Tighe&Bond

Hart Magnet Elementary School Exterior Window Caulking

Hazardous Building Materials Assessment

Prepared For:

Stamford Mold Task Force

May 2019

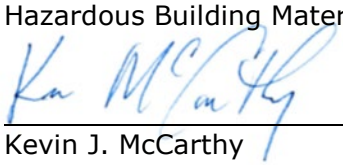
Hazardous Building Materials Assessment Report Prepared for:

City of Stamford
Mold Task Force
Office of Administration, 10th Floor
888 Washington Avenue
Stamford, CT 06901

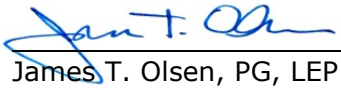
Hazardous Building Materials Assessment Performed by:

Brian N. Sirowich
Project Environmental Scientist 2
CTDPH Asbestos Inspector License #342

Hazardous Building Materials Assessment Report Reviewed and Approved By:



Kevin J. McCarthy
Project Manager



James T. Olsen, PG, LEP
Vice President

Table of Contents

Tighe&Bond

Section 1
Introduction

Tighe & Bond, Inc. (Tighe & Bond) was retained by the Stamford Mold Task Force (the "Client") to complete a Hazardous Building Materials Assessment (the "Assessment") at Hart Magnet Elementary School located at 61 Adams Avenue in Stamford, Connecticut (the "site").

The Assessment was performed on March 22, 2019, by Mr. Brian N. Sirowich of Tighe & Bond, a Connecticut licensed asbestos inspector. Mr. Sirowich's license and accreditation are included as Appendix A of this report. The Assessment was performed due to proposed re-caulking of the window systems as part of the Mold Task Force work at the site.

1.1 Assessment Summary

The Assessment at the site was conducted with the understanding that the Client is scheduled to replace the window caulking at the site. Other exterior caulking (expansion joints, doors, vents, etc.) of the school building not scheduled for replacement were not included in this Assessment.

The site is an elementary school operated by the City of Stamford. The main school building footprint encompasses approximately 82,600 square feet. The original portion of the school was constructed circa 1914 with classroom and auditorium additions in the 1990's. The exterior of the building is constructed with brick masonry. Two types of caulking were identified that are associated with the window systems. White caulking was observed around the majority of the smaller windows and a red caulking was identified adjacent to the auditorium entrance. Photographs of the window systems and associated caulking are included in Appendix B.

The Assessment included a visual assessment of suspect hazardous building materials (asbestos and polychlorinated biphenyls [PCBs]), and physical bulk sampling of suspect asbestos and PCB-containing materials. Asbestos and PCB sample locations are depicted in Figures 1.1 and 1.2.

Section 2
Assessment Protocols

2.1 Asbestos-Containing Materials

Prior to any type of building demolition or renovation, a thorough investigation is required to identify and quantify asbestos containing materials (ACM) which may be impacted by the demolition or renovation activities. The survey is required by the United States Environmental Protection Agency (EPA) National Emissions Standard for Hazardous Air Pollutants (NESHAP) regulations (Title 40 CFR, Part 61, Subpart M), State of Connecticut Department of Public Health (CTDPH) Standards for Asbestos Abatement (19a-332a-1 – 19a-332a-23) as well as applicable portions of the Occupational Safety and Health Administration (OSHA) CFR 1926.1101 asbestos in construction regulations.

The Assessment included a visual inspection to locate, as far as practical, suspect ACM associated with the window caulking. The majority of the Assessment involved visible and accessible materials along the exterior of the building.

Suspect materials were divided into "homogeneous materials", building materials which were determined by the inspector to be homogeneous based on their color, texture, and age. During the asbestos portion of the Assessment, the sample locations, types of material, quantities and asbestos content, were recorded in tabular form.

The EPA recommends collecting samples of suspect ACM in a manner sufficient to determine asbestos content. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material, but the NESHAP regulation does recommend the use of sampling protocols outlined in the EPA Asbestos Hazard Emergency Response Act (AHERA) (Title 40 CFR, Part 763, Subpart E). Numbers of samples collected by Tighe & Bond at the site were based in part on the AHERA regulation.

