ARCADIS

Appendix C

Laboratory Analytical Data Sheets

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

Analysis Report

April 04, 2011

FOR: Attn: Mr. Bob May
Fuss & O'Neill, Inc.
50 Redfield Street Suite 100
Boston, MA 02122

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/11	18:00
Location Code:	F&OPCBMA	Received by:	LB	03/30/11	13:43
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20110224.A1E				

Laboratory Data

SDG ID: GBA15066
Phoenix ID: BA15066

Project ID: CIVITECTS, PC
Client ID: 0325DD-PCB-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/11			E160.3
Caulk Extraction for PCB	Completed			03/30/11		Q/D	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1221	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1232	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1242	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1248	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1254	6.1	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1260	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1262	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
PCB-1268	ND	0.81	mg/kg	03/31/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	03/31/11		MH	3540C/8082
% TCMX	53		%	03/31/11		MH	3540C/8082

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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

Phyllis Shiller

Phyllis Shiller, Laboratory Director
April 05, 2011

Ver 1

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April 04, 2011

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Matrix:	SOLID	Collected by:		03/25/11	18:00
Location Code:	F&OPCBMA	Received by:	LB	03/30/11	13:43
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20110224.A1E				

Laboratory Data

SDG ID: GBA15066
Phoenix ID: BA15067

Project ID: CIVITECTS, PC
Client ID: 0325DD-PCB-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/11			E160.3
Caulk Extraction for PCB	Completed			03/30/11		Q/D	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1221	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1232	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1242	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1248	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1254	230000	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1260	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1262	ND	40000	mg/kg	04/01/11		MH	3540C/8082
PCB-1268	ND	40000	mg/kg	04/01/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	04/01/11		MH	3540C/8082
% TCMX	Diluted Out		%	04/01/11		MH	3540C/8082

Comments:

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Boston, MA 02122

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/25/11	18:00
Location Code:	F&OPCBMA	Received by:	LB	03/30/11	13:43
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20110224.A1E				

Laboratory Data

SDG ID: GBA15066
Phoenix ID: BA15068

Project ID: CIVITECTS, PC
Client ID: 0325DD-PCB-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/11			E160.3
Caulk Extraction for PCB	Completed			03/30/11		Q/D	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1221	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1232	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1242	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1248	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1254	5.1	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1260	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1262	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
PCB-1268	ND	0.83	mg/kg	04/01/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	124		%	04/01/11		MH	3540C/8082
% TCMX	110		%	04/01/11		MH	3540C/8082

Comments:

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Matrix:	SOLID	Collected by:		03/25/11	18:00
Location Code:	F&OPCBMA	Received by:	LB	03/30/11	13:43
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20110224.A1E				

Laboratory Data

SDG ID: GBA15066
Phoenix ID: BA15069

Project ID: CIVITECTS, PC
Client ID: 0325DD-PCB-04

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/30/11			E160.3
Caulk Extraction for PCB	Completed			03/30/11		Q/D	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1221	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1232	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1242	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1248	*	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1254	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1260	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1262	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
PCB-1268	ND	4.1	mg/kg	04/01/11		MH	3540C/8082
Total PCBs	23	4.1	mg/kg	04/01/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	04/01/11		MH	3540C/8082
% TCMX	Diluted Out		%	04/01/11		MH	3540C/8082

Project ID: CIVITECTS, PC
Client ID: 0325DD-PCB-04

Phoenix I.D.: BA15069

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is 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 aroclor 1248.

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

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Phyllis Shiller, Laboratory Director
April 05, 2011

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 05, 2011

QA/QC Data

SDG I.D.: GBA15066

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 173288, QC Sample No: BA15001 (BA15066, BA15067, BA15068, BA15069, BA15070)							
Polychlorinated Biphenyls							
PCB-1016	ND	112	113	0.9			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	99	99	0.0			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	115	98	98	0.0			
% TCMX (Surrogate Rec)	94	76	78	2.6			

