibromomethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Dichlorodifluoromethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Ethylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Hexachlorobutadiene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Isopropylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
m&p-Xylene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Methyl Ethyl Ketone	ND	0.029	mg/Kg	11/13/14	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	11/13/14	HM	SW8260
Methylene chloride	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Naphthalene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
n-Butylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
n-Propylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
o-Xylene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
p-Isopropyltoluene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
sec-Butylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Styrene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
tert-Butylbenzene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Tetrachloroethene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	11/13/14	HM	SW8260
Toluene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Total Xylenes	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
trans-1,2-Dichloroethene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
trans-1,3-Dichloropropene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	11/13/14	HM	SW8260
Trichloroethene	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Trichlorofluoromethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Trichlorotrifluoroethane	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
Vinyl chloride	ND	0.0059	mg/Kg	11/13/14	HM	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	11/13/14	HM	70 - 130 %
% Bromofluorobenzene	91		%	11/13/14	HM	70 - 130 %

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-02

Phoenix I.D.: BH39706

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	93		%	11/13/14	HM	70 - 130 %
% Toluene-d8	105		%	11/13/14	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 24, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

November 24, 2014

QA/QC Data

SDG I.D.: GBH39706

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 292339, QC Sample No: BH39822 (BH39706)										
Volatiles - Solid										
1,1,1,2-Tetrachloroethane	ND	100	113	12.2	112	116	3.5	70 - 130	30	
1,1,1-Trichloroethane	ND	97	111	13.5	113	113	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	103	1.0	117	114	2.6	70 - 130	30	
1,1,2-Trichloroethane	ND	93	103	10.2	107	107	0.0	70 - 130	30	
1,1-Dichloroethane	ND	94	109	14.8	113	115	1.8	70 - 130	30	
1,1-Dichloroethene	ND	97	116	17.8	122	126	3.2	70 - 130	30	
1,1-Dichloropropene	ND	94	99	5.2	113	115	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	93	82	12.6	77	77	0.0	70 - 130	30	
1,2,3-Trichloropropane	ND	96	103	7.0	113	113	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	92	70	27.2	83	84	1.2	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	92	1.1	128	131	2.3	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	101	105	3.9	112	108	3.6	70 - 130	30	
1,2-Dibromoethane	ND	99	107	7.8	107	108	0.9	70 - 130	30	
1,2-Dichlorobenzene	ND	94	95	1.1	104	105	1.0	70 - 130	30	
1,2-Dichloroethane	ND	98	110	11.5	109	114	4.5	70 - 130	30	
1,2-Dichloropropane	ND	96	108	11.8	110	114	3.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	97	99	2.0	121	124	2.4	70 - 130	30	
1,3-Dichlorobenzene	ND	93	87	6.7	104	106	1.9	70 - 130	30	
1,3-Dichloropropane	ND	99	109	9.6	113	113	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	93	85	9.0	102	104	1.9	70 - 130	30	
2,2-Dichloropropane	ND	95	98	3.1	106	106	0.0	70 - 130	30	
2-Chlorotoluene	ND	98	99	1.0	121	122	0.8	70 - 130	30	
2-Hexanone	ND	84	85	1.2	89	86	3.4	70 - 130	30	
2-Isopropyltoluene	ND	102	105	2.9	118	122	3.3	70 - 130	30	
4-Chlorotoluene	ND	92	91	1.1	111	113	1.8	70 - 130	30	
4-Methyl-2-pentanone	ND	90	93	3.3	101	100	1.0	70 - 130	30	
Acetone	ND	79	84	6.1	81	80	1.2	70 - 130	30	
Acrylonitrile	ND	97	103	6.0	103	97	6.0	70 - 130	30	
Benzene	ND	95	108	12.8	112	116	3.5	70 - 130	30	
Bromobenzene	ND	97	105	7.9	113	116	2.6	70 - 130	30	
Bromochloromethane	ND	95	110	14.6	108	110	1.8	70 - 130	30	
Bromodichloromethane	ND	101	113	11.2	110	116	5.3	70 - 130	30	
Bromoform	ND	104	113	8.3	112	110	1.8	70 - 130	30	
Bromomethane	ND	106	129	19.6	106	105	0.9	70 - 130	30	
Carbon Disulfide	ND	105	124	16.6	88	89	1.1	70 - 130	30	
Carbon tetrachloride	ND	94	108	13.9	113	116	2.6	70 - 130	30	
Chlorobenzene	ND	95	103	8.1	111	111	0.0	70 - 130	30	
Chloroethane	ND	99	118	17.5	119	128	7.3	70 - 130	30	
Chloroform	ND	95	111	15.5	111	115	3.5	70 - 130	30	
Chloromethane	ND	101	137	30.3	103	107	3.8	70 - 130	30	I
cis-1,2-Dichloroethene	ND	95	112	16.4	112	112	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH39706

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	103	108	4.7	105	109	3.7	70 - 130	30	
Dibromochloromethane	ND	100	115	14.0	115	114	0.9	70 - 130	30	
Dibromomethane	ND	96	107	10.8	107	110	2.8	70 - 130	30	
Dichlorodifluoromethane	ND	125	184	38.2	148	149	0.7	70 - 130	30	l,m,r
Ethylbenzene	ND	98	103	5.0	117	119	1.7	70 - 130	30	
Hexachlorobutadiene	ND	97	86	12.0	81	83	2.4	70 - 130	30	
Isopropylbenzene	ND	98	104	5.9	127	129	1.6	70 - 130	30	
m&p-Xylene	ND	95	99	4.1	121	121	0.0	70 - 130	30	
Methyl ethyl ketone	ND	74	79	6.5	80	78	2.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	101	117	14.7	114	117	2.6	70 - 130	30	
Methylene chloride	ND	94	108	13.9	106	107	0.9	70 - 130	30	
Naphthalene	ND	102	101	1.0	88	88	0.0	70 - 130	30	
n-Butylbenzene	ND	93	80	15.0	103	106	2.9	70 - 130	30	
n-Propylbenzene	ND	89	91	2.2	119	122	2.5	70 - 130	30	
o-Xylene	ND	97	106	8.9	123	125	1.6	70 - 130	30	
p-Isopropyltoluene	ND	98	94	4.2	114	118	3.4	70 - 130	30	
sec-Butylbenzene	ND	98	101	3.0	117	119	1.7	70 - 130	30	
Styrene	ND	98	105	6.9	110	111	0.9	70 - 130	30	
tert-Butylbenzene	ND	97	104	7.0	121	125	3.3	70 - 130	30	
Tetrachloroethene	ND	96	97	1.0	113	114	0.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	96	101	5.1	107	105	1.9	70 - 130	30	
Toluene	ND	95	103	8.1	111	115	3.5	70 - 130	30	
trans-1,2-Dichloroethene	ND	96	109	12.7	110	116	5.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	104	1.9	105	106	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	87	10.9	102	99	3.0	70 - 130	30	
Trichloroethene	ND	94	110	15.7	107	110	2.8	70 - 130	30	
Trichlorofluoromethane	ND	96	115	18.0	120	129	7.2	70 - 130	30	
Trichlorotrifluoroethane	ND	94	110	15.7	117	123	5.0	70 - 130	30	
Vinyl chloride	ND	102	129	23.4	116	117	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	99	100	1.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	96	101	101	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	96	100	98	2.0	95	100	5.1	70 - 130	30	
% Toluene-d8	105	100	97	3.0	96	99	3.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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

Phyllis Shiller, Laboratory Director
November 24, 2014

Monday, November 24, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBH39706 - FOENVIR

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BH39706

Sampling Date(s): 11/12/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☑ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Monday, November 24, 2014

Printed Name: Ethan Lee

Position: 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 NY # 11301

RCP Certification Report

November 24, 2014

SDG I.D.: GBH39706

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 292339 (Samples: BH39706): ----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Chloromethane)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (Dichlorodifluoromethane)

The LCS/LCSD RPD for one or more analytes exceeds the method criteria. This analyte was not reported in the sample, therefore no sample variability is suspected. (Dichlorodifluoromethane)

Instrument: Chem03 11/13/14-1 (BH39706)

Initial Calibration Verification (CHEM03/RCPS_1113):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromoform (21%), Styrene (21%), trans-1,4-Dichloro-2-butene (24%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/1113L12-RCPS_1113):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 11/13/2014

QC (Batch Specific)

---------- Sample No: BH39822, QA/QC Batch: 292339 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Chloromethane(137%), Dichlorodifluoromethane(184%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Dichlorodifluoromethane(38.2%)

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

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
NY # 11301

RCP Certification Report

November 24, 2014

SDG I.D.: GBH39706

1 of 1
VD

FUSS & O'NEILL ENVIROSCIENCE, LLC
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- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

1822

☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Kathleen Pure
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 11-12-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	8260 - VOCs / Halogenated VOCs	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container (4) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					11286-02	S	11-12-14	0835	X				1								39706

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	11-12-14	15:00
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Discrete Sample From Transformer Vault Excavated Soil Pile

Linda - Phoenixlabs

From: Kathleen Pane [KPane@fando.com]
Sent: Thursday, November 20, 2014 2:53 PM
To: Linda - Phoenixlabs (linda@phoenixlabs.com)
Subject: RE: Discovery soil sample

Halogenated. Need full line. 8260.

Kathleen Pane
Project Manager
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5585 | kpane@fando.com | fax: 860.649.6883 | cell: 860.510.9290
www.fando.com | twitter | facebook | linkedin

From: Kathleen Pane
Sent: Thursday, November 20, 2014 2:48 PM
To: Linda - Phoenixlabs (linda@phoenixlabs.com)
Subject: Discovery soil sample

Hi Linda,
Please see attached report. Do you have the VOCs for this sample? Can you please forward that data?

Kathleen Pane
Project Manager
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5585 | kpane@fando.com | fax: 860.649.6883 | cell: 860.510.9290
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PHOENIX
Environmental Laboratories, Inc.

Soil

Monday, December 01, 2014

Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BH39705

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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ACCREDITED IN ACCORDANCE WITH
NY # 11301

SDG Comments

December 01, 2014

SDG I.D.: GBH39705

BH39705 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

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 01, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	8:20
Location Code:	F&OENVIR	Received by:	SW	11/12/14	15:06
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBH39705
Phoenix ID: BH39705

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	11/13/14	LK	SW6010
Arsenic	2.1	0.7	mg/Kg	11/13/14	LK	SW6010
Barium	107	0.36	mg/Kg	11/13/14	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	11/13/14	LK	SW6010
Chromium	20.9	0.36	mg/Kg	11/13/14	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	11/14/14	RS	SW-7471
Lead	13.7	0.36	mg/Kg	11/13/14	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	11/13/14	LK	SW6010
TCLP Silver	< 0.10	0.10	mg/L	11/25/14	LK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	11/25/14	LK	SW6010
TCLP Barium	1.01	0.10	mg/L	11/25/14	LK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	11/25/14	LK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	11/25/14	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	11/24/14	RS	SW7470
TCLP Lead	< 0.10	0.10	mg/L	11/25/14	LK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	11/25/14	LK	SW6010
TCLP Metals Digestion	Completed			11/24/14	I/I	SW3005
Percent Solid	84		%	11/12/14	I	SW846
Flash Point	>200	200	degree F	11/13/14	Y	SW1010
Ignitability	Passed	140	degree F	11/13/14	Y	SW1010
Total Cyanide	< 0.54	0.54	mg/Kg	11/12/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed			11/12/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed			11/12/14	CC	SW3545
Soil Extraction for SVOA	Completed			11/12/14	CB/VH	SW3545
Extraction of CT ETPH	Completed			11/12/14	CC/V	3545
Mercury Digestion	Completed			11/14/14	I/I	SW7471
Paint Filter Test	Passed		PASS/FAIL	11/12/14	B	SW9095
TCLP Digestion Mercury	Completed			11/24/14	I/I	E1311/7470

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Phoenix I.D.: BH39705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Extraction for Metals	Completed			11/21/14	I	EPA 1311
Total Metals Digest	Completed			11/12/14	CB/AG	SW846 - 3050
TPH by GC (Extractable Products)						
Ext. Petroleum HC	64	58	mg/Kg	11/13/14	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/13/14	JRB	CT ETPH/8015
QA/QC Surrogates						
% n-Pentacosane	65		%	11/13/14	JRB	50 - 150 %
Polychlorinated Biphenyls						
PCB-1016	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1221	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1232	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1242	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1248	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1254	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1260	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1262	ND	0.38	mg/kg	11/13/14	AW	SW 8082
PCB-1268	ND	0.38	mg/kg	11/13/14	AW	SW 8082
QA/QC Surrogates						
% DCBP	97		%	11/13/14	AW	30 - 150 %
% TCMX	88		%	11/13/14	AW	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
4,4' -DDE	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
4,4' -DDT	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
a-BHC	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Alachlor	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Aldrin	ND	0.0038	mg/Kg	11/13/14	CE	SW8081
b-BHC	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Chlordane	ND	0.038	mg/Kg	11/13/14	CE	SW8081
d-BHC	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Dieldrin	ND	0.0038	mg/Kg	11/13/14	CE	SW8081
Endosulfan I	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endosulfan II	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endosulfan sulfate	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endrin	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endrin aldehyde	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Endrin ketone	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
g-BHC	ND	0.0015	mg/Kg	11/13/14	CE	SW8081
Heptachlor	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Heptachlor epoxide	ND	0.0077	mg/Kg	11/13/14	CE	SW8081
Methoxychlor	ND	0.038	mg/Kg	11/13/14	CE	SW8081
Toxaphene	ND	0.15	mg/Kg	11/13/14	CE	SW8081
QA/QC Surrogates						
% DCBP	66		%	11/13/14	CE	30 - 150 %
% TCMX	68		%	11/13/14	CE	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Phoenix I.D.: BH39705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Halogenated Volatiles						
1,1,1,2-Tetrachloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1,1-Trichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1,2-Trichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1-Dichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,1-Dichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2,3-Trichloropropane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichloropropane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,3-Dichlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
1,4-Dichlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromodichloromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromoform	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Bromomethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Carbon tetrachloride	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chlorobenzene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chloroethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chloroform	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Chloromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Dibromochloromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Dibromomethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Dichlorodifluoromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Methylene chloride	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Tetrachloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Trichloroethene	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Trichlorofluoromethane	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
Vinyl chloride	ND	0.006	mg/Kg	11/13/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	98		%	11/13/14	JLI	70 - 130 %
% Bromofluorobenzene	93		%	11/13/14	JLI	70 - 130 %
% Dibromofluoromethane	98		%	11/13/14	JLI	70 - 130 %
% Toluene-d8	103		%	11/13/14	JLI	70 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,2-Dichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
1,3-Dichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
1,4-Dichlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Phoenix I.D.: BH39705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2,4-Dichlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4-Dimethylphenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,4-Dinitrophenol	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
2,4-Dinitrotoluene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2,6-Dinitrotoluene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Chloronaphthalene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Chlorophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Methylnaphthalene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
2-Nitroaniline	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
2-Nitrophenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
3-Nitroaniline	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
4-Chloroaniline	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
4-Nitroaniline	ND	0.63	mg/Kg	11/13/14	DD	SW 8270
4-Nitrophenol	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
Acenaphthene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Acenaphthylene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Acetophenone	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Aniline	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
Anthracene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benz(a)anthracene	0.31	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzidine	ND	0.47	mg/Kg	11/13/14	DD	SW 8270
Benzo(a)pyrene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzo(b)fluoranthene	0.35	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzo(ghi)perylene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzo(k)fluoranthene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Benzoic acid	ND	1.1	mg/Kg	11/13/14	DD	SW 8270
Benzyl butyl phthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Carbazole	ND	0.59	mg/Kg	11/13/14	DD	SW 8270
Chrysene	0.33	0.27	mg/Kg	11/13/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Dibenzofuran	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Diethyl phthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Dimethylphthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Di-n-butylphthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Di-n-octylphthalate	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Fluoranthene	0.51	0.27	mg/Kg	11/13/14	DD	SW 8270
Fluorene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachlorobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-01

