



Monday, March 25, 2019

Attn: Kevin McCarthy
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
SDG ID: GCC70132
Sample ID#s: CC70132 - CC70142

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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

Sample Id Cross Reference

March 25, 2019

SDG I.D.: GCC70132

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL

Client Id	Lab Id	Matrix
0315BS-01	CC70132	BULK
0315BS-02	CC70133	BULK
0315BS-03	CC70134	BULK
0315BS-04	CC70135	BULK
0315BS-05	CC70136	BULK
0315BS-06	CC70137	BULK
0315BS-07	CC70138	BULK
0315BS-08	CC70139	BULK
0315BS-09	CC70140	BULK
0315BS-10	CC70141	BULK
0315BS-11	CC70142	BULK



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70132

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1221	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1232	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1242	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1248	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1254	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1260	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1262	ND	490	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1268	ND	490	ug/Kg	2	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	56		%	2	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	62		%	2	03/20/19	SC	30 - 150 %
% TCMX	45		%	2	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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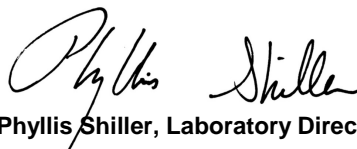
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Comments:

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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70133

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-02

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1221	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1232	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1242	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1248	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1254	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1260	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1262	ND	430	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1268	ND	430	ug/Kg	2	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	45		%	2	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	55		%	2	03/20/19	SC	30 - 150 %
% TCMX	49		%	2	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	55		%	2	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70134

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-03

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1221	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1232	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1242	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1248	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1254	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1260	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1262	ND	650	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1268	ND	650	ug/Kg	2	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	43		%	2	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	55		%	2	03/20/19	SC	30 - 150 %
% TCMX	47		%	2	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	53		%	2	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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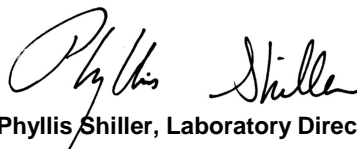
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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70135

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-04

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1221	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1232	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1242	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1248	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1254	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1260	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1262	ND	790	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1268	ND	790	ug/Kg	5	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	88		%	5	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	84		%	5	03/20/19	SC	30 - 150 %
% TCMX	78		%	5	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	75		%	5	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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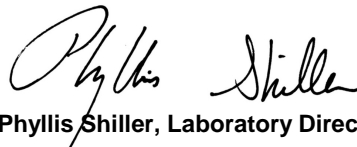
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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70136

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-05

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1221	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1232	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1242	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1248	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1254	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1260	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1262	ND	620	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1268	ND	620	ug/Kg	2	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	61		%	2	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	64		%	2	03/20/19	SC	30 - 150 %
% TCMX	44		%	2	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	64		%	2	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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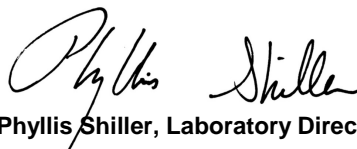
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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19

Time

03/19/19 10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70137

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-06

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1221	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1232	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1242	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1248	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1254	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1260	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1262	ND	410	ug/Kg	1	03/20/19	SC	SW8082A
PCB-1268	ND	410	ug/Kg	1	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	43		%	1	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	48		%	1	03/20/19	SC	30 - 150 %
% TCMX	30		%	1	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	45		%	1	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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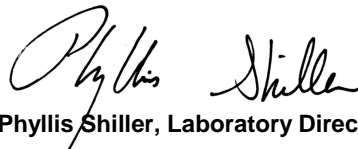
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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
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Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70138

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-07

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1221	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1232	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1242	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1248	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1254	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1260	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1262	ND	800	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1268	ND	800	ug/Kg	5	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	86		%	5	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	87		%	5	03/20/19	SC	30 - 150 %
% TCMX	63		%	5	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	63		%	5	03/20/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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Analysis Report

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70139

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-08

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1221	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1232	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1242	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1248	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1254	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1260	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1262	ND	780	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1268	ND	780	ug/Kg	5	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	76		%	5	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	73		%	5	03/20/19	SC	30 - 150 %
% TCMX	64		%	5	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	59		%	5	03/20/19	SC	30 - 150 %

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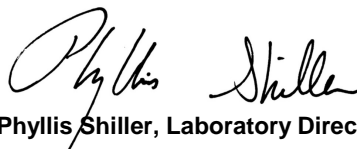
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, 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

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70140

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-09

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/20/19	XX/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1221	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1232	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1242	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1248	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1254	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1260	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1262	ND	750	ug/Kg	5	03/21/19	SC	SW8082A
PCB-1268	ND	750	ug/Kg	5	03/21/19	SC	SW8082A

QA/QC Surrogates

% DCBP	88		%	5	03/21/19	SC	30 - 150 %
% DCBP (Confirmation)	87		%	5	03/21/19	SC	30 - 150 %
% TCMX	73		%	5	03/21/19	SC	30 - 150 %
% TCMX (Confirmation)	76		%	5	03/21/19	SC	30 - 150 %

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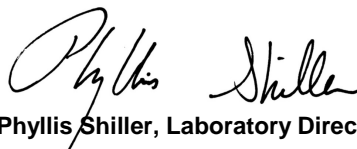
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, 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

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70141

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1221	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1232	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1242	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1248	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1254	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1260	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1262	ND	330	ug/Kg	2	03/20/19	SC	SW8082A
PCB-1268	ND	330	ug/Kg	2	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	35		%	2	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	33		%	2	03/20/19	SC	30 - 150 %
% TCMX	40		%	2	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	53		%	2	03/20/19	SC	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, 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