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

Phyllis Shiller

Phyllis Shiller, Laboratory Director
April 05, 2011

Tuesday, April 05, 2011

Requested Criteria: CAM

Sample Criteria Exceedences Report

GBA15066

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1016	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1221	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1232	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1242	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1248	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1254	ug/kg	MA	Cam Protocol	PCB SOIL RL	6100	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1260	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1262	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15066	F&OPCBMA	$PCB_SOXR	PCB-1268	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	810		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1016	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1221	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1232	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1242	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1248	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1254	ug/kg	MA	Cam Protocol	PCB SOIL RL	:3000000	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1260	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1262	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15067	F&OPCBMA	$PCB_SOXR	PCB-1268	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	00000C		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1016	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1221	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1232	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1242	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1248	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1254	ug/kg	MA	Cam Protocol	PCB SOIL RL	5100	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1260	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1262	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15068	F&OPCBMA	$PCB_SOXR	PCB-1268	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	830		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1016	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1221	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1232	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1242	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1248	ug/kg	MA	Cam Protocol	PCB SOIL RL	*	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1254	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1260	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1262	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15069	F&OPCBMA	$PCB_SOXR	PCB-1268	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1016	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg

Tuesday, April 05, 2011

Requested Criteria: CAM

Sample Criteria Exceedences Report

GBA15066

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1221	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1232	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1242	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1248	ug/kg	MA	Cam Protocol	PCB SOIL RL	*	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1254	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1260	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1262	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	ug/Kg
BA15070	F&OPCBMA	$PCB_SOXR	PCB-1268	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	4100		100	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.

MassDEP Analytical Protocol Certification Form

Laboratory Name: Phoenix Environmental Laboratories, Inc. **Project #:**

Project Location: CIVITECTS, PC **RTN:**

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

BA15066, BA15067, BA15068, BA15069, BA15070

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☑ Other: Solids

CAM Protocol (check all that apply below)

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☑	9014 Total Cyanide/PAC CAM V1 A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature*) in the field or laboratory, and prepared/analyzed with method holding times? (* see narrative)	☑ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements speified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes ☐ No

Responses to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☑ No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056(2)(k) and WSC-07-350

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☑ Yes ☐ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes ☐ No

All negative responses must be addressed in an attached laboratory narrative.

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

Authorized Signature: Greg Lawrence

Date: Tuesday, April 05, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

6

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- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☒ Other 50 Redfield St, Suite 100 Boston MA 02122

CHAIN-OF-CUSTODY RECORD 19455

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Civitects, PC	Cape Cod Community College-Nickerson Collection	20110224.AIE	Phoenix Labs

Report To: Bob May
Invoice To: Bob May
P.O. No.: 20110224.AIE
Sampler's Signature: [signature] Date: 3/25/11

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

Analysis Request: Total PCBs, Soxhlet Method 8082

Containers: Soil VOA Vial, [ ] methanol; Soil VOA Vial, [ ] water; Glass Soil Container (4) oz; Glass Soil Container [ ] Na_2SO_4; 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	Total PCBs, Soxhlet Method 8082	Glass Soil Container (4) oz	Comments
1	✓				0325DD-PCB-01	X	3/25/11	1300-1800	X	1	15066 INT. WINDOW GLAZING COMP (16)
2	✓				0325DD-PCB-02	X	3/25/11	↓	X	1	15067 EXT. BLACK WINDOW CAULK (15)
3	✓				0325DD-PCB-03	X	3/25/11	↓	X	1	15068 WHITE EXT. WINDOW GLAZE (15)
4	✓				0325DD-PCB-04	X	3/25/11	↓	X	1	15069 INT. BROWN WINDOW AND CAULK
5	✓				0325DD-PCB-05	X	3/25/11	↓	X	1	15070 INT. BROWN DOOR CAULK

Transfer Number	Relinquished By	Accepted By	Date	Time
1	[signature]	F+O Fridge	3/28/11	0900
2	F+O Fridge	[signature]	3/30/11	1129
3	[signature]	[signature]	3-30-11	1235
4	[signature]	[signature]		13:43

Reporting and Detection Limit Requirements:

Additional Comments: Mix pieces in each jar as homogeneous (i.e. composite) sample.

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June 17, 2011

Bob May
Fuss & O'Neill EnviroScience, LLC - MA
50 Redfield Street, Suite 100
Boston, MA 02122

Project Location: Cape Cod Community College
Client Job Number:
Project Number: 20110224.A24
Laboratory Work Order Number: 11F0396

Enclosed are results of analyses for samples received by the laboratory on June 10, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom

Holly L. Folsom
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill EnviroScience, LLC - MA
50 Redfield Street, Suite 100
Boston, MA 02122
ATTN: Bob May