Phoenix I.D.: BH39705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Hexachlorobutadiene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Hexachloroethane	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Isophorone	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Naphthalene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Nitrobenzene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
N-Nitrosodimethylamine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Pentachloronitrobenzene	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Pentachlorophenol	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
Phenanthrene	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Phenol	ND	0.27	mg/Kg	11/13/14	DD	SW 8270
Pyrene	0.46	0.27	mg/Kg	11/13/14	DD	SW 8270
Pyridine	ND	0.39	mg/Kg	11/13/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	71		%	11/13/14	DD	30 - 130 %
% 2-Fluorobiphenyl	83		%	11/13/14	DD	30 - 130 %
% 2-Fluorophenol	83		%	11/13/14	DD	30 - 130 %
% Nitrobenzene-d5	79		%	11/13/14	DD	30 - 130 %
% Phenol-d5	77		%	11/13/14	DD	30 - 130 %
% Terphenyl-d14	93		%	11/13/14	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 01, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

December 01, 2014

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 292090, QC Sample No: BH34659 (BH39705)													
ICP Metals - Soil													
Arsenic	BRL	3.0	3.63	NC	85.5	78.5	8.5	85.6	85.5	0.1	75 - 125	30	
Barium	BRL	27.7	26.5	4.40	95.4	89.8	6.0	91.9	87.0	5.5	75 - 125	30	
Cadmium	BRL	<0.33	<0.36	NC	93.0	92.1	1.0	88.6	89.2	0.7	75 - 125	30	
Chromium	BRL	12.1	9.80	21.0	85.1	82.7	2.9	90.7	88.7	2.2	75 - 125	30	
Lead	BRL	1.86	1.95	4.70	81.5	78.7	3.5	88.3	88.0	0.3	75 - 125	30	
Selenium	BRL	<1.3	<1.5	NC	78.0	75.5	3.3	77.3	79.5	2.8	75 - 125	30	
Silver	BRL	<0.33	<0.36	NC	86.8	85.7	1.3	94.4	93.8	0.6	75 - 125	30	
QA/QC Batch 292282, QC Sample No: BH39729 (BH39705)													
Mercury - Soil	BRL	<0.09	<0.08	NC	107	108	0.9	105	93.6	11.5	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 293021, QC Sample No: BH44210 (BH39705)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	107	110	2.8	102	102	0.0	75 - 125	20	
Barium	BRL	0.54	0.67	21.5	94.3	97.7	3.5	100	98.9	1.1	75 - 125	20	r
Cadmium	BRL	<0.050	<0.050	NC	100	105	4.9	101	101	0.0	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	96.0	100	4.1	97.3	96.8	0.5	75 - 125	20	
Lead	BRL	<0.10	<0.10	NC	98.9	102	3.1	99.8	99.1	0.7	75 - 125	20	
Selenium	BRL	<0.10	<0.10	NC	105	110	4.7	100	101	1.0	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	103	108	4.7	102	101	1.0	75 - 125	20	
QA/QC Batch 293150, QC Sample No: BH44380 (BH39705)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	108	106	1.9	106	104	1.9	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													

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

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QA/QC Report

December 01, 2014

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292121, QC Sample No: BH39604 (BH39705)												
Total Cyanide	BRL	<0.53	<0.53	NC	94.4			97.5			85 - 115	30
QA/QC Batch 292139, QC Sample No: BH39705 (BH39705)												
Flash Point		>200	>200	NC	100						85 - 115	30

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QA/QC Report

December 01, 2014

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 291966, QC Sample No: BH39377 (BH39705)										
TPH by GC (Extractable Products) - Solid										
Ext. Petroleum HC	ND	67			72	50	36.1	60 - 120	30	r
% n-Pentacosane	47	57			89	70	23.9	50 - 150	30	
QA/QC Batch 292085, QC Sample No: BH39586 (BH39705)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	94	110	15.7	112	134	17.9	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	91	105	14.3	107	106	0.9	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	100	94	105	11.1	98	97	1.0	30 - 150	30	
% TCMX (Surrogate Rec)	88	102	113	10.2	109	110	0.9	30 - 150	30	
QA/QC Batch 292089, QC Sample No: BH39788 (BH39705)										
Pesticides - Solid										
4,4' -DDD	ND	78	75	3.9	77	83	7.5	40 - 140	30	
4,4' -DDE	ND	81	79	2.5	80	83	3.7	40 - 140	30	
4,4' -DDT	ND	76	71	6.8	NA	NA	NC	40 - 140	30	
a-BHC	ND	82	79	3.7	89	94	5.5	40 - 140	30	
a-Chlordane	ND	79	77	2.6	81	83	2.4	40 - 140	30	
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	77	74	4.0	78	82	5.0	40 - 140	30	
b-BHC	ND	83	81	2.4	85	87	2.3	40 - 140	30	
Chlordane	ND	79	77	2.6	85	86	1.2	40 - 140	30	
d-BHC	ND	76	75	1.3	80	81	1.2	40 - 140	30	
Dieldrin	ND	91	89	2.2	NA	NA	NC	40 - 140	30	
Endosulfan I	ND	77	76	1.3	81	83	2.4	40 - 140	30	
Endosulfan II	ND	72	72	0.0	54	124	78.7	40 - 140	30	r
Endosulfan sulfate	ND	64	61	4.8	87	88	1.1	40 - 140	30	
Endrin	ND	75	73	2.7	105	110	4.7	40 - 140	30	
Endrin aldehyde	ND	74	70	5.6	NA	NA	NC	40 - 140	30	
Endrin ketone	ND	78	76	2.6	105	117	10.8	40 - 140	30	
g-BHC	ND	82	80	2.5	87	91	4.5	40 - 140	30	
g-Chlordane	ND	79	77	2.6	85	86	1.2	40 - 140	30	
Heptachlor	ND	81	77	5.1	83	87	4.7	40 - 140	30	
Heptachlor epoxide	ND	82	80	2.5	83	85	2.4	40 - 140	30	
Methoxychlor	ND	85	85	0.0	NA	NA	NC	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP	89	92	89	3.3	87	92	5.6	30 - 150	30	
% TCMX	85	86	82	4.8	88	95	7.7	30 - 150	30	

Comment:

NA = Due to matrix interference caused by the presence of PCBs in the unspiked sample several MS/MSD spike recoveries could not be reported.

QA/QC Batch 292088, QC Sample No: BH39797 (BH39705)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	86	85	1.2	84	81	3.6	30 - 130	30	
1,2,4-Trichlorobenzene	ND	92	93	1.1	88	90	2.2	30 - 130	30	
1,2-Dichlorobenzene	ND	72	75	4.1	71	76	6.8	30 - 130	30	
1,2-Diphenylhydrazine	ND	98	96	2.1	85	78	8.6	30 - 130	30	
1,3-Dichlorobenzene	ND	71	75	5.5	70	76	8.2	30 - 130	30	
1,4-Dichlorobenzene	ND	72	75	4.1	70	76	8.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	94	92	2.2	95	90	5.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	94	92	2.2	89	85	4.6	30 - 130	30	
2,4-Dichlorophenol	ND	94	94	0.0	89	87	2.3	30 - 130	30	
2,4-Dimethylphenol	ND	86	87	1.2	86	86	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	12	<10	NC	24	12	66.7	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	100	97	3.0	87	78	10.9	30 - 130	30	
2,6-Dinitrotoluene	ND	100	97	3.0	89	82	8.2	30 - 130	30	
2-Chloronaphthalene	ND	91	90	1.1	86	83	3.6	30 - 130	30	
2-Chlorophenol	ND	82	84	2.4	75	81	7.7	30 - 130	30	
2-Methylnaphthalene	ND	94	92	2.2	87	88	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	79	80	1.3	76	90	16.9	30 - 130	30	
2-Nitroaniline	ND	135	129	4.5	107	102	4.8	30 - 130	30	l
2-Nitrophenol	ND	91	90	1.1	86	88	2.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	80	81	1.2	77	78	1.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	118	114	3.4	<10	<10	NC	30 - 130	30	m
3-Nitroaniline	ND	158	154	2.6	77	68	12.4	30 - 130	30	l
4,6-Dinitro-2-methylphenol	ND	28	21	28.6	30	14	72.7	30 - 130	30	l,m,r
4-Bromophenyl phenyl ether	ND	96	92	4.3	89	81	9.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	100	99	1.0	97	92	5.3	30 - 130	30	
4-Chloroaniline	ND	105	105	0.0	24	24	0.0	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	85	83	2.4	80	76	5.1	30 - 130	30	
4-Nitroaniline	ND	99	96	3.1	89	85	4.6	30 - 130	30	
4-Nitrophenol	ND	93	91	2.2	111	99	11.4	30 - 130	30	
Acenaphthene	ND	85	84	1.2	82	77	6.3	30 - 130	30	
Acenaphthylene	ND	89	87	2.3	82	78	5.0	30 - 130	30	
Acetophenone	ND	77	78	1.3	71	76	6.8	30 - 130	30	
Aniline	ND	79	82	3.7	30	28	6.9	30 - 130	30	m
Anthracene	ND	95	90	5.4	87	81	7.1	30 - 130	30	
Benz(a)anthracene	ND	108	104	3.8	93	86	7.8	30 - 130	30	
Benzidine	ND	24	22	8.7	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	99	93	6.3	85	79	7.3	30 - 130	30	
Benzo(b)fluoranthene	ND	98	97	1.0	89	90	1.1	30 - 130	30	
Benzo(ghi)perylene	ND	97	98	1.0	84	73	14.0	30 - 130	30	
Benzo(k)fluoranthene	ND	100	88	12.8	87	75	14.8	30 - 130	30	
Benzoic Acid	ND	10	11	9.5	77	59	26.5	30 - 130	30	l
Benzyl butyl phthalate	ND	109	104	4.7	106	96	9.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	94	94	0.0	84	87	3.5	30 - 130	30	
Bis(2-chloroethyl)ether	ND	68	71	4.3	72	79	9.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	76	79	3.9	70	74	5.6	30 - 130	30	

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-ethylhexyl)phthalate	ND	102	95	7.1	87	82	5.9	30 - 130	30	
Carbazole	ND	153	147	4.0	149	136	9.1	30 - 130	30	l,m
Chrysene	ND	105	102	2.9	89	83	7.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	94	95	1.1	88	77	13.3	30 - 130	30	
Dibenzofuran	ND	92	89	3.3	86	81	6.0	30 - 130	30	
Diethyl phthalate	ND	96	93	3.2	90	84	6.9	30 - 130	30	
Dimethylphthalate	ND	96	93	3.2	88	83	5.8	30 - 130	30	
Di-n-butylphthalate	ND	99	94	5.2	90	82	9.3	30 - 130	30	
Di-n-octylphthalate	ND	104	99	4.9	73	68	7.1	30 - 130	30	
Fluoranthene	ND	98	91	7.4	77	71	8.1	30 - 130	30	
Fluorene	ND	88	85	3.5	84	79	6.1	30 - 130	30	
Hexachlorobenzene	ND	97	93	4.2	88	81	8.3	30 - 130	30	
Hexachlorobutadiene	ND	84	86	2.4	81	83	2.4	30 - 130	30	
Hexachlorocyclopentadiene	ND	87	89	2.3	40	30	28.6	30 - 130	30	
Hexachloroethane	ND	72	77	6.7	70	73	4.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	96	96	0.0	87	78	10.9	30 - 130	30	
Isophorone	ND	91	90	1.1	82	84	2.4	30 - 130	30	
Naphthalene	ND	90	90	0.0	84	87	3.5	30 - 130	30	
Nitrobenzene	ND	83	85	2.4	76	81	6.4	30 - 130	30	
N-Nitrosodimethylamine	ND	69	73	5.6	66	72	8.7	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	86	86	0.0	77	81	5.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	109	105	3.7	102	94	8.2	30 - 130	30	
Pentachloronitrobenzene	ND	94	90	4.3	82	73	11.6	30 - 130	30	
Pentachlorophenol	ND	73	65	11.6	103	89	14.6	30 - 130	30	
Phenanthrene	ND	94	89	5.5	88	82	7.1	30 - 130	30	
Phenol	ND	80	81	1.2	78	83	6.2	30 - 130	30	
Pyrene	ND	102	94	8.2	74	68	8.5	30 - 130	30	
Pyridine	ND	46	49	6.3	48	53	9.9	30 - 130	30	
% 2,4,6-Tribromophenol	84	86	82	4.8	87	80	8.4	30 - 130	30	
% 2-Fluorobiphenyl	74	83	82	1.2	78	76	2.6	30 - 130	30	
% 2-Fluorophenol	61	70	73	4.2	64	71	10.4	30 - 130	30	
% Nitrobenzene-d5	66	77	79	2.6	72	77	6.7	30 - 130	30	
% Phenol-d5	70	76	79	3.9	71	75	5.5	30 - 130	30	
% Terphenyl-d14	85	98	93	5.2	70	64	9.0	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 292339, QC Sample No: BH39822 (BH39705)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	100	113	12.2	112	116	3.5	70 - 130	30
1,1,1-Trichloroethane	ND	97	111	13.5	113	113	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	102	103	1.0	117	114	2.6	70 - 130	30
1,1,2-Trichloroethane	ND	93	103	10.2	107	107	0.0	70 - 130	30
1,1-Dichloroethane	ND	94	109	14.8	113	115	1.8	70 - 130	30
1,1-Dichloroethene	ND	97	116	17.8	122	126	3.2	70 - 130	30
1,2,3-Trichloropropane	ND	96	103	7.0	113	113	0.0	70 - 130	30
1,2-Dichlorobenzene	ND	94	95	1.1	104	105	1.0	70 - 130	30
1,2-Dichloroethane	ND	98	110	11.5	109	114	4.5	70 - 130	30
1,2-Dichloropropane	ND	96	108	11.8	110	114	3.6	70 - 130	30
1,3-Dichlorobenzene	ND	93	87	6.7	104	106	1.9	70 - 130	30
1,4-Dichlorobenzene	ND	93	85	9.0	102	104	1.9	70 - 130	30
Bromobenzene	ND	97	105	7.9	113	116	2.6	70 - 130	30