Bulk material samples collected were logged on proper chain-of-custody forms for transport to EMSL Analytical Inc. (EMSL), of Wallingford, Connecticut, for analysis. EMSL is a Connecticut licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos laboratory. Initial asbestos sample analysis was conducted using the EPA Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the accreditation of the National Institute of Standards and Technology (NIST). Additionally, in accordance with EPA guidance documents, non-friable organically bound materials (NOB) (e.g., expansion caulk) were further analyzed by Transmission Electron Microscopy (TEM) to confirm PLM analysis.

The EPA, OSHA, and the CTDPH define a material that contains greater than one percent (>1%) asbestos, utilizing PLM/DS, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos. Materials containing less than one percent (<1%) asbestos are regulated to a degree by OSHA related to work practices, worker exposure, and waste containerization.

2.2 Polychlorinated Biphenyl-Containing Building Materials

PCBs in building materials have received extensive attention over recent years by environmental regulators, consultants, and contractors, and PCBs are increasingly being identified in buildings that may undergo demolition or renovation. Buildings/structures that were constructed (or renovated) between the 1950s and the late 1970s have a greater potential to contain PCBs in certain building materials.

It is important to note that EPA regulations which govern the Toxic Substance Control Act (TSCA) requirements including PCBs and PCB Bulk Product Wastes require the proper disposal of PCB-containing building materials, however, there is no current regulatory requirement to sample for PCBs (local, state or federal) prior to renovation or demolition.

Regardless of the regulatory sampling requirements, many waste/recycling receiving facilities may request PCB sampling to be performed. If it is suspected that PCBs could be present, it is important to also mitigate potential human health and safety risk to abatement/demolition contractors and owners' potential liability associated with the proper recycling/disposal of certain generated demolition waste materials.

Two types of window caulk were determined to be present and tested by Tighe & Bond. These samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut, a Connecticut-accredited laboratory, for analysis of PCBs utilizing the EPA 3540C Soxhlet Extraction and SW 846 8082 analytical method.

Source material sampling involved removal of the source materials using hand tools to submit in bulk form to determine PCB content. The sampling tools utilized during the sampling were properly decontaminated prior to sample collection and following the collection of each individual sample in accordance with EPA guidelines to prevent cross-contamination of samples.

Presently, source materials containing PCBs at concentrations ≥50 parts per million (ppm) or the equivalent units of milligrams per kilogram (mg/kg) are regulated by the EPA and characterized as PCB Bulk Product Waste. Source materials containing <50 ppm may be regulated by the EPA unless proven to be an Excluded PCB Product. The definition of an Excluded PCB Product includes those products or source of the products containing <50 ppm concentration of PCBs that were legally manufactured, processed, distributed in commerce, or used before October 1, 1984. Based on the Excluded PCB Product definition, materials installed after 1984 and determined to contain PCBs in concentrations >1 ppm are considered PCB Remediation Waste. Source materials determined to be Excluded PCB Product containing >1 ppm PCBs but < 50 ppm PCBs are regulated by the Connecticut Department of Energy and Environmental Protection (CTDEEP). Source materials containing ≤1 ppm PCBs are considered non-regulated by the EPA and CTDEEP.

Section 3
Findings

3.1 Asbestos-Containing Materials

Four homogeneous materials were identified during the Assessment and three samples of suspect ACM anticipated to be impacted by the proposed replacement were collected. Materials observed to be homogeneous throughout the site (i.e. window caulk) were sampled in accordance with EPA regulations and analyzed by PLM/DS. The NOB material determined to be non-asbestos by PLM/DS analysis was further analyzed by TEM to determine asbestos content.