REPORT DATE: 6/17/2011

PURCHASE ORDER NUMBER: 20110224.A24

PROJECT NUMBER: 20110224.A24

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11F0396

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Cape Cod Community College

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
609JH-B-01A	11F0396-01	Caulk		SW-846 8082	
609JH-B-01B	11F0396-02	Caulk		SW-846 8082	
609JH-B-02A	11F0396-03	Caulk		SW-846 8082	
609JH-B-02B	11F0396-04	Caulk		SW-846 8082	
609JH-B-03	11F0396-05	Caulk		SW-846 8082	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Cape Cod Community College | Sample Description: | Work Order: 11F0396

Date Received: 6/10/2011

Field Sample #: 609JH-B-01A | Sampled: 6/9/2011 00:00

Sample ID: 11F0396-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1221 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1232 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1242 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1248 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1254 [2]	2.9	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1260 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1262 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG
Aroclor-1268 [1]	ND	0.86	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		6/15/11 17:15
Decachlorobiphenyl [2]	101	30-150		6/15/11 17:15
Tetrachloro-m-xylene [1]	102	30-150		6/15/11 17:15
Tetrachloro-m-xylene [2]	103	30-150		6/15/11 17:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Cape Cod Community College
Sample Description:
Work Order: 11F0396

Date Received: 6/10/2011

Field Sample #: 609JH-B-01B
Sampled: 6/9/2011 00:00

Sample ID: 11F0396-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1221 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1232 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1242 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1248 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1254 [2]	2.1	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1260 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1262 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG
Aroclor-1268 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.0	30-150		6/15/11 17:29
Decachlorobiphenyl [2]	77.1	30-150		6/15/11 17:29
Tetrachloro-m-xylene [1]	78.7	30-150		6/15/11 17:29
Tetrachloro-m-xylene [2]	78.9	30-150		6/15/11 17:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Cape Cod Community College | Sample Description: | Work Order: 11F0396

Date Received: 6/10/2011

Field Sample #: 609JH-B-02A | Sampled: 6/9/2011 00:00

Sample ID: 11F0396-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1221 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1232 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1242 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1248 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1254 [2]	5.3	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1260 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1262 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG
Aroclor-1268 [1]	ND	0.94	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.4	30-150		6/15/11 17:43
Decachlorobiphenyl [2]	102	30-150		6/15/11 17:43
Tetrachloro-m-xylene [1]	87.7	30-150		6/15/11 17:43
Tetrachloro-m-xylene [2]	91.5	30-150		6/15/11 17:43

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Cape Cod Community College
Sample Description:
Work Order: 11F0396

Date Received: 6/10/2011

Field Sample #: 609JH-B-02B
Sampled: 6/9/2011 00:00

Sample ID: 11F0396-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1221 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1232 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1242 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1248 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1254 [2]	5.4	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1260 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1262 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG
Aroclor-1268 [1]	ND	0.88	mg/Kg	5		SW-846 8082	6/13/11	6/15/11 17:58	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	69.0	30-150		6/15/11 17:58
Decachlorobiphenyl [2]	103	30-150		6/15/11 17:58
Tetrachloro-m-xylene [1]	85.8	30-150		6/15/11 17:58
Tetrachloro-m-xylene [2]	90.3	30-150		6/15/11 17:58

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Project Location: Cape Cod Community College
Sample Description:
Work Order: 11F0396

Date Received: 6/10/2011

Field Sample #: 609JH-B-03
Sampled: 6/9/2011 00:00

Sample ID: 11F0396-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1248 [2]	84	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1254 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082	6/13/11	6/15/11 15:48	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	148	30-150		6/15/11 15:48
Decachlorobiphenyl [2]	111	30-150		6/15/11 15:48
Tetrachloro-m-xylene [1]	108	30-150		6/15/11 15:48
Tetrachloro-m-xylene [2]	97.9	30-150		6/15/11 15:48