QA/QC Data

SDG I.D.: GBH39705

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromodichloromethane	ND	101	113	11.2	110	116	5.3	70 - 130	30	
Bromoform	ND	104	113	8.3	112	110	1.8	70 - 130	30	
Bromomethane	ND	106	129	19.6	106	105	0.9	70 - 130	30	
Carbon tetrachloride	ND	94	108	13.9	113	116	2.6	70 - 130	30	
Chlorobenzene	ND	95	103	8.1	111	111	0.0	70 - 130	30	
Chloroethane	ND	99	118	17.5	119	128	7.3	70 - 130	30	
Chloroform	ND	95	111	15.5	111	115	3.5	70 - 130	30	
Chloromethane	ND	101	137	30.3	103	107	3.8	70 - 130	30	l
cis-1,2-Dichloroethene	ND	95	112	16.4	112	112	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	108	4.7	105	109	3.7	70 - 130	30	
Dibromochloromethane	ND	100	115	14.0	115	114	0.9	70 - 130	30	
Dibromomethane	ND	96	107	10.8	107	110	2.8	70 - 130	30	
Dichlorodifluoromethane	ND	125	184	38.2	148	149	0.7	70 - 130	30	l,m,r
Methylene chloride	ND	94	108	13.9	106	107	0.9	70 - 130	30	
Tetrachloroethene	ND	96	97	1.0	113	114	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	96	109	12.7	110	116	5.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	104	1.9	105	106	0.9	70 - 130	30	
Trichloroethene	ND	94	110	15.7	107	110	2.8	70 - 130	30	
Trichlorofluoromethane	ND	96	115	18.0	120	129	7.2	70 - 130	30	
Vinyl chloride	ND	102	129	23.4	116	117	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	99	100	1.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	96	101	101	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	96	100	98	2.0	95	100	5.1	70 - 130	30	
% Toluene-d8	105	100	97	3.0	96	99	3.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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

Phyllis Shiller, Laboratory Director
December 01, 2014

Monday, December 01, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBH39705 - FOENVIR

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BH39705

Sampling Date(s): 11/12/2014

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☑ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☐ Yes ☑ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ICP Narration, SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Monday, December 01, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

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 NY # 11301

RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

BH39705 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Beryllium, Copper, Nickel, Thallium, Vanadium, Zinc.

BH39705 - The following analytes from the 8260 RCP Volatile list were not reported: 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chlorotoluene, 2-Hexanone, 4-Chlorotoluene, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzene, Carbon Disulfide, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m&p-Xylene, Methyl Ethyl Ketone, Methyl t-butyl ether (MTBE), n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Xylene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran (THF), Toluene, trans-1,4-dichloro-2-butene, Trichlorotrifluoroethane.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid84 11/13/14-1 (BH39705)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 11/13/2014

QC (Batch Specific)

----------- Sample No: BH39377, QA/QC Batch: 291966 ----------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 11/14/14-1 (BH39705)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 11/14/2014

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RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

Instrument: Merlin 11/24/14-1 (BH39705)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 11/24/2014

QC (Batch Specific)

---------- Sample No: BH39729, QA/QC Batch: 292282 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH44380, QA/QC Batch: 293150 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 293021 (Samples: BH39705) ---

The Laboratory Duplicate RPD for one or more analytes exceeds the method criteria, therefore there may be variability in the reported result. (TCLP Extraction-Barium)

Instrument: Arcos 11/13/14-1 (BH39705)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

Printed Name Laura Kinnin
Position: Chemist
Date: 11/13/2014

Instrument: Arcos 11/24/14-1 (BH39705)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 11/24/2014

Instrument: Arcos 11/25/14-1 (BH39705)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 11/25/2014

QC (Batch Specific)

---------- Sample No: BH34659, QA/QC Batch: 292090 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH44210, QA/QC Batch: 293021 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

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RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

Instrument: Au-ecd8 11/13/14-1 (BH39705)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/13/2014

QC (Batch Specific)

---------- Sample No: BH39586, QA/QC Batch: 292085 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd4 11/13/14-1 (BH39705)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 20% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: NoneThe initial calibration (PS1111AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS1111BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:
N13B054 - 4,4'-DDT (-17%), Endrin (-17%)
A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name Carol Eddy
Position: Chemist
Date: 11/13/2014

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

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RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

QC Comments: QC Batch 292089 11/12/14 (BH39705)

NA = Due to matrix interference caused by the presence of PCBs in the unspiked sample several MS/MSD spike recoveries could not be reported.

QC (Batch Specific)

---------- Sample No: BH39788, QA/QC Batch: 292089 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 292088 (Samples: BH39705): -----

The LCS and/or LCSD recoveries for one or more analytes is below the method criteria. A low bias for these analytes is possible. (Benzoic Acid)

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (2-Nitroaniline, 3-Nitroaniline)

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is possible. (2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (Carbazole)

Instrument: Chem05 11/12/14-1 (BH39705)

Initial Calibration Verification (CHEM05/SV_1105):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (37%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM05/1112_04-SV_1105):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 3-nitroaniline (52%)[30%], Benzidine (80%)[30%]
The following compounds did not meet maximum % deviations: 3-nitroaniline (52%)[40%], Benzidine (80%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.083)[0.1], Hexachlorobenzene (.083)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 11/12/2014

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RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

QC (Batch Specific)

---------- Sample No: BH39797, QA/QC Batch: 292088 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(12%), 2-Nitroaniline(135%), 3-Nitroaniline(158%), 4,6-Dinitro-2-methylphenol(28%), Benzidine(24%), Benzoic Acid(10%), Carbazole(153%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 3-Nitroaniline(154%), 4,6-Dinitro-2-methylphenol(21%), Benzidine(22%), Benzoic Acid(11%), Carbazole(147%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 292339 (Samples: BH39705): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Chloromethane)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (Dichlorodifluoromethane)

The LCS/LCSD RPD for one or more analytes exceeds the method criteria. These analytes were not reported in the samples, therefore no sample variability is suspected. (Dichlorodifluoromethane)

Instrument: Chem03 11/13/14-1 (BH39705)

Initial Calibration Verification (CHEM03/RCPS_1113):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromoform (21%), Styrene (21%), trans-1,4-Dichloro-2-butene (24%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/1113L12-RCPS_1113):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 11/13/2014

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

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RCP Certification Report

December 01, 2014

SDG I.D.: GBH39705

QC (Batch Specific)

---------- Sample No: BH39822, QA/QC Batch: 292339 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Chloromethane(137%), Dichlorodifluoromethane(184%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Dichlorodifluoromethane(38.2%)

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

1 of 1

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- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1657

- ☐ 1 Day*
- ☐ 2 Days*
- ☐ 3 Days*
- ☒ Standard (5 days)
- ☐ Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Kathleen Pune

Invoice To: Sarah Owens

P.O. No.: 20110979.A2E

Sampler's Signature: [signature] Date: 11-12-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	ETPH	8260 Total Halogens	1010 Flashpoint	8270 full semi-volatile org compounds	8082 - PCB's	Total RCRA-8 Total metals	8081 - Total Pesticides	Cyanide	[redacted]	9045 - Paint Filter	Soil VOA Vial, [ ] water	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] 250 ml	Plastic - As is, [ ] 250 ml	Plastic - H_2SO_4 [ ] 500 [ ] 1000 ml	Plastic - HNO_3, [ ] 250 ml	Plastic - NaOH, 250 ml	Plastic - $Na(SO_4)_2$ [ ] Filtered [ ] Unfiltered	Comments
1					111286-01	S	11-12-14	0820	X	X	X	X	X	X	X	X	X			1										39705

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	11-12-14	15:00
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: 5-pt Composite Sample From Transformer Vault Excavated Soil Pile

Linda - Phoenixlabs

From: Kathleen Pane [KPane@fando.com]
Sent: Thursday, November 20, 2014 5:27 PM
To: Linda - Phoenixlabs (linda@phoenixlabs.com)
Subject: Discovery-TCLP RCRA 8
Attachments: Lab soil samples phoenix.pdf

Linda,
Please see attached. Would also like TCLP RCRA 8 as well. 2 day TAT please.

Thanks

Kathleen Pane
Project Manager
Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040
860.646.2469 x5585 | kpane@fando.com | fax: 860.649.6883 | cell: 860.510.9290
www.fando.com | twitter | facebook | linkedin

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CELEBRATING 90 YEARS

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PHOENIX
Environmental Laboratories, Inc.

Soil

Monday, November 17, 2014

Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BH39706

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

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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

SDG Comments

November 17, 2014

SDG I.D.: GBH39706

BH39706 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

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

Analysis Report

November 17, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	8:35
Location Code:	F&OENVIR	Received by:	SW	11/12/14	15:06
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBH39706
Phoenix ID: BH39706

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	11/12/14	I	E160.3
Halogenated Volatiles						
1,1,1,2-Tetrachloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,1,1-Trichloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,1,2-Trichloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,1-Dichloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,1-Dichloroethene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,2,3-Trichloropropane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichlorobenzene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,2-Dichloropropane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,3-Dichlorobenzene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
1,4-Dichlorobenzene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Bromobenzene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Bromodichloromethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Bromoform	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Bromomethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Carbon tetrachloride	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Chlorobenzene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Chloroethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Chloroform	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Chloromethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Dibromochloromethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Dibromomethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260

Project ID: DISCOVERY ACADEMY
Client ID: 1112BG-02

Phoenix I.D.: BH39706

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Dichlorodifluoromethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Methylene chloride	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Tetrachloroethene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Trichloroethene	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Trichlorofluoromethane	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
Vinyl chloride	ND	0.0059	mg/Kg	11/13/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	99		%	11/13/14	JLI	70 - 130 %
% Bromofluorobenzene	91		%	11/13/14	JLI	70 - 130 %
% Dibromofluoromethane	93		%	11/13/14	JLI	70 - 130 %
% Toluene-d8	105		%	11/13/14	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 17, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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

QA/QC Report

November 17, 2014

QA/QC Data

SDG I.D.: GBH39706

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 292339, QC Sample No: BH39822 (BH39706)										
Volatiles - Solid										
1,1,1,2-Tetrachloroethane	ND	100	113	12.2	112	116	3.5	70 - 130	30	
1,1,1-Trichloroethane	ND	97	111	13.5	113	113	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	103	1.0	117	114	2.6	70 - 130	30	
1,1,2-Trichloroethane	ND	93	103	10.2	107	107	0.0	70 - 130	30	
1,1-Dichloroethane	ND	94	109	14.8	113	115	1.8	70 - 130	30	
1,1-Dichloroethene	ND	97	116	17.8	122	126	3.2	70 - 130	30	
1,2,3-Trichloropropane	ND	96	103	7.0	113	113	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	94	95	1.1	104	105	1.0	70 - 130	30	
1,2-Dichloroethane	ND	98	110	11.5	109	114	4.5	70 - 130	30	
1,2-Dichloropropane	ND	96	108	11.8	110	114	3.6	70 - 130	30	
1,3-Dichlorobenzene	ND	93	87	6.7	104	106	1.9	70 - 130	30	
1,4-Dichlorobenzene	ND	93	85	9.0	102	104	1.9	70 - 130	30	
Bromobenzene	ND	97	105	7.9	113	116	2.6	70 - 130	30	
Bromodichloromethane	ND	101	113	11.2	110	116	5.3	70 - 130	30	
Bromoform	ND	104	113	8.3	112	110	1.8	70 - 130	30	
Bromomethane	ND	106	129	19.6	106	105	0.9	70 - 130	30	
Carbon tetrachloride	ND	94	108	13.9	113	116	2.6	70 - 130	30	
Chlorobenzene	ND	95	103	8.1	111	111	0.0	70 - 130	30	
Chloroethane	ND	99	118	17.5	119	128	7.3	70 - 130	30	
Chloroform	ND	95	111	15.5	111	115	3.5	70 - 130	30	
Chloromethane	ND	101	137	30.3	103	107	3.8	70 - 130	30	l
cis-1,2-Dichloroethene	ND	95	112	16.4	112	112	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	108	4.7	105	109	3.7	70 - 130	30	
Dibromochloromethane	ND	100	115	14.0	115	114	0.9	70 - 130	30	
Dibromomethane	ND	96	107	10.8	107	110	2.8	70 - 130	30	
Dichlorodifluoromethane	ND	125	184	38.2	148	149	0.7	70 - 130	30	l,m,r
Methylene chloride	ND	94	108	13.9	106	107	0.9	70 - 130	30	
Tetrachloroethene	ND	96	97	1.0	113	114	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	96	109	12.7	110	116	5.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	104	1.9	105	106	0.9	70 - 130	30	
Trichloroethene	ND	94	110	15.7	107	110	2.8	70 - 130	30	
Trichlorofluoromethane	ND	96	115	18.0	120	129	7.2	70 - 130	30	
Vinyl chloride	ND	102	129	23.4	116	117	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	99	100	1.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	96	101	101	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	96	100	98	2.0	95	100	5.1	70 - 130	30	
% Toluene-d8	105	100	97	3.0	96	99	3.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Data

