Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☒ R/N ☐

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 0 °C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: HALangford@Tighebond.com

Customer: Tighe & Bond
Address: 213 Court Street
Middletown, CT

Project: Guilford High School
Report to: Harley Langford
Invoice to: TCB Westfield

Project P.O: 290245
Phone #:
Fax #:

Client Sample - Information - Identification
Sampler's Signature: [signature] Date: 2/12/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request: PCBs 8082, wins sokhli

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082, wins sokhli	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
30425	W-9B	W	2/12/13	0840	X		X								
30426	GCT-1	S	2/12/13	0900	X		X								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2/13/13	1003
[signature]		2/13/13	1600

Comments, Special Requirements or Regulations:
Wipe sample Reporting Limit must be <1 ug

Turnaround:
☒ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

State where samples were collected: CT

PHOENIX
Environmental Laboratories, Inc.

Tuesday, January 29, 2013

Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Project ID: GUILFORD HIGH SCHOOL
Sample ID#s: BD21944 - BD21952

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/20/13	13:50
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21944

Project ID: GUILFORD HIGH SCHOOL
Client ID: BCT-1968-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	01/22/13	LB	E160.3
Extraction for PCB	Completed			01/21/13	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1221	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1232	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1242	2000	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1248	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1254	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1260	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1262	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1268	ND	780	ug/Kg	01/22/13	MH	3540C/8082
QA/QC Surrogates						
% DCBP	97		%	01/22/13	MH	30 - 150 %
% TCMX	94		%	01/22/13	MH	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: BCT-1968-1

Phoenix I.D.: BD21944

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

Phyllis Shiller, Laboratory Director
January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	9:30
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21945

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 6-T-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	01/22/13	LB	E160.3
Extraction for PCB	Completed			01/21/13	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1221	ND	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1232	ND	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1242	*	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1248	ND	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1254	*	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1260	ND	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1262	ND	980	ug/Kg	01/22/13	MH	3540C/8082
PCB-1268	ND	980	ug/Kg	01/22/13	MH	3540C/8082
Total PCBs	2800	980	ug/Kg	01/22/13	MH	3540C/8082
QA/QC Surrogates						
% DCBP	90		%	01/22/13	MH	30 - 150 %
% TCMX	77		%	01/22/13	MH	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 6-T-1

Phoenix I.D.: BD21945

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

Comments:

* For PCBs, as per section 11.9.3, 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 1242 and 1254.

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Phyllis Shiller, Laboratory Director
January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	9:35
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21946

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 6-T-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	01/22/13	LB	E160.3
Extraction for PCB	Completed			01/21/13	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1221	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1232	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1242	840	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1248	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1254	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1260	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1262	ND	810	ug/Kg	01/22/13	MH	3540C/8082
PCB-1268	ND	810	ug/Kg	01/22/13	MH	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	01/22/13	MH	30 - 150 %
% TCMX	89		%	01/22/13	MH	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 6-T-2

Phoenix I.D.: BD21946

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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January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	9:50
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21947

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 10-T

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	01/22/13	LB	E160.3
Extraction for PCB	Completed			01/21/13	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1221	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1232	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1242	8500	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1248	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1254	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1260	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1262	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
PCB-1268	ND	1600	ug/Kg	01/24/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	93		%	01/24/13	AW	30 - 150 %
% TCMX	79		%	01/24/13	AW	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 10-T

Phoenix I.D.: BD21947

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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January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	9:55
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21948

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 9-T

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	01/22/13	LB	E160.3
Extraction for PCB	Completed			01/21/13	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1221	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1232	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1242	1300	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1248	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1254	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1260	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1262	ND	780	ug/Kg	01/22/13	MH	3540C/8082
PCB-1268	ND	780	ug/Kg	01/22/13	MH	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	01/22/13	MH	30 - 150 %
% TCMX	92		%	01/22/13	MH	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 9-T

Phoenix I.D.: BD21948

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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January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	10:15
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21949