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11F0396-01 [609JH-B-01A]	B032004	0.582	10.0	06/13/11
11F0396-02 [609JH-B-01B]	B032004	0.570	10.0	06/13/11
11F0396-03 [609JH-B-02A]	B032004	0.533	10.0	06/13/11
11F0396-04 [609JH-B-02B]	B032004	0.571	10.0	06/13/11
11F0396-05 [609JH-B-03]	B032004	0.526	10.0	06/13/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B032004 - SW-846 3540C										
Blank (B032004-BLK1)				Prepared: 06/13/11 Analyzed: 06/15/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.92*		mg/Kg	4.00		98.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.01*		mg/Kg	4.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	*3.78*		mg/Kg	4.00		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.14*		mg/Kg	4.00		104	30-150			
LCS (B032004-BS1)				Prepared: 06/13/11 Analyzed: 06/15/11						
Aroclor-1016	3.6	0.20	mg/Kg	4.00		89.1	40-140			
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		86.4	40-140			
Aroclor-1260	3.6	0.20	mg/Kg	4.00		89.4	40-140			
Aroclor-1260 [2C]	3.6	0.20	mg/Kg	4.00		90.2	40-140			
Surrogate: Decachlorobiphenyl	*3.93*		mg/Kg	4.00		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.04*		mg/Kg	4.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*3.96*		mg/Kg	4.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.19*		mg/Kg	4.00		105	30-150			
LCS Dup (B032004-BSD1)				Prepared: 06/13/11 Analyzed: 06/15/11						
Aroclor-1016	3.9	0.20	mg/Kg	4.00		96.4	40-140	7.86	30	
Aroclor-1016 [2C]	3.7	0.20	mg/Kg	4.00		91.8	40-140	6.07	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		90.2	40-140	0.790	30	
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		95.2	40-140	5.44	30	
Surrogate: Decachlorobiphenyl	*4.20*		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.29*		mg/Kg	4.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*4.20*		mg/Kg	4.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.41*		mg/Kg	4.00		110	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

11F0396

Company Name: Fuss & O'Neill
Address: 50 Redfield ST Suite 100
Boston, MA 02122
Attention: Bob May
Project Location: Cape Cod Community College
Sampled By: Jon Hand

Telephone: 401-595-8270
Project #: 20110224.A2B
Client PO#:

DATA DELIVERY (check all that apply)
O FAX ☒ EMAIL O WEBSITE
Fax #:
Email: RMay@Fando.com
Format: O PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB Soxhlet (Bulk)	I	H	G	# of Containers	** Preservation	***Container Code
-1	609JH-B-01A	6/9/11	AM/PM		X	S		X						
-2	-01B	↓	↓		↓	↓		X						
-3	609JH-B-02A							X						
-4	-02B							X						
-5	609JH-B-03	↓	↓		↓	↓		X						

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:
Alla 5.1°C 6/10/11 17:32

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Jon Hand	6/9/11 1700
Received by: (signature) Jon Hand	Date/Time: 6/9/11 1700
Relinquished by: (signature)	Date/Time: 6/10/11 1215
Received by: (signature)	Date/Time: 6/10/11 1210

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
O MCP Analytical Certification Form Required
O RCP Analysis Certification Form Required
O MA State DW Form Required PWSID # _____

nelac AIHA NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED

6/10/11 1750

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Fuss + O'Neill RECEIVED BY: [illegible] DATE: 6/10/17

1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples? Yes No
If not, explain:

3) Are all the samples in good condition? Yes No
If not, explain:

4) How were the samples received:
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1°C

5) Are there Dissolved samples for the lab to filter? Yes No
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	5
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

Doc# 277
Rev. 1 May 2011

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ANALYTICAL LABORATORY
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May 24, 2012

Allen Walker
Arcadis US Inc. - Braintree, MA
194 Forbes Road
Braintree, MA 02184

Project Location: CCCC
Client Job Number:
Project Number: BN030631.0000
Laboratory Work Order Number: 12E0720

Enclosed are results of analyses for samples received by the laboratory on May 17, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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Arcadis US Inc. - Braintree, MA
194 Forbes Road
Braintree, MA 02184
ATTN: Allen Walker

REPORT DATE: 5/24/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: BN030631.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12E0720