SDG I.D.: GBH39706

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
November 17, 2014

Monday, November 17, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBH39706 - FOENVIR

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BH39706

Sampling Date(s): 11/12/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☐ 8082 ☐ 8151 ☑ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☐ Yes ☑ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Monday, November 17, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

Nov 2007

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

RCP Certification Report

November 17, 2014

SDG I.D.: GBH39706

BH39706 - The following analytes from the 8260 RCP Volatile list were not reported: 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chlorotoluene, 2-Hexanone, 4-Chlorotoluene, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzene, Carbon Disulfide, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m&p-Xylene, Methyl Ethyl Ketone, Methyl t-butyl ether (MTBE), n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Xylene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran (THF), Toluene, trans-1,4-dichloro-2-butene, Trichlorotrifluoroethane.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 292339 (Samples: BH39706): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Chloromethane)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (Dichlorodifluoromethane)

The LCS/LCSD RPD for one or more analytes exceeds the method criteria. These analytes were not reported in the samples, therefore no sample variability is suspected. (Dichlorodifluoromethane)

Instrument: Chem03 11/13/14-1 (BH39706)

Initial Calibration Verification (CHEM03/RCPS_1113):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromoform (21%), Styrene (21%), trans-1,4-Dichloro-2-butene (24%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/1113L12-RCPS_1113):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 11/13/2014

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 17, 2014

SDG I.D.: GBH39706

QC (Batch Specific)

---------- Sample No: BH39822, QA/QC Batch: 292339 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Chloromethane(137%), Dichlorodifluoromethane(184%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: Dichlorodifluoromethane(38.2%)

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

1 of 1
ID

FUSS & O'NEILL ENVIROSCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

1822

☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Kathleen Pure
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 11-12-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request: 8260 - VOC's / Halogenated VOC's	Containers: Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container (4) oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					112B6-02	S	11-12-14	0835	X				1								39706

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	11-12-14	15:06
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Discrete Sample From Transformer Vault Excavated Soil Pile

PHOENIX

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

Analysis Report

September 05, 2014

FOR: Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/02/14	8:10
Location Code:	F&OENVIRPCB	Received by:	LB	09/02/14	10:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979.A2E				

Laboratory Data

SDG ID: GBH02210
Phoenix ID: BH02211

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-02

Parameter	Result		RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.33		0.33	mg/Kg	09/03/14	EK	SW6010	
Arsenic	1.9		0.7	mg/Kg	09/03/14	EK	SW6010	
Barium	77.8		0.33	mg/Kg	09/03/14	EK	SW6010	
Cadmium	< 0.33		0.33	mg/Kg	09/03/14	EK	SW6010	
Chromium	19.5		0.33	mg/Kg	09/03/14	EK	SW6010	
Mercury	< 0.06		0.06	mg/Kg	09/03/14	MA	SW-7471	
Lead	19.1		0.33	mg/Kg	09/03/14	EK	SW6010	
Selenium	< 1.3		1.3	mg/Kg	09/03/14	EK	SW6010	
TCLP Silver	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Arsenic	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Barium	0.63	B	0.10	mg/L	09/03/14	EK	SW6010	B
TCLP Cadmium	< 0.050		0.050	mg/L	09/03/14	EK	SW6010	
TCLP Chromium	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Mercury	< 0.0002		0.0002	mg/L	09/03/14	MA	SW7470	
TCLP Lead	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Selenium	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Metals Digestion	Completed				09/03/14	I/I	SW3005	
Percent Solid	96			%	09/02/14	I	E160.3	
Flash Point	>200		200	degree F	09/03/14	Y	SW1010	
Ignitability	Passed		140	degree F	09/03/14	Y	SW1030	
pH - Soil	8.67		0.10	pH Units	09/02/14 20:00	DH/KDB	4500-H B/9045	
Reactivity Cyanide	< 4.9		4.9	mg/Kg	09/02/14	O/EG	SW 846-7.3	
Reactivity Sulfide	< 20		20	mg/Kg	09/03/14	EG	SW846-7.3	
Reactivity	Negative			Pos/Neg	09/03/14	EG	SW 846-7.3	
Soil Extraction for Pesticide	Completed				09/02/14	BB/H	SW3545	
Soil Extraction for SVOA	Completed				09/02/14	JJ/VH	SW3545	
Mercury Digestion	Completed				09/03/14	I/I	SW7471	
Paint Filter Test	Passed			PASS/FAIL	09/02/14	J	SW9095	

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-02

Phoenix I.D.: BH02211

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed			09/02/14	P/W	SW8151
Extraction for PCB	Completed			09/02/14	PP/GX	SW3540C
TCLP Digestion Mercury	Completed			09/03/14	I/I	E1311/7470
TCLP Extraction for Metals	Completed			09/02/14	I	EPA 1311
Total Metals Digest	Completed			09/02/14	CB/AG	SW846 - 3050
Chlorinated Herbicides						
2,4,5-T	ND	43	ug/Kg	09/03/14	BB	SW8151
2,4,5-TP (Silvex)	ND	43	ug/Kg	09/03/14	BB	SW8151
2,4-D	ND	43	ug/Kg	09/03/14	BB	SW8151
2,4-DB	ND	430	ug/Kg	09/03/14	BB	SW8151
Dalapon	ND	43	ug/Kg	09/03/14	BB	SW8151
Dicamba	ND	86	ug/Kg	09/03/14	BB	SW8151
Dichloroprop	ND	43	ug/Kg	09/03/14	BB	SW8151
Dinoseb	ND	86	ug/Kg	09/03/14	BB	SW8151
QA/QC Surrogates						
% DCAA	69		%	09/03/14	BB	30 - 150 %
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1260	1.2	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	09/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	09/03/14	AW	30 - 150 %
% TCMX	93		%	09/03/14	AW	30 - 150 %
Pesticides						
4,4' -DDD	ND	6.5	ug/Kg	09/03/14	CE	SW8081
4,4' -DDE	ND	6.5	ug/Kg	09/03/14	CE	SW8081
4,4' -DDT	ND	50	ug/Kg	09/03/14	CE	SW8081
a-BHC	ND	3.2	ug/Kg	09/03/14	CE	SW8081
Alachlor	ND	3.2	ug/Kg	09/03/14	CE	SW8081
Aldrin	ND	1.0	ug/Kg	09/03/14	CE	SW8081
b-BHC	ND	3.2	ug/Kg	09/03/14	CE	SW8081
Chlordane	150	34	ug/Kg	09/03/14	CE	SW8081
d-BHC	ND	3.2	ug/Kg	09/03/14	CE	SW8081
Dieldrin	ND	20	ug/Kg	09/03/14	CE	SW8081
Endosulfan I	ND	3.2	ug/Kg	09/03/14	CE	SW8081
Endosulfan II	ND	8.0	ug/Kg	09/03/14	CE	SW8081
Endosulfan sulfate	ND	20	ug/Kg	09/03/14	CE	SW8081
Endrin	ND	6.5	ug/Kg	09/03/14	CE	SW8081
Endrin aldehyde	ND	6.5	ug/Kg	09/03/14	CE	SW8081
Endrin ketone	ND	30	ug/Kg	09/03/14	CE	SW8081
g-BHC	ND	1.0	ug/Kg	09/03/14	CE	SW8081

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Heptachlor	ND	2.0	ug/Kg	09/03/14	CE	SW8081
Heptachlor epoxide	ND	3.2	ug/Kg	09/03/14	CE	SW8081
Methoxychlor	ND	32	ug/Kg	09/03/14	CE	SW8081
Toxaphene	ND	170	ug/Kg	09/03/14	CE	SW8081
QA/QC Surrogates						
% DCBP	113		%	09/03/14	CE	30 - 150 %
% TCMX	107		%	09/03/14	CE	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2-Dibromoethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
2-Hexanone	ND	26	ug/Kg	09/03/14	JLI	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	09/03/14	JLI	SW8260
Acetone	ND	26	ug/Kg	09/03/14	JLI	SW8260
Acrylonitrile	ND	10	ug/Kg	09/03/14	JLI	SW8260
Benzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Bromobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Bromochloromethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Bromoform	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Bromomethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Chlorobenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Chloroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Chloroform	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Chloromethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Dibromochloromethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Dibromomethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Ethylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
m&p-Xylene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	09/03/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	09/03/14	JLI	SW8260
Methylene chloride	ND	10	ug/Kg	09/03/14	JLI	SW8260
Naphthalene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
o-Xylene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Styrene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	09/03/14	JLI	SW8260
Toluene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Total Xylenes	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	09/03/14	JLI	SW8260
Trichloroethene	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
Vinyl chloride	ND	5.2	ug/Kg	09/03/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	95		%	09/03/14	JLI	70 - 130 %
% Bromofluorobenzene	96		%	09/03/14	JLI	70 - 130 %
% Dibromofluoromethane	102		%	09/03/14	JLI	70 - 130 %
% Toluene-d8	96		%	09/03/14	JLI	70 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	09/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	550	ug/Kg	09/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	09/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	09/02/14	DD	SW 8270

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-02

Phoenix I.D.: BH02211

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2-Chloronaphthalene	ND	240	ug/Kg	09/02/14	DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	09/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	09/02/14	DD	SW 8270
2-Nitroaniline	ND	550	ug/Kg	09/02/14	DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	09/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	09/02/14	DD	SW 8270
3-Nitroaniline	ND	550	ug/Kg	09/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	09/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	09/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	09/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	09/02/14	DD	SW 8270
4-Nitroaniline	ND	550	ug/Kg	09/02/14	DD	SW 8270
4-Nitrophenol	ND	990	ug/Kg	09/02/14	DD	SW 8270
Acenaphthene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Acetophenone	ND	240	ug/Kg	09/02/14	DD	SW 8270
Aniline	ND	990	ug/Kg	09/02/14	DD	SW 8270
Anthracene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Benz(a)anthracene	440	240	ug/Kg	09/02/14	DD	SW 8270
Benzidine	ND	410	ug/Kg	09/02/14	DD	SW 8270
Benzo(a)pyrene	360	240	ug/Kg	09/02/14	DD	SW 8270
Benzo(b)fluoranthene	450	240	ug/Kg	09/02/14	DD	SW 8270
Benzo(ghi)perylene	320	240	ug/Kg	09/02/14	DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Benzoic acid	ND	990	ug/Kg	09/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	09/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	09/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	09/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	09/02/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	09/02/14	DD	SW 8270
Carbazole	ND	510	ug/Kg	09/02/14	DD	SW 8270
Chrysene	440	240	ug/Kg	09/02/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	09/02/14	DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	09/02/14	DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	09/02/14	DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	09/02/14	DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	09/02/14	DD	SW 8270
Fluoranthene	720	240	ug/Kg	09/02/14	DD	SW 8270
Fluorene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	09/02/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Isophorone	ND	240	ug/Kg	09/02/14	DD	SW 8270

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-02

Phoenix I.D.: BH02211

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Naphthalene	ND	240	ug/Kg	09/02/14	DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	09/02/14	DD	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	09/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	09/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	09/02/14	DD	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	09/02/14	DD	SW 8270
Pentachlorophenol	ND	340	ug/Kg	09/02/14	DD	SW 8270
Phenanthrene	310	240	ug/Kg	09/02/14	DD	SW 8270
Phenol	ND	240	ug/Kg	09/02/14	DD	SW 8270
Pyrene	650	240	ug/Kg	09/02/14	DD	SW 8270
Pyridine	ND	340	ug/Kg	09/02/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	85		%	09/02/14	DD	30 - 130 %
% 2-Fluorobiphenyl	89		%	09/02/14	DD	30 - 130 %
% 2-Fluorophenol	75		%	09/02/14	DD	30 - 130 %
% Nitrobenzene-d5	77		%	09/02/14	DD	30 - 130 %
% Phenol-d5	78		%	09/02/14	DD	30 - 130 %
% Terphenyl-d14	82		%	09/02/14	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Pesticide Comment:
Due to the presence of PCBs and Chlordane in the sample, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
September 05, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

September 05, 2014

FOR: Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/02/14	8:20
Location Code:	F&OENVIRPCB	Received by:	LB	09/02/14	10:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	20110979.A2E				

Laboratory Data

SDG ID: GBH02210
Phoenix ID: BH02212

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-03

Parameter	Result		RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.33		0.33	mg/Kg	09/03/14	EK	SW6010	
Arsenic	2.3		0.7	mg/Kg	09/03/14	EK	SW6010	
Barium	129		0.33	mg/Kg	09/03/14	EK	SW6010	
Cadmium	< 0.33		0.33	mg/Kg	09/03/14	EK	SW6010	
Chromium	29.3		0.33	mg/Kg	09/03/14	EK	SW6010	
Mercury	< 0.08		0.08	mg/Kg	09/03/14	MA	SW-7471	
Lead	25.9		0.33	mg/Kg	09/03/14	EK	SW6010	
Selenium	< 1.3		1.3	mg/Kg	09/03/14	EK	SW6010	
TCLP Silver	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Arsenic	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Barium	0.62	B	0.10	mg/L	09/03/14	EK	SW6010	B
TCLP Cadmium	< 0.050		0.050	mg/L	09/03/14	EK	SW6010	
TCLP Chromium	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Mercury	< 0.0002		0.0002	mg/L	09/03/14	MA	SW7470	
TCLP Lead	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Selenium	< 0.10		0.10	mg/L	09/03/14	EK	SW6010	
TCLP Metals Digestion	Completed				09/03/14	I/I	SW3005	
Percent Solid	91			%	09/02/14	I	E160.3	
Flash Point	>200		200	degree F	09/03/14	Y	SW1010	
Ignitability	Passed		140	degree F	09/03/14	Y	SW1030	
pH - Soil	8.43		0.10	pH Units	09/02/14 20:00	DH/KDB	4500-H B/9045	
Reactivity Cyanide	< 5.4		5.4	mg/Kg	09/02/14	O/EG	SW 846-7.3	
Reactivity Sulfide	< 20		20	mg/Kg	09/03/14	EG	SW846-7.3	
Reactivity	Negative			Pos/Neg	09/03/14	EG	SW 846-7.3	
Soil Extraction for Pesticide	Completed				09/02/14	BB/H	SW3545	
Soil Extraction for SVOA	Completed				09/02/14	JJ/VH	SW3545	
Mercury Digestion	Completed				09/03/14	I/I	SW7471	
Paint Filter Test	Passed			PASS/FAIL	09/02/14	J	SW9095	