The red and white window caulking sampled during this Assessment were found to be non-ACM

A complete list of suspect homogenous material, along with sample ID numbers, material description and location is provided in Table 1. Refer to Figure 1 indicating locations of suspect asbestos samples collected. The laboratory analytical report and chain-of-custody forms for asbestos sampling conducted by Tighe & Bond are in Appendix C.

Suspect materials encountered during renovation that are not identified in this report as being non-ACM should be assumed to be ACM until sample collection and laboratory analysis indicate otherwise.

3.2 PCB-Containing Building Materials

Ten of the eleven window caulk samples collected and analyzed were determined to be none detected with laboratory reporting limits < 1 ppm. One sample, 0322BS-C4A (Red Window Caulk) contained PCBs at a concentration of 0.73 ppm. As such, materials sampled were determined to be unregulated for PCBs.

Refer to Table 2 for a detailed list of window caulk sampled by Tighe & Bond for PCBs. Refer to Figure 1 indicating locations of suspect PCB samples collected.

Laboratory analytical reports for PCB samples collected by Tighe & Bond are provided in Appendix D.

Section 4
Hazardous Building Material Assessment Limitations

This report has been prepared on behalf of and for the exclusive use of the Client and is subject to and issued in accordance with the Agreement and the provisions thereof. Documents provided on this project shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party without the prior written consent of Tighe & Bond. Reuse of documents by Client or others without Tighe & Bond's written permission and mutual agreement shall be at the user's sole risk, without liability on Tighe & Bond's part and Client agrees to indemnify and hold Tighe & Bond harmless from all claims, damages, and expenses, including attorney's fees, arising out of such unauthorized use or reuse.

Tighe & Bond performed the HBMA in accordance with our Agreement (including any stated scope and schedule limitations) and used the degree of care and skill ordinarily exercised under similar circumstances by members of the profession practicing in the same or similar locality. The HBMA may not identify all regulated building materials as our scope may be limited to certain locations within an identified structure(s). Tighe & Bond performed the HBMA using reasonable methods to access and identify the presence of suspect materials. Therefore, additional suspect materials may be enclosed/hidden in inaccessible areas, including within the interior of walls, beneath slabs, above fixed ceilings or otherwise not readily accessible. Occupied buildings spaces, including the presence of tenant/building owner's materials may have restricted our access or observations of suspect materials. Tighe & Bond did not access or disassemble electrical/mechanical equipment. If applicable and to the extent feasible, we recommend supplemental evaluations following full building vacancy. Unless otherwise noted, sampling of building materials for polychlorinated biphenyls (PCBs) was not performed and the evaluation of the potential presence of mold was not completed.

If an Opinion of Probable Construction Costs (OPCC) is provided, Tighe & Bond has no control over the cost or availability of labor, equipment or materials, or over market conditions or the contractor's method of pricing, and that the opinion of probable costs is made on the basis of Tighe & Bond's professional judgment and experience is based on currently available information. Tighe & Bond makes no guarantee nor warranty, expressed or implied, that the actual costs of the construction work will not vary from the OPCC.

This report is not intended to be utilized as a bidding document or as a project specification document. This report was prepared for use by the building owner and project team (i.e. architect, construction manager, general contractor, demolition contractor, abatement contractor) for locating identified hazardous regulated building materials within the contracted limits of the scope of services.

J:\S\S2087 Stamford\033 Mold Remediation Consulting\Sites\Hart Magnet\WIndow_Caulk_Assessment_Reporting\Hart_Window_caulk_Assessment.docx

Tighe&Bond

TABLES

TABLE 1
SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIALS
HART MAGNET ELEMENTARY SCHOOL
61 ADAMS AVENUE
STAMFORD, CONNECTICUT