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: CCCC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Brick-1A-0-0.5in	12E0720-01	Brick		SW-846 8082A	
Brick-1B-0.5-1in	12E0720-02	Brick		SW-846 8082A	
Dup-1	12E0720-03	Brick		SW-846 8082A	
Brick-2A-0-0.5in	12E0720-04	Brick		SW-846 8082A	
Brick-2B-0.5-1in	12E0720-05	Brick		SW-846 8082A	
Brick-3A-0-0.5in	12E0720-06	Brick		SW-846 8082A	
Brick-3B-0.5-1in	12E0720-07	Brick		SW-846 8082A	
EB-01	12E0720-12	Equipment Blank Soil		SW-846 8082A	
EB-02	12E0720-13	Equipment Blank Soil		SW-846 8082A	
Concrete-3A-0-0.5in	12E0720-14	Concrete		SW-846 8082A	
Concrete-3B-0.5-1in	12E0720-15	Concrete		SW-846 8082A	
Concrete-3C-1-1.5in	12E0720-16	Concrete		SW-846 8082A	
Concrete-3D-1.5-2in	12E0720-17	Concrete		SW-846 8082A	
Concrete-4A-0-0.5in	12E0720-18	Concrete		SW-846 8082A	
Concrete-4B-0.5-1in	12E0720-19	Concrete		SW-846 8082A	
Concrete-4C-1-1.5in	12E0720-20	Concrete		SW-846 8082A	
Concrete-4D-1.5-2in	12E0720-21	Concrete		SW-846 8082A	
Dup-02	12E0720-22	Caulk		SW-846 8082A	
Caulk-Brown-1	12E0720-23	Caulk		SW-846 8082A	
Caulk-Brown-2	12E0720-24	Caulk		SW-846 8082A	
Caulk-Brown-3	12E0720-25	Caulk		SW-846 8082A	
Caulk-Black-1	12E0720-26	Caulk		SW-846 8082A	
Caulk-Black-2	12E0720-27	Caulk		SW-846 8082A	
Caulk-Black-3	12E0720-28	Caulk		SW-846 8082A	
Concrete-5A-0-0.5in	12E0720-29	Concrete		SW-846 8082A	
Concrete-5B-0.5-1in	12E0720-30	Concrete		SW-846 8082A	
Concrete-6A-0-0.5in	12E0720-31	Concrete		SW-846 8082A	
Concrete-6B-0.5-1in	12E0720-32	Concrete		SW-846 8082A	
CMU-1A-0-0.5in	12E0720-33	Concrete		SW-846 8082A	
CMU-1B-0.5-1in	12E0720-34	Concrete		SW-846 8082A	
CMU-2A-0-0.5in	12E0720-35	Concrete		SW-846 8082A	
CMU-2B-0.5-1in	12E0720-36	Concrete		SW-846 8082A	
CMU-3A-0-0.5in	12E0720-37	Concrete		SW-846 8082A	
CMU-3B-0.5-1in	12E0720-38	Concrete		SW-846 8082A	
Glazing-LT. Gray-1	12E0720-39	Caulk		SW-846 8082A	
Glazing-LT. Gray-2	12E0720-40	Caulk		SW-846 8082A	
Glazing-LT. Gray-3	12E0720-41	Caulk		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

Analyte & Samples(s) Qualified:

Aroclor-1260, Aroclor-1260 [2C]

B051859-MS1, B051859-MSD1

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

12E0720-14[Concrete-3A-0-0.5in], 12E0720-18[Concrete-4A-0-0.5in], 12E0720-23[Caulk-Brown-1], 12E0720-26[Caulk-Black-1], 12E0720-27[Caulk-Black-2], 12E0720-28[Caulk-Black-3]

Sample matrix is solvent used for equipment blank. No extraction performed.

Analyte & Samples(s) Qualified:

12E0720-12[EB-01], 12E0720-13[EB-02]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CCCC
Sample Description:
Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Brick-1A-0-0.5in
Sampled: 5/15/2012 10:00

Sample ID: 12E0720-01

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1254 [2]	0.38	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:38	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		5/22/12 10:38
Decachlorobiphenyl [2]	120	30-150		5/22/12 10:38
Tetrachloro-m-xylene [1]	100	30-150		5/22/12 10:38
Tetrachloro-m-xylene [2]	110	30-150		5/22/12 10:38

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Project Location: CCCC | Sample Description: | Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Brick-1B-0.5-1in | Sampled: 5/15/2012 10:39

Sample ID: 12E0720-02

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1254 [1]	0.54	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 10:51	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		5/22/12 10:51
Decachlorobiphenyl [2]	117	30-150		5/22/12 10:51
Tetrachloro-m-xylene [1]	105	30-150		5/22/12 10:51
Tetrachloro-m-xylene [2]	115	30-150		5/22/12 10:51

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Project Location: CCCC
Sample Description:
Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Dup-1
Sampled: 5/15/2012 00:00

Sample ID: 12E0720-03

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1254 [1]	0.39	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:04	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		5/22/12 11:04
Decachlorobiphenyl [2]	116	30-150		5/22/12 11:04
Tetrachloro-m-xylene [1]	90.3	30-150		5/22/12 11:04
Tetrachloro-m-xylene [2]	98.9	30-150		5/22/12 11:04

