



Thursday, February 23, 2017

Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: RECLAMATION YARD
Sample ID#s: BX69935 - BX69943

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

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

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

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

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "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



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69935

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A3-H3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	83		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/16/17	BX/IR	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1221	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1232	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1242	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1248	4.6	* 0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1254	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1260	*	* 0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1262	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1268	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	53		%	10	02/20/17	AW	30 - 150 %
% TCMX	49		%	10	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

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

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

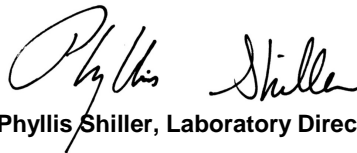
Comments:**PCB Comment:**

* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1248.

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69936

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A3-H3-D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	87		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/16/17	BX/IR	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1221	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1232	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1242	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1248	4.3	* 1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1254	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1260	*	* 1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1262	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1268	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	Diluted Out	%	50	02/20/17	AW	30 - 150 %
% TCMX	Diluted Out	%	50	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

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

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

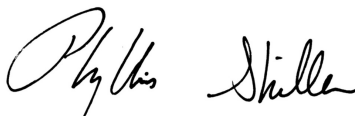
Comments:**PCB Comment:**

* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1248.

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69937

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A3-H2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	0.83	0.10	mg/L	1	02/20/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/17/17	Q/Q	SW3005A
Percent Solid	87		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/16/17	BX/IR	SW3540C
TCLP Extraction for Metals	Completed				02/16/17	Q	SW1311

PCB (Soxhlet SW3540C)

PCB-1016	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1221	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1232	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1242	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1248	5.5	* 1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1254	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1260	*	* 1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1262	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A
PCB-1268	ND	1.9	mg/kg	50	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	Diluted Out	%	50	02/20/17	AW	30 - 150 %
% TCMX	Diluted Out	%	50	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

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

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

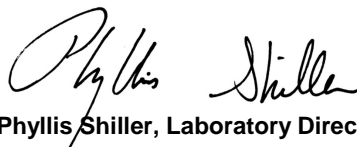
Comments:**PCB Comment:**

* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1248.

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69938

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A3-H1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/17/17	BX/IR	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1221	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1232	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1242	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1248	8.3	* 1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1254	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1260	*	* 1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1262	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A
PCB-1268	ND	1.9	mg/kg	50	02/21/17	AW	SW8082A

QA/QC Surrogates

% DCBP	Diluted Out	%	50	02/21/17	AW	30 - 150 %
% TCMX	Diluted Out	%	50	02/21/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

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

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

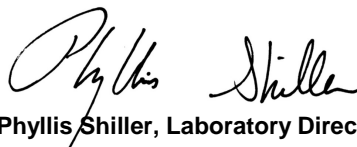
Comments:**PCB Comment:**

* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1248.

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69939

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A5-H3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	83		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/17/17	BX/IR	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1221	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1232	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1242	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1248	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1254	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1260	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1262	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A
PCB-1268	ND	0.39	mg/kg	10	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	128	%	10	02/20/17	AW	30 - 150 %
% TCMX	118	%	10	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69940

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A5-H2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	02/20/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/17/17	Q/Q	SW3005A
Percent Solid	92		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/17/17	BX/IR	SW3540C
TCLP Extraction for Metals	Completed				02/16/17	Q	SW1311

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1221	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1232	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1242	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1248	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1254	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1260	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1262	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A
PCB-1268	ND	0.36	mg/kg	10	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	68	%	10	02/20/17	AW	30 - 150 %
% TCMX	63	%	10	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69941

Project ID: RECLAMATION YARD
Client ID: 20170216BH-A5-H1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	93		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/17/17	BX/IR	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1221	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1232	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1242	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1248	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1254	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1260	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1262	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A
PCB-1268	ND	0.35	mg/kg	10	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	80	%	10	02/20/17	AW	30 - 150 %
% TCMX	76	%	10	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

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

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

Comments:

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69942

Project ID: RECLAMATION YARD
Client ID: WEST PILE BACKGROUND

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	02/20/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/17/17	Q/Q	SW3005A
Percent Solid	89		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/17/17	BX/IR	SW3540C
TCLP Extraction for Metals	Completed				02/16/17	Q	SW1311

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1221	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1232	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1242	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1248	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1254	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1260	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1262	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A
PCB-1268	ND	0.37	mg/kg	10	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	59	%	10	02/20/17	AW	30 - 150 %
% TCMX	59	%	10	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

February 23, 2017

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOIL
Location Code: F&OENVPCBDAS
Rush Request: 72 Hour
P.O.#: 20161049.A3E

Custody Information

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

Date

02/16/17

Time

16:46

Laboratory Data

SDG ID: GBX69935
Phoenix ID: BX69943

Project ID: RECLAMATION YARD
Client ID: NORTH PILE BACKGROUND

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	0.99	0.10	mg/L	1	02/20/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/17/17	Q/Q	SW3005A
Percent Solid	88		%		02/16/17	Q	SW846-%Solid
Extraction for PCB	Completed				02/17/17	BX/IR	SW3540C
TCLP Extraction for Metals	Completed				02/16/17	Q	SW1311

PCB (Soxhlet SW3540C)

PCB-1016	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1221	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1232	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1242	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1248	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1254	15	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1260	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1262	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A
PCB-1268	ND	3.7	mg/kg	100	02/20/17	AW	SW8082A

QA/QC Surrogates

% DCBP	Diluted Out	%	100	02/20/17	AW	30 - 150 %
% TCMX	Diluted Out	%	100	02/20/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

February 23, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

QA/QC Report

February 23, 2017

QA/QC Data

SDG I.D.: GBX69935

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 376656 (mg/L), QC Sample No: BX70335 (BX69937, BX69940, BX69942, BX69943)													
<u>ICP Metals - TCLP Extraction</u>													
Lead	BRL	0.010	0.018	0.018	NC	108			107			75 - 125	20



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

February 23, 2017

QA/QC Data

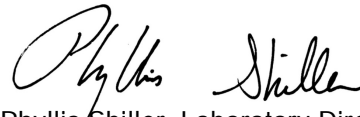
SDG I.D.: GBX69935

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 376612 (ug/Kg), QC Sample No: BX69937 10X (BX69935, BX69936, BX69937)										
<u>Polychlorinated Biphenyls - Soil</u>										
PCB-1016	ND	170	54	89	49.0				40 - 140	30 r
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	100	98	2.0				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	114	%	97	99	2.0				30 - 150	30
% TCMX (Surrogate Rec)	38	%	42	54	25.0				30 - 150	30
QA/QC Batch 376726 (ug/Kg), QC Sample No: BX69938 10X (BX69938, BX69939, BX69940, BX69941, BX69942, BX69943)										
<u>Polychlorinated Biphenyls - Soil</u>										
PCB-1016	ND	170	85	79	7.3				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	95	99	4.1				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	113	%	116	119	2.6				30 - 150	30
% TCMX (Surrogate Rec)	97	%	92	62	39.0				30 - 150	30 r

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
February 23, 2017

Thursday, February 23, 2017

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBX69935 - FOENVPCBDAS

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, LL

Project Location: RECLAMATION YARD

Project Number:

Laboratory Sample ID(s): BX69935-BX69943

Sampling Date(s): 2/16/2017

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 8082

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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: PCB Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #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". This form may not be altered and all questions must be answered.

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 **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Thursday, February 23, 2017

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



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



RCP Certification Report

February 23, 2017

SDG I.D.: GBX69935

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Lead is reported as requested on the chain of custody.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 02/20/17 06:27 Laura Kinnin, Chemist 02/20/17

BX69937, BX69940, BX69942, BX69943

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 376656 (BX70335)

BX69937, BX69940, BX69942, BX69943

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

PCB Narration

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

QC Batch 376612 (Samples: BX69935, BX69936, BX69937): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (PCB-1016)

QC Batch 376726 (Samples: BX69938, BX69939, BX69940, BX69941, BX69942, BX69943): -----

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% TCMX (Surrogate Rec))

Instrument:

AU-ECD24 02/20/17-1 Adam Werner, Chemist 02/20/17

BX69935, BX69936, BX69937

The initial calibration (PC1228AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1228BI) 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: None.