Tighe&Bond
Engineers | Environmental Specialists

Sample #	Material Description	Color	Material Location	Approximate Quantity	Asbestos Result	Comment
0322BS-01A	White Window Caulk	White	Ground Floor Rear Exterior Window Special Ed Room 025	NA	ND[1]	
0322BS-01B	White Window Caulk	White	Ground Floor Side Exterior Window Special Ed Room 025	NA	ND	
0322BS-02A	White Window Caulk	White	First Floor Front Exterior Window Gym/Café Room 170	NA	ND[1]	
0322BS-02B	White Window Caulk	White	First Floor Front Exterior Window Small Group Instruction 172	NA	ND	
0322BS-03A	Red Window Caulk	Red	First Floor Front Window/Door System Vestibule 175	NA	ND[1]	
0322BS-03B	Red Window Caulk	Red	First Floor Front Window/Door System Vestibule 175	NA	ND	
0322BS-04A	White Window Caulk	White	Ground Floor Front Exterior Window Computer Room 016	NA	ND[1]	
0322BS-04B	White Window Caulk	White	Ground Floor Front Exterior Window Conference Room 112	NA	ND	

LEGEND

SURVEY PERFORMED BY: BRIAN N SIROWICH State License #:000342

ND = NONE DETECTED

[1] - CONFIRMATORY ANALYSIS VIA TEM NOB

NA = NOT APPLICABLE

TABLE 2
SUMMARY OF SUSPECT PCB-CONTAINING BUILDING MATERIALS
HART MAGNET ELEMENTARY SCHOOL
61 ADAMS AVENUE
STAMFORD, CONNECTICUTT

Tighe&Bond
Engineers | Environmental Specialists

Sample #	Material Description	Material Location	Substrate	PCB Results (PPM)	Comments
0322BS-C1A	White Window Caulk	Original - Rear Window Special Ed Rm 025	Concrete	ND<0.5	
0322BS-C1B	White Window Caulk	Original - Rear Window Pre-K Rm 029	Brick	ND<0.33	
0322BS-C1C	White Window Caulk	Original - Side Window Special Ed Rm 025	Concrete	ND<0.32	
0322BS-C1D	White Window Caulk	Original - Side Window Drama Rm 040	Brick	ND<0.8	
0322BS-C2A	White Window Caulk	Auditorium Addition Gym/Cafe Rm 170	Concrete	ND<0.78	
0322BS-C2B	White Window Caulk	Auditorium Addition Front Window Small Group Instruction Rm 172	Concrete	ND<0.8	
0322BS-C3A	Red Window Caulk	Auditorium Addition Front Vestibule Window	Brick	0.73	Lab Report identified this sample as Sample ID 0322BS-C2C
0322BS-C4A	White Window Caulk	94/96 Addition Front Computer Room 016	Brick	ND<0.33	
0322BS-C4B	White Window Caulk	94/96 Addition Front Conference Room 112	Brick	ND<0.78	
0322BS-C4C	White Window Caulk	94/96 Addition Rear HC Kindergarten Room 007	Concrete	ND<0.77	
0322BS-C4D	White Window Caulk	94/96 Addition Front Computer Room 016	Concrete	ND<0.78	