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-03

Phoenix I.D.: BH02212

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for Herbicide	Completed			09/02/14	P/W	SW8151
Extraction for PCB	Completed			09/02/14	PP/GX	SW3540C
TCLP Digestion Mercury	Completed			09/03/14	I/I	E1311/7470
TCLP Extraction for Metals	Completed			09/02/14	I	EPA 1311
Total Metals Digest	Completed			09/02/14	CB/AG	SW846 - 3050
Chlorinated Herbicides						
2,4,5-T	ND	45	ug/Kg	09/03/14	BB	SW8151
2,4,5-TP (Silvex)	ND	45	ug/Kg	09/03/14	BB	SW8151
2,4-D	ND	45	ug/Kg	09/03/14	BB	SW8151
2,4-DB	ND	450	ug/Kg	09/03/14	BB	SW8151
Dalapon	ND	45	ug/Kg	09/03/14	BB	SW8151
Dicamba	ND	90	ug/Kg	09/03/14	BB	SW8151
Dichloroprop	ND	45	ug/Kg	09/03/14	BB	SW8151
Dinoseb	ND	90	ug/Kg	09/03/14	BB	SW8151
QA/QC Surrogates						
% DCAA	70		%	09/03/14	BB	30 - 150 %
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	09/03/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	09/03/14	AW	30 - 150 %
% TCMX	93		%	09/03/14	AW	30 - 150 %
Pesticides						
4,4' -DDD	ND	7.0	ug/Kg	09/03/14	CE	SW8081
4,4' -DDE	ND	7.0	ug/Kg	09/03/14	CE	SW8081
4,4' -DDT	ND	7.0	ug/Kg	09/03/14	CE	SW8081
a-BHC	ND	3.5	ug/Kg	09/03/14	CE	SW8081
Alachlor	ND	3.5	ug/Kg	09/03/14	CE	SW8081
Aldrin	ND	1.1	ug/Kg	09/03/14	CE	SW8081
b-BHC	ND	3.5	ug/Kg	09/03/14	CE	SW8081
Chlordane	120	36	ug/Kg	09/03/14	CE	SW8081
d-BHC	ND	3.5	ug/Kg	09/03/14	CE	SW8081
Dieldrin	ND	15	ug/Kg	09/03/14	CE	SW8081
Endosulfan I	ND	3.5	ug/Kg	09/03/14	CE	SW8081
Endosulfan II	ND	7.0	ug/Kg	09/03/14	CE	SW8081
Endosulfan sulfate	ND	7.0	ug/Kg	09/03/14	CE	SW8081
Endrin	ND	7.0	ug/Kg	09/03/14	CE	SW8081
Endrin aldehyde	ND	7.0	ug/Kg	09/03/14	CE	SW8081
Endrin ketone	ND	8.5	ug/Kg	09/03/14	CE	SW8081
g-BHC	ND	1.1	ug/Kg	09/03/14	CE	SW8081

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Heptachlor	ND	2.2	ug/Kg	09/03/14	CE	SW8081
Heptachlor epoxide	ND	4.0	ug/Kg	09/03/14	CE	SW8081
Methoxychlor	ND	35	ug/Kg	09/03/14	CE	SW8081
Toxaphene	ND	180	ug/Kg	09/03/14	CE	SW8081
QA/QC Surrogates						
% DCBP	113		%	09/03/14	CE	30 - 150 %
% TCMX	102		%	09/03/14	CE	30 - 150 %
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
2-Hexanone	ND	27	ug/Kg	09/03/14	JLI	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	09/03/14	JLI	SW8260
Acetone	ND	27	ug/Kg	09/03/14	JLI	SW8260
Acrylonitrile	ND	11	ug/Kg	09/03/14	JLI	SW8260
Benzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Bromobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Bromochloromethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Bromoform	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Bromomethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Chlorobenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Chloroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Chloroform	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Chloromethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-03

Phoenix I.D.: BH02212

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Dibromochloromethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Dibromomethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Ethylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
m&p-Xylene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	09/03/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	09/03/14	JLI	SW8260
Methylene chloride	ND	10	ug/Kg	09/03/14	JLI	SW8260
Naphthalene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
o-Xylene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Styrene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	09/03/14	JLI	SW8260
Toluene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Total Xylenes	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	09/03/14	JLI	SW8260
Trichloroethene	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
Vinyl chloride	ND	5.5	ug/Kg	09/03/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	95		%	09/03/14	JLI	70 - 130 %
% Bromofluorobenzene	96		%	09/03/14	JLI	70 - 130 %
% Dibromofluoromethane	100		%	09/03/14	JLI	70 - 130 %
% Toluene-d8	94		%	09/03/14	JLI	70 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	09/03/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
2,4-Dinitrophenol	ND	570	ug/Kg	09/03/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	09/03/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	09/03/14	DD	SW 8270

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-03

Phoenix I.D.: BH02212

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
2-Chloronaphthalene	ND	250	ug/Kg	09/03/14	DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	09/03/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	09/03/14	DD	SW 8270
2-Nitroaniline	ND	570	ug/Kg	09/03/14	DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	09/03/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	09/03/14	DD	SW 8270
3-Nitroaniline	ND	570	ug/Kg	09/03/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/03/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	09/03/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	09/03/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	09/03/14	DD	SW 8270
4-Nitroaniline	ND	570	ug/Kg	09/03/14	DD	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/03/14	DD	SW 8270
Acenaphthene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Acetophenone	ND	250	ug/Kg	09/03/14	DD	SW 8270
Aniline	ND	1000	ug/Kg	09/03/14	DD	SW 8270
Anthracene	350	250	ug/Kg	09/03/14	DD	SW 8270
Benz(a)anthracene	1100	250	ug/Kg	09/03/14	DD	SW 8270
Benzidine	ND	430	ug/Kg	09/03/14	DD	SW 8270
Benzo(a)pyrene	1100	250	ug/Kg	09/03/14	DD	SW 8270
Benzo(b)fluoranthene	1200	250	ug/Kg	09/03/14	DD	SW 8270
Benzo(ghi)perylene	750	250	ug/Kg	09/03/14	DD	SW 8270
Benzo(k)fluoranthene	460	250	ug/Kg	09/03/14	DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/03/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	09/03/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	09/03/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	09/03/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	09/03/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	09/03/14	DD	SW 8270
Carbazole	ND	540	ug/Kg	09/03/14	DD	SW 8270
Chrysene	1200	250	ug/Kg	09/03/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	09/03/14	DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	09/03/14	DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	09/03/14	DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	09/03/14	DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	09/03/14	DD	SW 8270
Fluoranthene	2000	250	ug/Kg	09/03/14	DD	SW 8270
Fluorene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	09/03/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	590	250	ug/Kg	09/03/14	DD	SW 8270
Isophorone	ND	250	ug/Kg	09/03/14	DD	SW 8270

Project ID: DISCOVERY ACADEMY
Client ID: 090214-BG-03

Phoenix I.D.: BH02212

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Naphthalene	ND	250	ug/Kg	09/03/14	DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	09/03/14	DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	09/03/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	09/03/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	09/03/14	DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	09/03/14	DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	09/03/14	DD	SW 8270
Phenanthrene	1500	250	ug/Kg	09/03/14	DD	SW 8270
Phenol	ND	250	ug/Kg	09/03/14	DD	SW 8270
Pyrene	1700	250	ug/Kg	09/03/14	DD	SW 8270
Pyridine	ND	360	ug/Kg	09/03/14	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	76		%	09/03/14	DD	30 - 130 %
% 2-Fluorobiphenyl	83		%	09/03/14	DD	30 - 130 %
% 2-Fluorophenol	65		%	09/03/14	DD	30 - 130 %
% Nitrobenzene-d5	68		%	09/03/14	DD	30 - 130 %
% Phenol-d5	69		%	09/03/14	DD	30 - 130 %
% Terphenyl-d14	69		%	09/03/14	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Pesticide Comment:
Due to the presence of PCBs and Chlordane in the sample, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 05, 2014
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

September 05, 2014

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 285000, QC Sample No: BH02127 (BH02210, BH02211)												
Mercury - Soil	BRL	0.15	0.13	NC	94.1	91.4	2.9	91.7	97.8	6.4	70 - 130	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 285003, QC Sample No: BH02162 (BH02210, BH02211, BH02212)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	111	109	1.8	103	98.3	4.7	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 284957, QC Sample No: BH02211 (BH02210, BH02211, BH02212)												
ICP Metals - Soil												
Arsenic	BRL	1.9	1.43	NC	104	104	0.0	104	99.7	4.2	75 - 125	30
Barium	BRL	77.8	94.4	19.3	105	104	1.0	113	108	4.5	75 - 125	30
Cadmium	BRL	<0.33	<0.31	NC	106	108	1.9	104	99.7	4.2	75 - 125	30
Chromium	BRL	19.5	20.8	6.50	106	107	0.9	106	102	3.8	75 - 125	30
Lead	BRL	19.1	23.0	18.5	104	105	1.0	104	101	2.9	75 - 125	30
Selenium	BRL	<1.3	<1.3	NC	94.9	98.6	3.8	96.9	93.1	4.0	75 - 125	30
Silver	BRL	<0.33	<0.31	NC	102	105	2.9	106	102	3.8	75 - 125	30
QA/QC Batch 285004, QC Sample No: BH02590 (BH02210, BH02211, BH02212)												
ICP Metals - TCLP Extraction												
Arsenic	BRL	<0.01	<0.01	NC	107	106	0.9	105	104	1.0	75 - 125	20
Barium	0.02	0.03	0.03	NC	97.5	96.4	1.1	96.3	96.2	0.1	75 - 125	20
Cadmium	BRL	<0.005	<0.005	NC	104	103	1.0	102	102	0.0	75 - 125	20
Chromium	BRL	<0.010	<0.010	NC	101	99.9	1.1	101	101	0.0	75 - 125	20
Lead	BRL	<0.010	<0.010	NC	102	101	1.0	100	100	0.0	75 - 125	20
Selenium	BRL	<0.01	<0.01	NC	110	110	0.0	108	107	0.9	75 - 125	20
Silver	BRL	<0.010	<0.010	NC	104	103	1.0	104	103	1.0	75 - 125	20
QA/QC Batch 285001, QC Sample No: BH02795 (BH02212)												
Mercury - Soil	BRL	<0.07	<0.07	NC	92.4	98.3	6.2	101	92.5	8.8	70 - 130	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												

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QA/QC Report

September 05, 2014

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 284893, QC Sample No: BG99723 (BH02210, BH02211, BH02212)												
Reactivity Cyanide	BRL	<5.3	<4.6	NC	102			79.3			85 - 115	30
QA/QC Batch 284997, QC Sample No: BH02210 (BH02210, BH02211, BH02212)												
pH - Soil		8.58	8.61	0.30	98.1						85 - 115	20
QA/QC Batch 284995, QC Sample No: BH02212 (BH02210, BH02211, BH02212)												
Flash Point		>200	>200	NC	100						85 - 115	30