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Work Order: 12E0720

Project Location: CCCC
Sample Description:
Date Received: 5/17/2012
Field Sample #: Brick-2A-0-0.5in
Sampled: 5/15/2012 11:05
Sample ID: 12E0720-04
Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1254 [2]	0.64	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		5/22/12 11:17
Decachlorobiphenyl [2]	110	30-150		5/22/12 11:17
Tetrachloro-m-xylene [1]	102	30-150		5/22/12 11:17
Tetrachloro-m-xylene [2]	112	30-150		5/22/12 11:17

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Project Location: CCCC
Sample Description:
Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Brick-2B-0.5-1in
Sampled: 5/15/2012 11:20

Sample ID: 12E0720-05

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1254 [2]	0.25	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:29	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		5/22/12 11:29
Decachlorobiphenyl [2]	108	30-150		5/22/12 11:29
Tetrachloro-m-xylene [1]	101	30-150		5/22/12 11:29
Tetrachloro-m-xylene [2]	111	30-150		5/22/12 11:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CCCC | Sample Description: | Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Brick-3A-0-0.5in | Sampled: 5/15/2012 11:40

Sample ID: 12E0720-06

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1254 [2]	0.49	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:43	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		5/22/12 11:43
Decachlorobiphenyl [2]	110	30-150		5/22/12 11:43
Tetrachloro-m-xylene [1]	108	30-150		5/22/12 11:43
Tetrachloro-m-xylene [2]	119	30-150		5/22/12 11:43

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Project Location: CCCC
Sample Description:
Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Brick-3B-0.5-1in
Sampled: 5/15/2012 12:10

Sample ID: 12E0720-07

Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1254 [1]	0.58	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/22/12 11:56	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.4	30-150		5/22/12 11:56
Decachlorobiphenyl [2]	103	30-150		5/22/12 11:56
Tetrachloro-m-xylene [1]	105	30-150		5/22/12 11:56
Tetrachloro-m-xylene [2]	115	30-150		5/22/12 11:56

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Work Order: 12E0720

Project Location: CCCC
Sample Description:

Date Received: 5/17/2012
Sampled: 5/15/2012 14:30

Field Sample #: EB-01

Sample ID: 12E0720-12

Sample Matrix: Equipment Blank Soil

Sample Flags: Z-01

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1221 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1232 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1242 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1248 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1254 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1260 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1262 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC
Aroclor-1268 [1]	ND	20	µg/L	1		SW-846 8082A	5/22/12	5/23/12 8:36	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]		30-150		5/23/12 8:36
Decachlorobiphenyl [2]		30-150		5/23/12 8:36
Tetrachloro-m-xylene [1]		30-150		5/23/12 8:36
Tetrachloro-m-xylene [2]		30-150		5/23/12 8:36

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CCCC
Date Received: 5/17/2012
Field Sample #: Caulk-Brown-3
Sample ID: 12E0720-25
Sample Matrix: Caulk

Sample Description:
Sampled: 5/16/2012 13:00

Work Order: 12E0720

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	An
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1248 [2]	4.4	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1254 [2]	3.2	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	5/18/12	5/22/12 13:44	M

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.1	30-150		5/22/12 13:44
Decachlorobiphenyl [2]	103	30-150		5/22/12 13:44
Tetrachloro-m-xylene [1]	108	30-150		5/22/12 13:44
Tetrachloro-m-xylene [2]	117	30-150		5/22/12 13:44

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CCCC | Sample Description: | Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Caulk-Black-1 | Sampled: 5/16/2012 15:00

Sample ID: 12E0720-26

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1221 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1232 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1242 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1248 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1254 [2]	130000	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1260 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1262 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC
Aroclor-1268 [1]	ND	9700	mg/Kg	50000		SW-846 8082A	5/18/12	5/24/12 14:06	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	5/24/12 14:06
Decachlorobiphenyl [2]	*	30-150	S-01	5/24/12 14:06
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/24/12 14:06
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/24/12 14:06

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: CCCC
Sample Description:
Work Order: 12E0720

Date Received: 5/17/2012

Field Sample #: Concrete-6A-0-0.5in
Sampled: 5/16/2012 13:25

Sample ID: 12E0720-31

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1254 [2]	1.2	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	5/18/12	5/23/12 0:40	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		5/23/12 0:40
Decachlorobiphenyl [2]	91.2	30-150		5/23/12 0:40
Tetrachloro-m-xylene [1]	92.1	30-150		5/23/12 0:40
Tetrachloro-m-xylene [2]	92.8	30-150		5/23/12 0:40