LEGEND

SURVEY PERFORMED BY: BRIAN N SIROWICH

PPM = PARTS PER MILLION

ND= NONE DETECTED

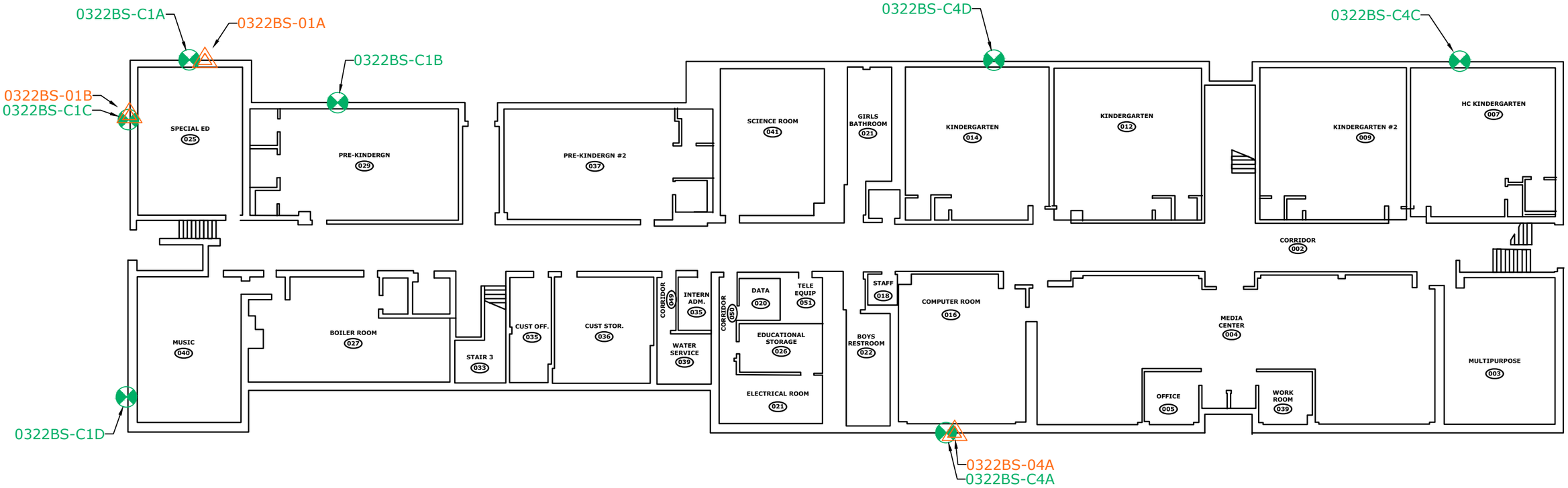
Tighe&Bond

FIGURES

LEGEND

= NON-ASBESTOS CONTAINING EXTERIOR SAMPLE LOCATION

= PCB SOURCE SAMPLE LOCATIONS



GROUND FLOOR PLAN

N

HART MAGNET ELEMENTARY SCHOOL
STAMFORD, CONNECTICUT

ASBESTOS AND PCB SAMPLE LOCATIONS GROUND FLOOR

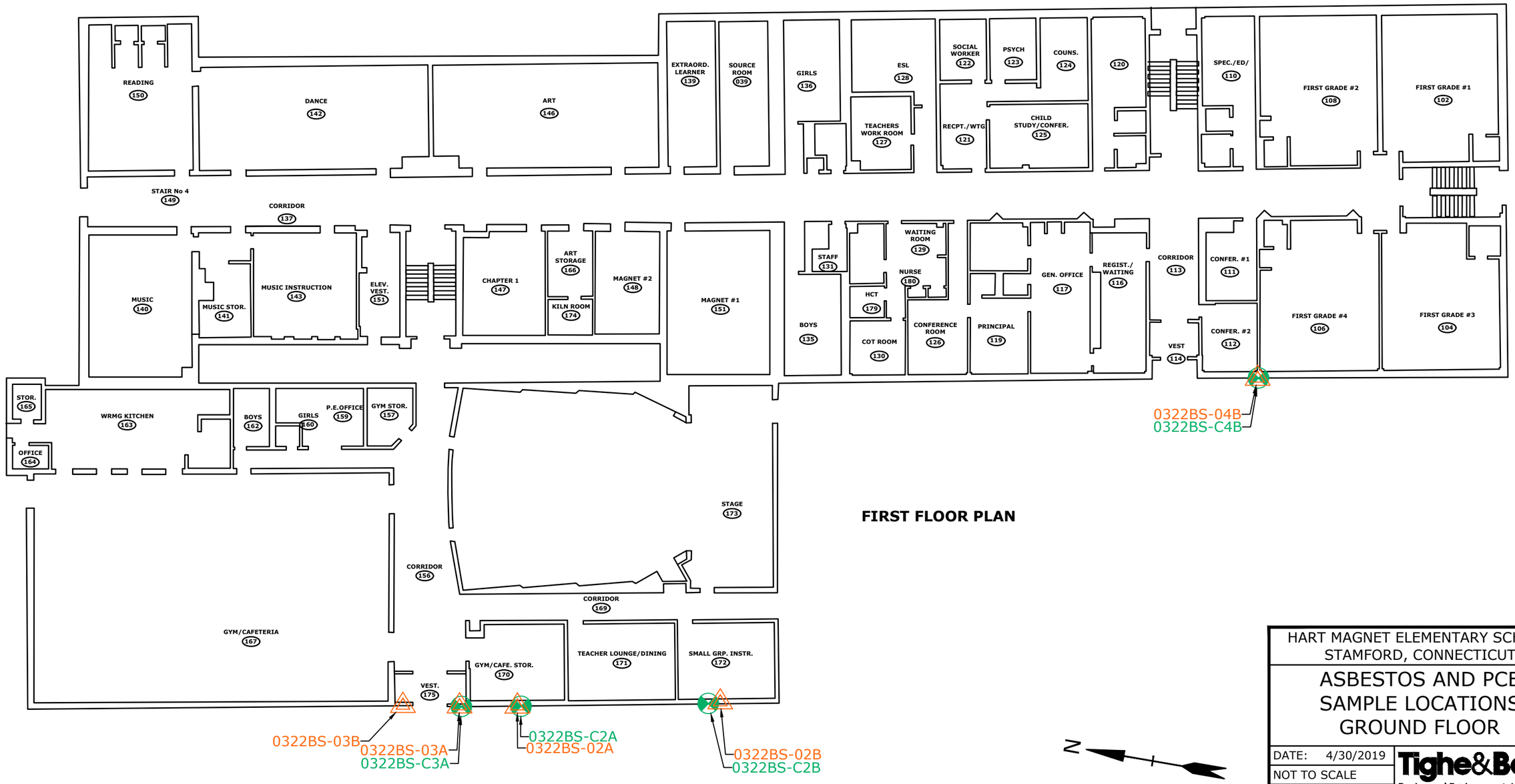
DATE: 4/30/2019
NOT TO SCALE
FIGURE FIGURE 1.1