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QA/QC Report

September 05, 2014

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 284825, QC Sample No: BH02001 (BH02210, BH02211, BH02212)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	86	88	2.3	75	82	8.9	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	94	2.2	79	87	9.6	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	59	111	110	0.9	94	99	5.2	30 - 150	30
% TCMX (Surrogate Rec)	46	104	98	5.9	90	92	2.2	30 - 150	30
QA/QC Batch 284982, QC Sample No: BH02210 (BH02210, BH02211, BH02212)									
Chlorinated Herbicides - Soil									
2,4,5-T	ND	70	69	1.4	64	69	7.5	40 - 140	30
2,4,5-TP (Silvex)	ND	69	67	2.9	62	68	9.2	40 - 140	30
2,4-D	ND	70	63	10.5	77	66	15.4	40 - 140	30
2,4-DB	ND	67	68	1.5	68	70	2.9	40 - 140	30
Dalapon	ND	49	45	8.5	37	36	2.7	40 - 140	30
Dicamba	ND	71	67	5.8	62	71	13.5	40 - 140	30
Dichloroprop	ND	69	65	6.0	61	68	10.9	40 - 140	30
Dinoseb	ND	64	60	6.5	65	69	6.0	40 - 140	30
% DCAA (Surrogate Rec)	73	64	60	6.5	57	63	10.0	30 - 150	30
QA/QC Batch 285078, QC Sample No: BH02210 (BH02210 (50, 1X) , BH02211, BH02212)									
Volatiles - Soil									
1,1,1,2-Tetrachloroethane	ND	102	102	0.0	98	98	0.0	70 - 130	30
1,1,1-Trichloroethane	ND	102	101	1.0	103	94	9.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	99	101	2.0	88	93	5.5	70 - 130	30
1,1,2-Trichloroethane	ND	103	104	1.0	99	101	2.0	70 - 130	30
1,1-Dichloroethane	ND	102	100	2.0	98	95	3.1	70 - 130	30
1,1-Dichloroethene	ND	103	102	1.0	97	85	13.2	70 - 130	30
1,1-Dichloropropene	ND	101	101	0.0	103	96	7.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	99	105	5.9	93	107	14.0	70 - 130	30
1,2,3-Trichloropropane	ND	91	97	6.4	89	93	4.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	97	102	5.0	94	106	12.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	91	94	3.2	98	97	1.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	102	111	8.5	87	92	5.6	70 - 130	30
1,2-Dibromoethane	ND	105	106	0.9	99	101	2.0	70 - 130	30
1,2-Dichlorobenzene	ND	93	94	1.1	91	94	3.2	70 - 130	30
1,2-Dichloroethane	ND	102	103	1.0	101	99	2.0	70 - 130	30
1,2-Dichloropropane	ND	104	105	1.0	100	98	2.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	96	98	2.1	97	95	2.1	70 - 130	30	
1,3-Dichlorobenzene	ND	93	97	4.2	97	97	0.0	70 - 130	30	
1,3-Dichloropropane	ND	98	100	2.0	97	95	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	90	93	3.3	93	95	2.1	70 - 130	30	
2,2-Dichloropropane	ND	102	99	3.0	99	92	7.3	70 - 130	30	
2-Chlorotoluene	ND	95	96	1.0	95	92	3.2	70 - 130	30	
2-Hexanone	ND	93	97	4.2	86	95	9.9	70 - 130	30	
2-Isopropyltoluene	ND	97	99	2.0	101	98	3.0	70 - 130	30	
4-Chlorotoluene	ND	88	91	3.4	93	92	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	103	106	2.9	98	104	5.9	70 - 130	30	
Acetone	ND	77	81	5.1	61	66	7.9	70 - 130	30	m
Acrylonitrile	ND	98	100	2.0	93	98	5.2	70 - 130	30	
Benzene	ND	103	102	1.0	102	98	4.0	70 - 130	30	
Bromobenzene	ND	96	97	1.0	93	93	0.0	70 - 130	30	
Bromochloromethane	ND	102	103	1.0	97	97	0.0	70 - 130	30	
Bromodichloromethane	ND	112	111	0.9	101	97	4.0	70 - 130	30	
Bromoform	ND	107	109	1.9	97	98	1.0	70 - 130	30	
Bromomethane	ND	94	86	8.9	61	70	13.7	70 - 130	30	m
Carbon Disulfide	ND	104	102	1.9	91	85	6.8	70 - 130	30	
Carbon tetrachloride	ND	104	104	0.0	103	95	8.1	70 - 130	30	
Chlorobenzene	ND	95	95	0.0	98	96	2.1	70 - 130	30	
Chloroethane	ND	99	95	4.1	31	27	13.8	70 - 130	30	m
Chloroform	ND	101	100	1.0	100	95	5.1	70 - 130	30	
Chloromethane	ND	92	91	1.1	89	85	4.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	104	104	0.0	102	94	8.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	109	110	0.9	102	99	3.0	70 - 130	30	
Dibromochloromethane	ND	106	109	2.8	96	95	1.0	70 - 130	30	
Dibromomethane	ND	102	106	3.8	98	100	2.0	70 - 130	30	
Dichlorodifluoromethane	ND	87	85	2.3	95	86	9.9	70 - 130	30	
Ethylbenzene	ND	100	98	2.0	102	97	5.0	70 - 130	30	
Hexachlorobutadiene	ND	93	99	6.3	106	106	0.0	70 - 130	30	
Isopropylbenzene	ND	99	100	1.0	100	97	3.0	70 - 130	30	
m&p-Xylene	ND	97	96	1.0	100	98	2.0	70 - 130	30	
Methyl ethyl ketone	ND	85	98	14.2	87	92	5.6	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	104	105	1.0	95	94	1.1	70 - 130	30	
Methylene chloride	ND	93	93	0.0	86	83	3.6	70 - 130	30	
Naphthalene	ND	113	119	5.2	93	107	14.0	70 - 130	30	
n-Butylbenzene	ND	92	97	5.3	101	99	2.0	70 - 130	30	
n-Propylbenzene	ND	91	93	2.2	99	94	5.2	70 - 130	30	
o-Xylene	ND	104	103	1.0	104	102	1.9	70 - 130	30	
p-Isopropyltoluene	ND	100	104	3.9	107	103	3.8	70 - 130	30	
sec-Butylbenzene	ND	98	100	2.0	98	95	3.1	70 - 130	30	
Styrene	ND	101	100	1.0	102	100	2.0	70 - 130	30	
tert-Butylbenzene	ND	99	100	1.0	101	97	4.0	70 - 130	30	
Tetrachloroethene	ND	98	97	1.0	102	98	4.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	96	102	6.1	95	102	7.1	70 - 130	30	
Toluene	ND	102	102	0.0	104	99	4.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	107	106	0.9	101	92	9.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	110	1.8	102	100	2.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	92	97	5.3	85	91	6.8	70 - 130	30	
Trichloroethene	ND	104	107	2.8	104	98	5.9	70 - 130	30	
Trichlorofluoromethane	ND	92	91	1.1	46	45	2.2	70 - 130	30	m
Trichlorotrifluoroethane	ND	102	101	1.0	105	93	12.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Vinyl chloride	ND	98	95	3.1	97	88	9.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	99	101	2.0	97	99	2.0	70 - 130	30	
% Bromofluorobenzene	99	102	101	1.0	102	100	2.0	70 - 130	30	
% Dibromofluoromethane	102	102	98	4.0	96	98	2.1	70 - 130	30	
% Toluene-d8	97	102	100	2.0	101	100	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 284937, QC Sample No: BH02211 (BH02210, BH02211, BH02212)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	82	90	9.3	79	79	0.0	30 - 130	30	
1,2,4-Trichlorobenzene	ND	80	88	9.5	80	78	2.5	30 - 130	30	
1,2-Dichlorobenzene	ND	68	78	13.7	73	69	5.6	30 - 130	30	
1,2-Diphenylhydrazine	ND	84	91	8.0	78	78	0.0	30 - 130	30	
1,3-Dichlorobenzene	ND	64	73	13.1	71	67	5.8	30 - 130	30	
1,4-Dichlorobenzene	ND	65	73	11.6	70	67	4.4	30 - 130	30	
2,4,5-Trichlorophenol	ND	94	101	7.2	89	91	2.2	30 - 130	30	
2,4,6-Trichlorophenol	ND	95	99	4.1	88	89	1.1	30 - 130	30	
2,4-Dichlorophenol	ND	87	94	7.7	82	81	1.2	30 - 130	30	
2,4-Dimethylphenol	ND	56	59	5.2	56	55	1.8	30 - 130	30	
2,4-Dinitrophenol	ND	37	30	20.9	<10	11	NC	30 - 130	30	m
2,4-Dinitrotoluene	ND	79	87	9.6	74	75	1.3	30 - 130	30	
2,6-Dinitrotoluene	ND	88	94	6.6	82	84	2.4	30 - 130	30	
2-Chloronaphthalene	ND	89	96	7.6	90	88	2.2	30 - 130	30	
2-Chlorophenol	ND	81	88	8.3	77	73	5.3	30 - 130	30	
2-Methylnaphthalene	ND	77	84	8.7	73	73	0.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	82	91	10.4	78	77	1.3	30 - 130	30	
2-Nitroaniline	ND	86	98	13.0	94	95	1.1	30 - 130	30	
2-Nitrophenol	ND	79	83	4.9	74	72	2.7	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	75	82	8.9	72	70	2.8	30 - 130	30	
3,3'-Dichlorobenzidine	ND	125	131	4.7	94	97	3.1	30 - 130	30	l
3-Nitroaniline	ND	88	102	14.7	74	71	4.1	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	70	70	0.0	44	53	18.6	30 - 130	30	
4-Bromophenyl phenyl ether	ND	99	102	3.0	87	86	1.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	89	7.0	77	80	3.8	30 - 130	30	
4-Chloroaniline	ND	47	63	29.1	40	42	4.9	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	83	88	5.8	78	78	0.0	30 - 130	30	
4-Nitroaniline	ND	80	89	10.7	80	80	0.0	30 - 130	30	
4-Nitrophenol	ND	86	95	9.9	88	95	7.7	30 - 130	30	
Acenaphthene	ND	84	92	9.1	83	83	0.0	30 - 130	30	
Acenaphthylene	ND	81	88	8.3	81	81	0.0	30 - 130	30	
Acetophenone	ND	76	82	7.6	74	71	4.1	30 - 130	30	
Aniline	ND	71	86	19.1	59	55	7.0	30 - 130	30	
Anthracene	ND	90	95	5.4	91	89	2.2	30 - 130	30	
Benz(a)anthracene	ND	91	96	5.3	89	92	3.3	30 - 130	30	
Benzidine	ND	>200	>200	NC	80	56	35.3	30 - 130	30	l,r
Benzo(a)pyrene	ND	94	100	6.2	92	91	1.1	30 - 130	30	
Benzo(b)fluoranthene	ND	86	95	9.9	89	91	2.2	30 - 130	30	
Benzo(ghi)perylene	ND	89	96	7.6	102	102	0.0	30 - 130	30	
Benzo(k)fluoranthene	ND	94	94	0.0	84	78	7.4	30 - 130	30	
Benzoic Acid	ND	18	14	25.0	<10	<10	NC	30 - 130	30	l,m
Benzyl butyl phthalate	ND	93	95	2.1	93	92	1.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80	85	6.1	76	72	5.4	30 - 130	30	

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-chloroethyl)ether	ND	69	77	11.0	74	74	0.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	69	76	9.7	68	65	4.5	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	98	97	1.0	99	98	1.0	30 - 130	30	
Carbazole	ND	116	124	6.7	132	127	3.9	30 - 130	30	m
Chrysene	ND	92	97	5.3	89	90	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	89	95	6.5	100	99	1.0	30 - 130	30	
Dibenzofuran	ND	81	89	9.4	80	79	1.3	30 - 130	30	
Diethyl phthalate	ND	86	90	4.5	77	77	0.0	30 - 130	30	
Dimethylphthalate	ND	87	91	4.5	81	82	1.2	30 - 130	30	
Di-n-butylphthalate	ND	99	100	1.0	85	79	7.3	30 - 130	30	
Di-n-octylphthalate	ND	104	99	4.9	75	78	3.9	30 - 130	30	
Fluoranthene	ND	87	100	13.9	116	109	6.2	30 - 130	30	
Fluorene	ND	80	88	9.5	79	80	1.3	30 - 130	30	
Hexachlorobenzene	ND	92	94	2.2	86	84	2.4	30 - 130	30	
Hexachlorobutadiene	ND	77	84	8.7	77	74	4.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	48	55	13.6	23	13	55.6	30 - 130	30	m,r
Hexachloroethane	ND	63	71	11.9	68	62	9.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	90	96	6.5	100	99	1.0	30 - 130	30	
Isophorone	ND	81	87	7.1	77	74	4.0	30 - 130	30	
Naphthalene	ND	79	85	7.3	77	74	4.0	30 - 130	30	
Nitrobenzene	ND	73	80	9.2	71	68	4.3	30 - 130	30	
N-Nitrosodimethylamine	ND	62	73	16.3	59	52	12.6	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	73	78	6.6	68	66	3.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	94	102	8.2	89	90	1.1	30 - 130	30	
Pentachloronitrobenzene	ND	96	98	2.1	89	88	1.1	30 - 130	30	
Pentachlorophenol	ND	93	88	5.5	81	96	16.9	30 - 130	30	
Phenanthrene	ND	91	96	5.3	99	99	0.0	30 - 130	30	
Phenol	ND	86	97	12.0	82	78	5.0	30 - 130	30	
Pyrene	ND	89	101	12.6	113	105	7.3	30 - 130	30	
Pyridine	ND	46	49	6.3	47	40	16.1	30 - 130	30	
% 2,4,6-Tribromophenol	87	89	92	3.3	85	84	1.2	30 - 130	30	
% 2-Fluorobiphenyl	75	86	92	6.7	86	83	3.6	30 - 130	30	
% 2-Fluorophenol	61	77	86	11.0	75	70	6.9	30 - 130	30	
% Nitrobenzene-d5	58	74	81	9.0	72	69	4.3	30 - 130	30	
% Phenol-d5	68	83	92	10.3	79	75	5.2	30 - 130	30	
% Terphenyl-d14	89	95	110	14.6	103	92	11.3	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 284936, QC Sample No: BH02829 (BH02210, BH02211, BH02212)

Pesticides - Soil

4,4' -DDD	ND	84	85	1.2	NC	NC	NC	40 - 140	30	
4,4' -DDE	ND	82	86	4.8	112	93	18.5	40 - 140	30	
4,4' -DDT	ND	85	89	4.6	NC	NC	NC	40 - 140	30	
a-BHC	ND	92	95	3.2	101	97	4.0	40 - 140	30	
a-Chlordane	ND	86	90	4.5	NC	NC	NC	40 - 140	30	
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	85	88	3.5	97	93	4.2	40 - 140	30	
b-BHC	ND	91	93	2.2	94	92	2.2	40 - 140	30	
Chlordane	ND	84	87	3.5	NC	NC	NC	40 - 140	30	
d-BHC	ND	84	80	4.9	96	89	7.6	40 - 140	30	
Dieldrin	ND	85	88	3.5	NC	NC	NC	40 - 140	30	

QA/QC Data

SDG I.D.: GBH02210

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan I	ND	89	87	2.3	90	82	9.3	40 - 140	30
Endosulfan II	ND	82	65	23.1	85	93	9.0	40 - 140	30
Endosulfan sulfate	ND	68	62	9.2	70	69	1.4	40 - 140	30
Endrin	ND	91	94	3.2	103	99	4.0	40 - 140	30
Endrin aldehyde	ND	83	66	22.8	87	95	8.8	40 - 140	30
Endrin ketone	ND	84	83	1.2	88	87	1.1	40 - 140	30
g-BHC	ND	91	93	2.2	105	126	18.2	40 - 140	30
g-Chlordane	ND	84	87	3.5	NC	NC	NC	40 - 140	30
Heptachlor	ND	89	91	2.2	111	105	5.6	40 - 140	30
Heptachlor epoxide	ND	87	90	3.4	83	91	9.2	40 - 140	30
Methoxychlor	ND	88	91	3.4	87	78	10.9	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	92	96	95	1.0	104	115	10.0	30 - 150	30
% TCMX	101	104	105	1.0	100	99	1.0	30 - 150	30

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

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
September 05, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBH02210 - FOENVIRPCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BH02210, BH02211, BH02212

Sampling Date(s): 9/2/2014

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☑ 8151 ☑ 8260 ☑ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ICP Narration, SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Friday, September 05, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: 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

RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

The samples were received by the laboratory less than four hours after collection at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

BH02210, BH02211, BH02212 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Beryllium, Copper, Nickel, Thallium, Vanadium, Zinc.

Herbicide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd12 09/03/14-1 (BH02210, BH02211, BH02212)

Initial Calibration ECD12 -071714
The initial calibration RSD for the compound list was less than 20% except for the following compounds: none

Printed Name Brian B
Position: Chemist
Date: 9/3/2014

QC (Site Specific)

---------- Sample No: BH02210, QA/QC Batch: 284982 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 150 with the following exceptions: None.