March 25, 2019

FOR: Attn: Kevin McCarthy
 Tighe & Bond
 213 Court St, Suite 1100
 Middletown, CT 06457

Sample Information

Matrix: BULK
 Location Code: TIGHE
 Rush Request: Standard
 P.O.#: 28-2087-0331

Custody Information

Collected by: BS/BH
 Received by: SW
 Analyzed by: see "By" below

Date

03/15/19
 03/19/19

Time

10:56

Laboratory Data

SDG ID: GCC70132
 Phoenix ID: CC70142

Project ID: SMTF-ROXBURY ELEMENTARY SCHOOL
 Client ID: 0315BS-11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/19/19	XX/AK/ML	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1221	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1232	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1242	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1248	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1254	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1260	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1262	ND	730	ug/Kg	5	03/20/19	SC	SW8082A
PCB-1268	ND	730	ug/Kg	5	03/20/19	SC	SW8082A

QA/QC Surrogates

% DCBP	85		%	5	03/20/19	SC	30 - 150 %
% DCBP (Confirmation)	84		%	5	03/20/19	SC	30 - 150 %
% TCMX	63		%	5	03/20/19	SC	30 - 150 %
% TCMX (Confirmation)	62		%	5	03/20/19	SC	30 - 150 %

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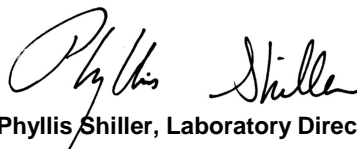
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

March 25, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



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

QA/QC Report

March 25, 2019

QA/QC Data

SDG I.D.: GCC70132

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 471010 (ug/Kg), QC Sample No: CC69179 10X (CC70140)

Polychlorinated Biphenyls - Bulk

PCB-1016	ND	170	90	99	9.5				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	99	107	7.8				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	95	%	102	105	2.9				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	109	%	111	97	13.5				30 - 150	30
% TCMX (Surrogate Rec)	86	%	96	91	5.3				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	88	%	100	96	4.1				30 - 150	30

Comment:

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

QA/QC Batch 470837 (ug/Kg), QC Sample No: CC69919 10X (CC70132, CC70133, CC70134, CC70135, CC70136, CC70137, CC70138, CC70139, CC70141, CC70142)

Polychlorinated Biphenyls - Bulk

PCB-1016	ND	170	84	79	6.1				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	94	97	3.1				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	101	%	101	106	4.8				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	102	%	95	106	10.9				30 - 150	30
% TCMX (Surrogate Rec)	95	%	93	86	7.8				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	86	%	85	83	2.4				30 - 150	30

Comment:

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

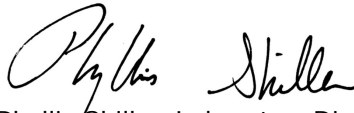
QA/QC Data

SDG I.D.: GCC70132

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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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
March 25, 2019

Monday, March 25, 2019

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCC70132 - TIGHE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



Analysis Comments

March 25, 2019

SDG I.D.: GCC70132

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

PCB Narration

AU-ECD5 03/20/19-1: CC70133, CC70134

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CC70133, CC70134

Preceding CC 320B027 - DCBP SURR 17%L (15%)

Succeeding CC 320B040 - None.

2.2 encl
10

Tighe & Bond

PCB SOURCE SAMPLE CHAIN OF CUSTODY

Project Number: 28-2087-0331 **Date:** 3/18/2019
Project Name: SMTF - Roxbury Elementary School **Page:** 1 of 1
Site Address: Stamford, CT
Project Manager: Kevin McCarthy

Sample ID	Sample Location	Material	Substrate	Date Collected	Time Collected	Notes
0315BS-01	Media Center - Main Windows	White Caulking	Blue Block	3/15/2019	AM	70132
0315BS-02	Media Center - Main Windows	White Caulking	Blue Block	3/15/2019	AM	70133
0315BS-03	Media Center - Main Windows	White Caulking	Blue Block	3/15/2019	AM	70134
0315BS-04	Media Center - Main Windows	Black Caulking	Blue Block	3/15/2019	AM	70135
0315BS-05	Media Center - Main Windows	Black Caulking	Blue Block	3/15/2019	AM	70136
0315BS-06	Media Center - Main Windows	Black Caulking	Blue Block	3/15/2019	AM	70137
0315BS-07	Media Center - Side Windows	Red Caulking	Brick	3/15/2019	AM	70138
0315BS-08	Media Center - Side Windows	Red Caulking	Brick	3/15/2019	AM	70139
0315BS-09	Media Center - Side Windows	Red Caulking	Brick	3/15/2019	AM	70140
0315BS-10	Media Center - Side Windows	Black Caulking (Type 2)	Brick	3/15/2019	AM	70141
0315BS-11	Media Center - Side Windows	Black Caulking (Type 2)	Brick	3/15/2019	AM	70142

Analysis Method: EPA Method 3500B/3540C (extraction), EPA Method 8082 (analysis) **Laboratory:** Phoenix **Turnaround Time:** 5 day
Email PDF of Results to: kmccarthy@tighebond.com **Reporting Limit:** <1 ppm

Special Instructions:
Samples Collected By: B. Sirowich/B. Hobbins **Date:** 3/15/2019 **Time:** 8:52
Relinquished [By][To]: [Signature] [Signature] **Date:** 3/19/19 **Time:** 10:56
Relinquished [By][To]: [Signature] [Signature] **Date:** [] **Time:** []
Relinquished [By][To]: [Signature] [Signature] **Date:** [] **Time:** []