Tighe&Bond
Engineers | Environmental Specialists

LEGEND

△ = NON-ASBESTOS CONTAINING EXTERIOR SAMPLE LOCATION

⊗ = PCB SOURCE SAMPLE LOCATIONS



FIRST FLOOR PLAN

HART MAGNET ELEMENTARY SCHOOL
STAMFORD, CONNECTICUT

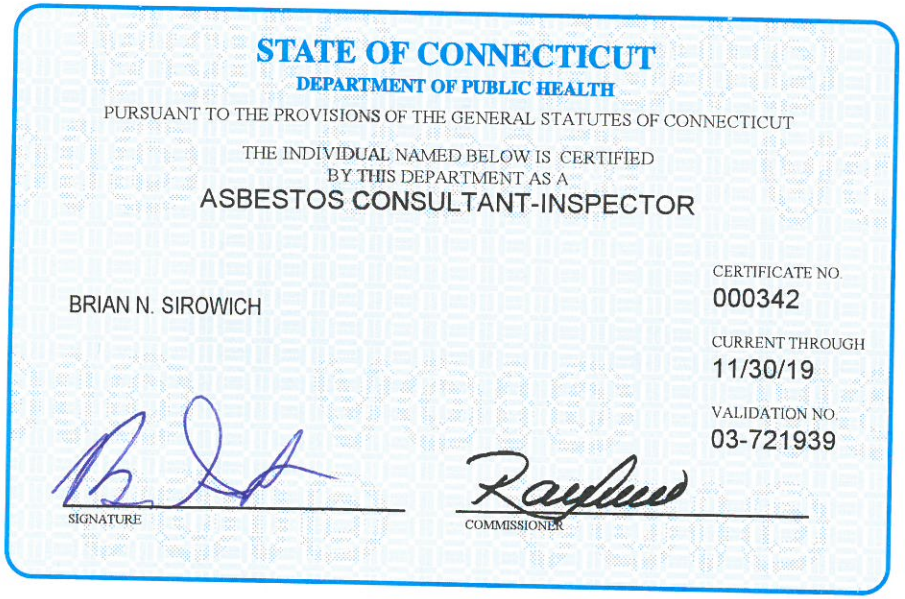
ASBESTOS AND PCB SAMPLE LOCATIONS GROUND FLOOR