All MSD recoveries were within 30 - 150 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 09/03/14-1 (BH02210, BH02211, BH02212)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.

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All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Mike Arsenault
Position: Chemist
Date: 9/3/2014

QC (Batch Specific)

---------- Sample No: BH02127, QA/QC Batch: 285000 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BH02162, QA/QC Batch: 285003 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BH02795, QA/QC Batch: 285001 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 285004 (Samples: BH02210, BH02211, BH02212): -----

A trace amount of TCLP Extraction-Barium was detected in the blank. Due to the concentration in the blank relative to the samples, no bias is suspected.

Instrument: Arcos 09/03/14-1 (BH02210, BH02211, BH02212)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

Printed Name	Laura Kinnin
Position:	Chemist
Date:	9/3/2014

QC (Site Specific)

---------- Sample No: BH02211, QA/QC Batch: 284957 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

---------- Sample No: BH02590, QA/QC Batch: 285004 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd3 09/03/14-1 (BH02210, BH02211, BH02212)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name	Adam Werner
Position:	Chemist
Date:	9/3/2014

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RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

QC (Batch Specific)

---------- Sample No: BH02001, QA/QC Batch: 284825 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd4 09/03/14-1 (BH02210, BH02211, BH02212)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 20% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: None

Printed Name Carol Eddy
Position: Chemist
Date: 9/3/2014

QC Comments: QC Batch 284936 09/02/14 (BH02210, BH02211, BH02212)

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QC (Batch Specific)

---------- Sample No: BH02829, QA/QC Batch: 284936 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 284937 (Samples: BH02210, BH02211, BH02212): -----

The LCS and/or the LCSD recoveries are above the upper range for 3,3'-Dichlorobenzidine and Benzidine. These analytes were not reported in the sample, therefore no significant bias is suspected.

The site specific MS and MSD recoveries are below the method criteria for 2,4-Dinitrophenol and Hexachlorocyclopentadiene, therefore a low bias is possible.

The site specific MS recovery is above the upper range for Carbazole. This analyte was not reported in the samples, therefore no significant bias is suspected.

The QC recoveries are below the method criteria for Benzoic acid. A slight low bias is possible.

The site specific MS/MSD RPD exceeds the method criteria for Benzidine and Hexachlorocyclopentadiene. These analytes are not reported in the samples, therefore no sample variability is suspected.

Instrument: Chem19 09/02/14-1 (BH02210, BH02211, BH02212)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM19/SV_0827):
94% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol (29%), 4-Nitrophenol (22%), Benzidine (33%), Hexachlorocyclopentadiene (22%), Pentachlorophenol (22%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM19/0902_04-SV_0827):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-nitrophenol (.079)[0.1], Hexachlorobenzene (.086)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 9/2/2014

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

RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

QC (Site Specific)

---------- Sample No: BH02211, QA/QC Batch: 284937 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: Benzidine(>200%), Benzoic Acid(18%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 3,3'-Dichlorobenzidine(131%), Benzidine(>200%), Benzoic Acid(14%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), Benzoic Acid(<10%), Carbazole(132%), Hexachlorocyclopentadiene(23%)

All MSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(11%), Benzoic Acid(<10%), Hexachlorocyclopentadiene(13%)

All MS/MSD RPDs were less than 30% with the following exceptions: Benzidine(35.3%), Hexachlorocyclopentadiene(55.6%)

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 285078 (Samples: BH02210, BH02211, BH02212): -----

The site specific MS and MSD recoveries are below the method criteria for Acetone, Chloroethane, and Trichlorofluoromethane, therefore a low bias is possible.

The site specific MS recovery is below the method criteria for Bromomethane. All other QC recoveries are acceptable, therefore no significant bias is suspected.

Instrument: Chem18 09/02/14-2 (BH02210, BH02211, BH02212)

Initial Calibration Verification (CHEM18/voa5g_0830#1):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (33%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM18/0902M34-voa5g_0830#1):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: Acetone (34%)[30%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 9/2/2014

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

QC (Site Specific)

---------- Sample No: BH02210, QA/QC Batch: 285078 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: Acetone(61%), Bromomethane(61%), Chloroethane(31%), Trichlorofluoromethane(46%)

All MSD recoveries were within 70 - 130 with the following exceptions: Acetone(66%), Chloroethane(27%), Trichlorofluoromethane(45%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

VOA TCL Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Chem18 09/02/14-1 (BH02210)

Initial Calibration Verification (CHEM18/TCL5gD_0830#1):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (28%), Methylene Chloride (21%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM18/0902M34-TCL5gD_0830#1):
97% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: 1,4-dioxane (-29%)[20%], Acetone (26%)[20%]
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Acetone (.076)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 9/2/2014

Temperature Narration

The samples were received at 15C with cooling initiated.

PHOENIX

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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

RCP Certification Report

September 05, 2014

SDG I.D.: GBH02210

(Note acceptance criteria is above freezing up to 6°C)

15 of 10

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- ☑ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

1635

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☑ Standard (5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Kathleen Pane
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 9-2-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Total RCRA 8	TCLP RCRA 8	PCBs	Pesticides (Soxhlet)	Herbicides	VOCs	SVOCs	pH	Reactivity	Ignitability	Paint Filter	Soil VOA Vial, [ ] As is	Soil VOA Vial, [ ] methanol	Glass Soil Container (8) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is	Plastic - As is, [ ] 250 ml	Plastic - H_2SO_4, [ ] 250 ml	Plastic - HNO_3, 250 ml	Plastic - NaOH, 250 ml	Comments
1					090214-BG-01	S	9-2-14	0755	/	/	/	/	/	/	/	/						1									02210
2					-02	S	9-2-14	0810	/	/	/	/	/	/	/	/						1									02211
3					-03	S	9-2-14	0820	/	/	/	/	/	/	/	/						1									02212

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	9/2/14	10:41
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: 5-pt Composite Samples of Excavated Garage Area Soil Pile, For 1,500 Ton waste Profile

PHOENIX
Environmental Laboratories, Inc.

Soil

Thursday, November 14, 2013

Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BF74475 - BF74490

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74475

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-01

Phoenix I.D.: BF74475

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 14, 2013

Reviewed and Released by: Ethan Lee, 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

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74476

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	11/11/13	AW	30 - 150 %
% TCMX	94		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-02

Phoenix I.D.: BF74476

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director

November 14, 2013

Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74477

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-03

Phoenix I.D.: BF74477

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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

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

November 14, 2013

Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74478

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	11/11/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	76		%	11/11/13	AW	30 - 150 %
% TCMX	107		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-04

Phoenix I.D.: BF74478

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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

November 14, 2013

Reviewed and Released by: Ethan Lee, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74479

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	18	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	18	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-05

Phoenix I.D.: BF74479

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 14, 2013

Reviewed and Released by: Ethan Lee, 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

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&Q-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74480

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	11/12/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	84		%	11/12/13	AW	30 - 150 %
% TCMX	96		%	11/12/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-06

Phoenix I.D.: BF74480

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
November 14, 2013
Reviewed and Released by: Ethan Lee, 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

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74481

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	19	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	19	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-07

Phoenix I.D.: BF74481

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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November 14, 2013
Reviewed and Released by: Ethan Lee, Project Manager

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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74482

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	11/11/13	AW	30 - 150 %
% TCMX	116		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-08

Phoenix I.D.: BF74482

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74483

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	11/08/13	I	E160.3
MS/MSD Ext. For PCB	Completed			11/11/13		
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %
QC for PCB	Completed			11/11/13	AW	

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-09

Phoenix I.D.: BF74483

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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Phyllis Shiller, Laboratory Director

November 14, 2013

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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74484

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	11/11/13	AW	30 - 150 %
% TCMX	114		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-10

Phoenix I.D.: BF74484

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74485

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-11

Phoenix I.D.: BF74485

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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November 14, 2013

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74486

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	111		%	11/11/13	AW	30 - 150 %
% TCMX	106		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-12

Phoenix I.D.: BF74486

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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November 14, 2013
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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74487

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.7	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-13

Phoenix I.D.: BF74487

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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November 14, 2013

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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74488

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.5	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-14

Phoenix I.D.: BF74488

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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November 14, 2013

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Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74489

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.6	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 110713-SV-15

Phoenix I.D.: BF74489

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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November 14, 2013

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

Analysis Report

November 14, 2013

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/07/13	0:00
Location Code:	F&O-PCB	Received by:	SW	11/08/13	16:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979A2E				

Laboratory Data

SDG ID: GBF74475
Phoenix ID: BF74490

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	11/08/13	I	E160.3
Extraction for PCB	Completed			11/08/13	BB/X	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1221	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1232	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1242	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1248	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1254	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1260	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1262	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
PCB-1268	ND	3.9	mg/kg	11/11/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	11/11/13	AW	30 - 150 %
% TCMX	Diluted Out		%	11/11/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 110713-SV-16

Phoenix I.D.: BF74490

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 14, 2013
Reviewed and Released by: Ethan Lee, 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

QA/QC Report

November 14, 2013

QA/QC Data

SDG I.D.: GBF74475

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 259476, QC Sample No: BF74480 (BF74480)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	102	95	7.1	105	104	1.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	105	102	2.9	113	113	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	95	106	98	7.8	108	101	6.7	30 - 150	30
% TCMX (Surrogate Rec)	100	112	107	4.6	116	110	5.3	30 - 150	30
QA/QC Batch 259333, QC Sample No: BF74483 (BF74475, BF74476, BF74477, BF74478, BF74479, BF74481, BF74482, BF74483, BF74484, BF74485, BF74486, BF74487, BF74488, BF74489, BF74490)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	106	106	0.0				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99	106	6.8				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	105	100	110	9.5				30 - 150	30
% TCMX (Surrogate Rec)	104	108	114	5.4				30 - 150	30

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

Phyllis Shiller, Laboratory Director
November 14, 2013

Thursday, November 14, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBF74475 - FO-PCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** F&O-PCB

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BF74475, BF74476, BF74477, BF74478, BF74479, BF74480, BF74481, BF74482, BF74483, BF74484, BF74485, BF74486, BF74487, BF74488, BF74489, BF74490

Sampling Date(s): 11/7/2013

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Thursday, November 14, 2013

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: 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

RCP Certification Report

November 14, 2013

SDG I.D.: GBF74475

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 11/11/13-1 (BF74479)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/11/2013

Instrument: Au-ecd3 11/12/13-1 (BF74480)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/12/2013

Instrument: Au-ecd5 11/11/13-1 (BF74476)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/11/2013

Instrument: Au-ecd6 11/11/13-1 (BF74481)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 14, 2013

SDG I.D.: GBF74475

Printed Name Adam Werner
Position: Chemist
Date: 11/11/2013

Instrument: Au-ecd7 11/11/13-1 (BF74475, BF74477, BF74483, BF74485, BF74487, BF74488, BF74489, BF74490)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/11/2013

Instrument: Au-ecd8 11/11/13-1 (BF74478, BF74482, BF74484, BF74486)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/11/2013

Instrument: Au-ecd8 11/12/13-1 (BF74480)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 11/12/2013

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 14, 2013

SDG I.D.: GBF74475

QC (Site Specific)

---------- Sample No: BF74480, QA/QC Batch: 259476 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BF74483, QA/QC Batch: 259333 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Temperature Narration

The samples were received at 5C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

w/c 1p
3oc

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- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1182

Turnaround
☐ 1 Day* ☑ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield CT	20110979.A2E	Phoenix

REPORT TO: Kathleen Pane
INVOICE TO: Karron Redfield
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 11-7-13

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/Soxhlet	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container [ ] $Na(SO_4)_2$	Glass Soil Container 4 ( ) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml [ ] 1500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1	✓				110713-SV-01	S	11-7-13		✓			74475						1				①
2	✓				-02	↓	↓		✓			74476						1				①
3	✓				-03				✓			74477						1				①
4	✓				-04				✓			74478						1				①
5	✓				-05				✓			74479						1				①
6	✓				-06				✓			74480						1				①
7	✓				-07				✓			74481						1				①
8	✓				-08				✓			74482						1				①
9	✓				-09				✓			74483						1				①②
10	✓				-09	↓	↓		✓									1				①②

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	11/8/13	16:11
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: CAFETERIA WEST (AREA 15)
① SAMPLE AFTER 0"-4" SOIL REMOVED (@ 4"-8" DEPTH)
② MATRIX SPIKE
③

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☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

w/c 1P
3oc

CHAIN-OF-CUSTODY RECORD 1185

PROJECT NAME: DISCOVERY ACADEMY
PROJECT LOCATION: 1716 CUMBERLAND AVE, WETHERSFIELD CT
PROJECT NUMBER: 20110979.A2E
REPORT TO: KATHLEEN PANE
INVOICE TO: KARRON REDFIELD
P.O. No.: 20110979.A2E
Sampler's Signature: [signature]
Date: 11-7-13

Turnaround: ☐ 1 Day* ☐ 2 Days* ☑ 3 Days* ☐ Standard (____ days) ☐ Other _____ (days) *Surcharge Applies

LABORATORY: PHOENIX

Source Codes:
MW=Monitoring Well, SW=Surface Water, PW=Potable Water, T=Treatment Facility, S=Soil, B=Sediment, W=Waste, A=Air, X=Other

Analysis Request: EPA 8082 SOXHLET

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container ( ) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11	✓				110713-SV -09	S	11-7-13		✓	74483										
12	✓				-10				✓	74484				1						①②
13	✓				-11				✓	74485				1						①
14	✓				-12				✓	74486				1						①
15	✓				-13				✓	74487				1						①
16	✓				-14				✓	74488				1						①
17	✓				-15				✓	74489				1						①
18	✓				-16				✓	74490				1						①
									✓					1						①③
																				*

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	TP	11/8/13	16:11
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: CAFETERIA WEST (AREA 15)
① SAMPLE AFTER 0"-4" SOIL REMOVED (@ 4"-8" DEPTH)
② MATRIX SPIKE
③ DUPLICATE

Garage 5x5 grid
resamples
12" removed

PHOENIX
Environmental Laboratories, Inc.