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 12-TP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	01/22/13	LB	E160.3
Extraction for PCB	Completed			01/21/13	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1221	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1232	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1242	1400	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1248	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1254	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1260	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1262	ND	780	ug/Kg	01/24/13	AW	3540C/8082
PCB-1268	ND	780	ug/Kg	01/24/13	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	01/24/13	AW	30 - 150 %
% TCMX	89		%	01/24/13	AW	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: ROOF 12-TP

Phoenix I.D.: BD21949

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
January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	14:00
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21950

Project ID: GUILFORD HIGH SCHOOL
Client ID: S-40-TCLP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP PCB Extraction	Completed			01/22/13	L	SW 3510/3520
TCLP Extraction for Organics	Completed			01/21/13	X	1311
TCLP Polychlorinated Biphenyls						
PCB-1016	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1221	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1232	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1242	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1248	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1254	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1260	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1262	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1268	ND	1.0	ug/L	01/23/13	AW	SW8082
QA/QC Surrogates						
%DCBP (Surrogate Rec)	54		%	01/23/13	AW	30 - 150 %
%TCMX (Surrogate Rec)	49		%	01/23/13	AW	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: S-40-TCLP

Phoenix I.D.: BD21950

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
January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	14:40
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21951

Project ID: GUILFORD HIGH SCHOOL
Client ID: S-30-TCLP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP PCB Extraction	Completed			01/22/13	L	SW 3510/3520
TCLP Extraction for Organics	Completed			01/21/13	X	1311
TCLP Polychlorinated Biphenyls						
PCB-1016	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1221	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1232	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1242	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1248	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1254	8.7	1.0	ug/L	01/23/13	AW	SW8082
PCB-1260	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1262	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1268	ND	1.0	ug/L	01/23/13	AW	SW8082
QA/QC Surrogates						
%DCBP (Surrogate Rec)	59		%	01/23/13	AW	30 - 150 %
%TCMX (Surrogate Rec)	54		%	01/23/13	AW	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: S-30-TCLP

Phoenix I.D.: BD21951

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
January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

January 29, 2013

FOR: Attn: Harley Langford
Tighe & Bond
213 Court St
Suite 900
Middletown, CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		01/21/13	15:15
Location Code:	TIGHE	Received by:	DL	01/21/13	17:30
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	290245 HL				

Laboratory Data

SDG ID: GBD21944
Phoenix ID: BD21952

Project ID: GUILFORD HIGH SCHOOL
Client ID: S-46-TCLP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP PCB Extraction	Completed			01/22/13	L	SW 3510/3520
TCLP Extraction for Organics	Completed			01/21/13	X	1311
TCLP Polychlorinated Biphenyls						
PCB-1016	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1221	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1232	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1242	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1248	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1254	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1260	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1262	ND	1.0	ug/L	01/23/13	AW	SW8082
PCB-1268	ND	1.0	ug/L	01/23/13	AW	SW8082
QA/QC Surrogates						
%DCBP (Surrogate Rec)	57		%	01/23/13	AW	30 - 150 %
%TCMX (Surrogate Rec)	50		%	01/23/13	AW	30 - 150 %

Project ID: GUILFORD HIGH SCHOOL
Client ID: S-46-TCLP

Phoenix I.D.: BD21952

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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
January 29, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

January 29, 2013

QA/QC Data

SDG I.D.: GBD21944

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 219192, QC Sample No: BD21752 (BD21950, BD21951, BD21952)									
Polychlorinated Biphenyls									
PCB-1016	ND	90	87	3.4				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	96	96	0.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	86	93	96	3.2				30 - 150	20
% TCMX (Surrogate Rec)	82	73	77	5.3				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 219185, QC Sample No: BD21920 (BD21944, BD21945, BD21946, BD21947, BD21948, BD21949)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	97	103	6.0	91	99	8.4	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	100	103	3.0	99	104	4.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	80	84	89	5.8	87	87	0.0	30 - 150	30
% TCMX (Surrogate Rec)	70	81	86	6.0	77	85	9.9	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
January 29, 2013