AU-ECD3 02/20/17-1 Adam Werner, Chemist 02/20/17

BX69943

The initial calibration (PC207AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC207BI) 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: None.



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



RCP Certification Report

February 23, 2017

SDG I.D.: GBX69935

PCB Narration

AU-ECD5 02/21/17-1

Adam Werner, Chemist 02/21/17

BX69938

The initial calibration (PC0130AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0130BI) 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:None.

AU-ECD8 02/20/17-1

Adam Werner, Chemist 02/20/17

BX69939, BX69940, BX69941, BX69942

The initial calibration (PC0216AI) RSD for the compound list was less than 20% except for the following compounds: TCMX
SURR (21%)

The initial calibration (PC0216BI) RSD for the compound list was less than 20% except for the following compounds: TCMX
SURR (11%)

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 376612 (BX69937)

BX69935, BX69936, BX69937

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: PCB-1016(49.0%)

Batch 376726 (BX69938)

BX69938, BX69939, BX69940, BX69941, BX69942, BX69943

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: % TCMX (Surrogate Rec)(39.0%)

Temperature Narration

The samples were received at 4C with cooling initiated.

(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL

(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

☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908

☐ 80 Washington Street, Suite 301, Poughkeepsie, NY

☐ Other

4 in 10

CHAIN-OF-CUSTODY RECORD

36587

Turnaround

☐ 24-Hour* ☒ 2-Hour* ☐ Standard (____ days) ☐ Other (____ days)
*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Reclamation Yard

REPORT TO: M. Marques / K. Readfield

20161049.A3E

Phoenix

INVOICE TO: S. Owens

Analysis Request

20161049.A3E

Containers

P.O. No.: 20161049.A3E (* DAS RATES)

Sampler's Signature: B. Hoffman

Date: 2-16-17

Source Codes:

MW=Monitoring Well

PW=Portable Water

ST=Stormwater

T=Treatment Facility

W=Waste

A=Air

B=Sediment

C=Concrete

X=Other

Item No.	Transfer Check				TEST PIT — Horizon	Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4					
1	/				A3-H3	20170216BH	S	2-16-17	
2	/				A3-H3-D				
3	/				A3-H2				
4	/				A3-H1				
5	/				A5-H3				
6	/				A5-H2				
7	/				A5-H1				
8	/				West-Pile-Background				
9	/				NORTH-Pile-Background				

Soil VOA Vial, □ methanol	Soil VOA Vial, □ water	Glass Soil Container (□) oz	Other	Other	Water VOA Vial, □ As is	Glass Amber (□) ml	Plastic - As is, □ 250 ml	Plastic - H ₂ SO ₄ , □ 250 ml	Plastic - HNO ₃ , □ 250 ml	Plastic - NaOH, □ 250 ml	Comments
1	1	1	1	1	1	1	1	1	1	1	0-5 ft.
1	1	1	1	1	1	1	1	1	1	1	0-5 ft.
1	1	1	1	1	1	1	1	1	1	1	6-7 ft.
1	1	1	1	1	1	1	1	1	1	1	7-10 ft.
1	1	1	1	1	1	1	1	1	1	1	0-5 ft.
1	1	1	1	1	1	1	1	1	1	1	5-7 ft.
1	1	1	1	1	1	1	1	1	1	1	7-10 ft.
1	1	1	1	1	1	1	1	1	1	1	0-2 ft.
1	1	1	1	1	1	1	1	1	1	1	0-2 ft.

Transfer Number	Relinquished By	Accepted By	Date	Time
1	B. Hobbins	Fto F	2-16-17	1400
2	Fto F	Bto	2-16-17	1530
3	Bto	Fto F	2-16-17	1532
4	Fto F	Bto	2-16-17	1640

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other (_____) ☐ Duplicates (_____) ☐ Banks (Item Nos: _____)

Reporting and Detection Limit Requirements: ☐ RCP Deliverables ☐ MCP CAM Cert.