Wednesday, August 20, 2014

Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: CREC DISCOVERY ACADEMY
Sample ID#s: BG94688 - BG94711

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94688

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-01-B8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	08/17/14	AW	30 - 150 %
% TCMX	84		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94689

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-02-A12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	08/17/14	AW	30 - 150 %
% TCMX	77		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY

Phoenix I.D.: BG94689

Client ID: 081514KN-02-A12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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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 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94690

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-03-C13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1260	0.4	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	08/18/14	AW	30 - 150 %
% TCMX	73		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94691

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-04-D9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	08/17/14	AW	30 - 150 %
% TCMX	87		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94692

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-05-J8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	08/17/14	AW	30 - 150 %
% TCMX	90		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94693

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-06-J12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	08/17/14	AW	30 - 150 %
% TCMX	63		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94694

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-07-J13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	08/17/14	AW	30 - 150 %
% TCMX	91		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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145 Hartford Road
Manchester, CT 06040

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Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94695

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-08-L13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1260	0.45	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	08/18/14	AW	30 - 150 %
% TCMX	69		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94696

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-09-M10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	103		%	08/18/14	AW	30 - 150 %
% TCMX	81		%	08/18/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY

Client ID: 081514KN-09-M10

Phoenix I.D.: BG94696

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94697

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-10-R11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1260	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	08/18/14	AW	30 - 150 %
% TCMX	90		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94698

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-11-R12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	92		%	08/17/14	AW	30 - 150 %
% TCMX	89		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-11-R12

Phoenix I.D.: BG94698

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94699

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-12-S12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	93		%	08/17/14	AW	30 - 150 %
% TCMX	91		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-12-S12

Phoenix I.D.: BG94699

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, 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

Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94700

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-13-T13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	08/17/14	AW	30 - 150 %
% TCMX	92		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 20, 2014
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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94701

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-14-V13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	99		%	08/17/14	AW	30 - 150 %
% TCMX	93		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-14-V13

Phoenix I.D.: BG94701

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94702

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-15-W10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	08/17/14	AW	30 - 150 %
% TCMX	95		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-15-W10

Phoenix I.D.: BG94702

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94703

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-16-W13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	TP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	08/17/14	AW	30 - 150 %
% TCMX	90		%	08/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94704

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-17-Y8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	87		%	08/17/14	AW	30 - 150 %
% TCMX	92		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-17-Y8

Phoenix I.D.: BG94704

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 20, 2014
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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94705

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-18-Y11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	93		%	08/17/14	AW	30 - 150 %
% TCMX	93		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-18-Y11

Phoenix I.D.: BG94705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94706

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-19-Y13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	72		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1260	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	08/18/14	AW	30 - 150 %
% TCMX	89		%	08/18/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-19-Y13

Phoenix I.D.: BG94706

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94707

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-20-Z4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	08/17/14	AW	30 - 150 %
% TCMX	97		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-20-Z4

Phoenix I.D.: BG94707

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 20, 2014

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145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94708

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-21-Z5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	08/18/14	AW	30 - 150 %
% TCMX	97		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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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 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94709

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-22-Z9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	08/17/14	AW	30 - 150 %
% TCMX	90		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-22-Z9

Phoenix I.D.: BG94709

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

PHOENIX

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94710

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-23-Z10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	08/17/14	AW	30 - 150 %
% TCMX	94		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-23-Z10

Phoenix I.D.: BG94710

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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Analysis Report

August 20, 2014

FOR: Attn: Ms Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		08/15/14	0:00
Location Code:	F&OENVIRPCB	Received by:	LK	08/15/14	14:42
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	2011979.A2E				

Laboratory Data

SDG ID: GBG94688
Phoenix ID: BG94711

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-24-DUP1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	08/15/14	X	E160.3
Extraction for PCB	Completed			08/15/14	NP/Z/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	08/17/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	87		%	08/17/14	AW	30 - 150 %
% TCMX	92		%	08/17/14	AW	30 - 150 %

Project ID: CREC DISCOVERY ACADEMY
Client ID: 081514KN-24-DUP1

Phoenix I.D.: BG94711

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
August 20, 2014
Reviewed and Released by: Ethan Lee, Project Manager

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QA/QC Report

August 20, 2014

QA/QC Data

SDG I.D.: GBG94688

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 283450, QC Sample No: BG86165 (BG94688, BG94689, BG94690, BG94691, BG94692, BG94693, BG94694, BG94695, BG94696, BG94698, BG94699, BG94700, BG94701, BG94702, BG94703)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	87	91	4.5				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	85	94	10.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	87	100	106	5.8				30 - 150	30
% TCMX (Surrogate Rec)	87	92	88	4.4				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 283466, QC Sample No: BG94779 (BG94704, BG94705, BG94706, BG94707, BG94708, BG94709, BG94710, BG94711)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	92	91	1.1	85	98	14.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	103	102	1.0	98	104	5.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	102	110	107	2.8	106	109	2.8	30 - 150	30
% TCMX (Surrogate Rec)	97	96	91	5.3	88	96	8.7	30 - 150	30
QA/QC Batch 283475, QC Sample No: BG95101 (BG94697)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	90	92	2.2	84	87	3.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	95	2.1	116	122	5.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	98	97	100	3.0	94	99	5.2	30 - 150	30

QA/QC Data

SDG I.D.: GBG94688

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% TCMX (Surrogate Rec)	86	92	92	0.0	84	87	3.5	30 - 150	30

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 20, 2014

Wednesday, August 20, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBG94688 - FOENVIRPCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: CREC DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BG94688, BG94689, BG94690, BG94691, BG94692, BG94693, BG94694, BG94695, BG94696, BG94697, BG94698, BG94699, BG94700, BG94701, BG94702, BG94703, BG94704, BG94705, BG94706, BG94707, BG94708, BG94709, BG94710, BG94711

Sampling Date(s): 8/15/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☐ Yes ☑ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☑ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Wednesday, August 20, 2014

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

August 20, 2014

SDG I.D.: GBG94688

The samples were received by the laboratory at a temperature of 23 degrees C with cooling initiated. No significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 08/18/14-1 (BG94695)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/18/2014

Instrument: Au-ecd3 08/17/14-1 (BG94688, BG94689, BG94690, BG94691, BG94692, BG94693, BG94694, BG94695, BG94696, BG94706)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/17/2014

Instrument: Au-ecd48 08/17/14-1 (BG94697)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/17/2014

Instrument: Au-ecd48 08/18/14-1 (BG94690)

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

August 20, 2014

SDG I.D.: GBG94688

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/18/2014

Instrument: Au-ecd5 08/17/14-1 (BG94698, BG94699, BG94700, BG94701, BG94702, BG94703, BG94704, BG94705, BG94707, BG94708, BG94709, BG94710, BG94711)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/17/2014

QC Comments: QC Batch 283450 08/15/14 (BG94688, BG94689, BG94690, BG94691, BG94692, BG94693, BG94694, BG94695, BG94696, BG94697, BG94698, BG94699, BG94700, BG94701, BG94702, BG94703)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NY # 11301

RCP Certification Report

August 20, 2014

SDG I.D.: GBG94688

QC (Batch Specific)

---------- Sample No: BG86165, QA/QC Batch: 283450 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG94779, QA/QC Batch: 283466 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG95101, QA/QC Batch: 283475 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 23C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

183

23° W/C + IP

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☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1382

☒ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY
CREC Discovery Academy	Garage Area	20110979.A2E	Phoenix

REPORT TO: Kathleen Pane
INVOICE TO: Sarah Owens
P.O. NO.:
Sampler's Signature: [signature] Date: 8-15-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request: EPA 8082 Soxlet

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$; Glass Soil Container ( ) oz; Glass Soil Container (4) oz; Other: Water VOA Vial, [ ] As is [ ] HCl; Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4; Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml; Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml; Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered; Plastic - NaOH, 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082 Soxlet	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water [ ] $Na(SO_4)_2$	Glass Soil Container ( ) oz	Glass Soil Container (4) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					081514KN-01-B8	S	8-15-14						X								94688
2					-02-A12																94689
3					-03-C13																94690
4					-04-D9																94691
5					-05-J8																94692
6					-06-J12																94693
7					-07-J13																94694
8					-08-L13																94695
9					-09-M10																94696
10					-10-R11																94697

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	8/15/14	1442
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

+12" (KN)

2 of 3

23°W/C+FP

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- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1383

☒ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
CREC Discovery Academy	Garage Area	20110979A28	phoenix

Report To: K. Pane
Invoice To: Sarah Owens
P.O. No.:
Sampler's Signature: [signature] Date: 8-15-14

Source Codes:
MW=Monitoring Well PW=Potable Water (S=Soil) W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082 Soxlet	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container (4) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
11					081514KN-11-R12	S	8-15-14														94698
12					-12-S12																94699
13					-13-T13																94700
14					-14-V13																94701
15					-15-W10																94702
16					-16-W13																94703
17					-17-Y8																94704
18					-18-Y11																94705
19					-19-Y13																94706
20					-20-Z4																94707

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	[signature]	8/15/14	1442
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

3/3

23°w/c+IP

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- [x] 146 Hartford Road, Manchester, CT 06040
- [ ] 56 Quarry Road, Trumbull, CT 06611
- [ ] 1419 Richland Street, Columbia, SC 29201
- [ ] 78 Interstate Drive, West Springfield, MA 01089
- [ ] 50 Redfield Street, Suite 100, Boston, MA 02122
- [ ] 275 Promenade Street, Suite 350, Providence, RI 02908
- [ ] 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 1384

- [x] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [ ] Standard (____ days)
- [ ] Other _____ (days)

*Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
CREC Discovery Academy	Garage Area	20110979 A28	Phoenix

REPORT TO: K Pane

INVOICE TO: Sarah Owens

P.O. No.:

Sampler's Signature: [signature] Date: 8-15-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPH soil Soxlet	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container ( ) oz	Glass Soil Container (4 oz	Other	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H_2SO_4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H_2SO_4, [ ] 250 ml [ ] 500 ml	Plastic - HNO_3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
21					081514KN-21-Z5	S	8-15-14														94708
22					-22-Z9																94709
23					-23-Z10																94710
24					-24-Dup 1																94711
~~[illegible]~~					~~-25-Dup 2~~																

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	CParadise	8/15/14	1442
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments:

Courge 575
resumpt

PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 26, 2014

Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY
Sample ID#s: BG97885 - BG97886

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.

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

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

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

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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 26, 2014

FOR: Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/21/14	7:15
Location Code:	F&OENVIRPCB	Received by:	LB	08/21/14	14:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A2E				

Laboratory Data

SDG ID: GBG97885
Phoenix ID: BG97885

Project ID: DISCOVERY ACADEMY
Client ID: 082114-BG-C13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	08/21/14	X	E160.3
Extraction for PCB	Completed			08/21/14	BB/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	08/22/14	AW	30 - 150 %
% TCMX	93		%	08/22/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 082114-BG-C13

Phoenix I.D.: BG97885

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 26, 2014
Reviewed and Released by: Kathleen Cressia, QA/QC Officer

PHOENIX

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 26, 2014

FOR: Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/21/14	7:25
Location Code:	F&OENVIRPCB	Received by:	LB	08/21/14	14:40
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20110979.A2E				

Laboratory Data

SDG ID: GBG97885
Phoenix ID: BG97886

Project ID: DISCOVERY ACADEMY
Client ID: 082114-BG-L13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	08/21/14	X	E160.3
Extraction for PCB	Completed			08/21/14	BB/K/Z	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	08/22/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	89		%	08/22/14	AW	30 - 150 %
% TCMX	83		%	08/22/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY
Client ID: 082114-BG-L13

Phoenix I.D.: BG97886

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
August 26, 2014
Reviewed and Released by: Kathleen Cressia, QA/QC Officer

PHOENIX

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 26, 2014

QA/QC Data

SDG I.D.: GBG97885

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 284022, QC Sample No: BG93771 (BG97885, BG97886)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	78	83	6.2	95	95	0.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	93	11.4	103	101	2.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	93	101	110	8.5	104	102	1.9	30 - 150	30
% TCMX (Surrogate Rec)	76	86	87	1.2	105	107	1.9	30 - 150	30

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 26, 2014

Tuesday, August 26, 2014

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBG97885 - FOENVIRPCB

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.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: DISCOVERY ACADEMY **Project Number:**

Laboratory Sample ID(s): BG97885, BG97886

Sampling Date(s): 8/21/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Date: Tuesday, August 26, 2014

Authorized Signature: Kathleen Cressia

Printed Name: Kathleen Cressia

Position: QA/QC Officer

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 NY # 11301

RCP Certification Report

August 26, 2014

SDG I.D.: GBG97885

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd6 08/22/14-1 (BG97885)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/22/2014

Instrument: Au-ecd8 08/22/14-1 (BG97886)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 8/22/2014

QC (Batch Specific)

---------- Sample No: BG93771, QA/QC Batch: 284022 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 6C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH
NY # 11301

RCP Certification Report

August 26, 2014

SDG I.D.: GBG97885

6°w/c ice

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- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

1614

☑ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Discovery Academy	176 Cumberland Ave, Wethersfield, CT	20110979.A2E	Phoenix

Report To: Kathleen Pure
Invoice To: Sarah Owens
P.O. No.: 20110979.A2E
Sampler's Signature: [signature] Date: 8-21-14

Source Codes:
MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air
X=Other _____

Analysis Request / Containers

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	EPA 8082/SOXHLET	Soil VOA Vial, [ ] methanol	Soil VOA Vial, [ ] water	Glass Soil Container (4) oz	Glass Soil Container ( ) oz	Other:	Water VOA Vial, [ ] As is [ ] HCl	Glass Amber ( ) ml, [ ] As is [ ] H2SO4	Plastic - As is, [ ] 250 ml [ ] 500 [ ] 1000 ml	Plastic - H2SO4, [ ] 250 ml [ ] 500 ml	Plastic - HNO3, 250 ml [ ] Filtered [ ] Unfiltered	Plastic - NaOH, 250 ml	Comments
1					OB2114-BG-C13	S	8-21-14	0715	✓			1									97885
2					OB2114-BG-L13	S	8-21-14	0725	✓			1									97886

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	Paradise	8/21/14	1440
2				
3				
4				

Reporting and Detection Limit Requirements:

Additional Comments: Retest of Grange Area Grids C13 and L13 after Addition 12" Excavated