Tuesday, January 29, 2013

Requested Criteria: None

State: CT

Sample Criteria Exceedences Report

GBD21944 - TIGHE

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:** TIGHE

Project Location: GUILFORD HIGH SCHOOL **Project Number:**

Laboratory Sample ID(s): BD21944, BD21945, BD21946, BD21947, BD21948, BD21949, BD21950, BD21951, BD21952

Sampling Date(s): 1/20/2013, 1/21/2013

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: Tuesday, January 29, 2013

Authorized Signature: _____ Printed Name:

Position:

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

January 29, 2013

SDG I.D.: GBD21944

PCB Narration

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

Instrument: Au-ecd1 01/28/13-1 (BD21944, BD21946, BD21948)

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: 1/28/2013

Instrument: Au-ecd24 01/23/13-1 (BD21947)

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: 1/23/2013

Instrument: Au-ecd24 01/24/13-1 (BD21949)

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: 1/24/2013

Instrument: Au-ecd35 01/23/13-1 (BD21950, BD21951, BD21952)

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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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

January 29, 2013

SDG I.D.: GBD21944

Printed Name	Adam Werner
Position:	Chemist
Date:	1/23/2013

Instrument: Au-ecd5 01/22/13-1 (BD21944, BD21945, BD21946, BD21948)

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:	1/22/2013

QC Comments: QC Batch 219192 01/21/13 (BD21950, BD21951, BD21952)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BD21752, QA/QC Batch: 219192 ----------

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 20% with the following exceptions: None.

---------- Sample No: BD21920, QA/QC Batch: 219185 ----------

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 5°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

January 29, 2013

SDG I.D.: GBD21944

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ N ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 5 °C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: HALansford@T3heBond.com

Customer: T3he & Bond
Address: 213 Court Street Suite 900
Middletown, CT

Project: Guilford High School
Report to: Harley Lansford, Jim Olsen
Invoice to: T&B Westfield

Project P.O: 290245
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1/21/13

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs soxhlet extraction	TCLP PCBs	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
21944	BCT-1968-1	S	1/20/13	1350	X											
21945	Roof 6-T-1	S	1/21/13	0930	X											
21946	Roof 6-T-2	S	1/21/13	0935	X											
21947	Roof 10-T	S	1/21/13	0950	X											
21948	Roof 9-T	S	1/21/13	0955	X											
21949	Roof 12-TP	S	1/21/13	1015	~~X~~	~~X~~										
21950	S-40-TCLP	S	1/21/13	1400	~~X~~	X										
21951	S-30-TCLP	S	1/21/13	1440		X										
21952	S-46-TCLP	S	1/21/13	1515		X										

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-21-13	17:30

Comments, Special Requirements or Regulations:
*Analyze Roof 12-TP for mass PCBs using soxhlet extraction

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

State where samples were collected: CT

February 19, 2013

Kimberly Tisa
PCB Coordinator
Office of Ecosystem Protection
EPA-New England, Region I
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02114-2020

Re: **Certification**
Self-Implementing Cleanup Plan
Guilford High School
605 New England Road, Guilford, CT

Dear Ms Tisa:

The following letter is the Certification for the Self-Implementing Cleanup Plan that is being submitted on behalf of the Town of Guilford for the above referenced project by Tighe & Bond in accordance with 40 CFR 761.61(a)(3)(i)(e).

The Town of Guilford is the owner of the property and the party conducting the cleanup. The Town of Guilford certifies that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are on file with Tighe & Bond, Inc., 213 Court Street, Middletown, CT and are available for EPA inspection.

If you have any questions or comments, please Jim Olsen, Project Manager at (860) 704-4761

Regards,

Cliff Gurnham – Guilford Board of Education

cc: James Olsen - Tighe & Bond, Inc.