DATE: 4/30/2019
NOT TO SCALE
FIGURE FIGURE 1.2

Tighe&Bond
Engineers | Environmental Specialists

Tighe&Bond

APPENDIX A



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

BRIAN N. SIROWICH

CERTIFICATE NO.
000342

CURRENT THROUGH
11/30/19

VALIDATION NO.
03-721939

SIGNATURE

COMMISSIONER

Big Apple Occupational Safety Inc

505 Eighth Avenue, #2305, New York, NY 10018
(212) 564-7656

This Is To Certify That

Brian Sirowich

SS#: XXX-XX-XXXX

has successfully completed the New York State Department of Health approved course entitled
This course meets requirements of TSCA Title II

Inspector Refresher

(The official record of successful completion is the DOH 2832 Certificate of completion
New York State Department of Health Certificate of Asbestos Safety Training)

Course Date: 10/05/2018

Examination Date: 10/05/2018

Expiration Date: 10/05/2019

Certificate Number: 822184

Examination Grade: 98%

Radha Reddy
Training Director

APPENDIX B

Appendix B - Photographic Log

Client: Stamford Mold Task Force
Site: Hart Magnet Elementary School
Job Number: 28-2087-033F

Photograph No.: 1	**Date:** 3/22/19	**Direction Taken:** —
Description: Original Building—Exterior White Window Caulking		

Photograph No.: 2	**Date:** 3/22/19	**Direction Taken:** —
Description: Original Building—Exterior White Window Caulking		

Appendix B - Photographic Log

Client: Stamford Mold Task Force
Site: Hart Magnet Elementary School
Job Number: 28-2087-033F

Photograph No.: 3	**Date:** 3/22/19	**Direction Taken:** —
Description: Auditorium Addition—Window/Door System		

Photograph No.: 4	**Date:** 3/22/19	**Direction Taken:** —
Description: Auditorium Addition—Exterior White Window Caulking		

Client: Stamford Mold Task Force

Site: Hart Magnet Elementary School

Job Number: 28-2087-033F

Photograph No.: 5	**Date:** 3/22/19	**Direction Taken:** —
Description: Building Addition—Exterior White Window Caulking		

Photograph No.: 6	**Date:** 3/22/19	**Direction Taken:** —
Description: Building Addition—Exterior White Window Caulking		

APPENDIX C

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order:	241901508
Customer ID:	TIGH62
Customer PO:	
Project ID:	

Attention:	Kevin McCarthy	**Phone:**	(203) 641-2782
	Tighe & Bond	**Fax:**	(860) 704-4775
	213 Court Street	**Received Date:**	03/27/2019 3:00 PM
	Suite 1100	**Analysis Date:**	04/03/2019
	Middletown, CT 06457	**Collected Date:**	03/22/2019

Project: 28-2087-033F/ HART ELEMENTARY SCHOOL WINDOW CAULKING REPLACEMENT, 61 ADAMS AVE, STAMFORD, CONNECTICUT

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0322BS-01A *241901508-0001*	Ground floor rear exterior window Special Ed room 025 - white window caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-01B *241901508-0002*	Ground floor rear exterior window Special Ed room 025 - white window caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-02A *241901508-0003*	First floor front exterior window gym/café room 170 - white window caulk	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-02B *241901508-0004*	First floor front exterior window gym/café room 170 - white window caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-03A *241901508-0005*	First floor front window/door system vestibule 175 - red window caulk	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-03B *241901508-0006*	First floor front window/door system vestibule 175 - red window caulk	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-04A *241901508-0007*	Ground floor front exterior window computer room 016 - white window caulk	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0322BS-04B *241901508-0008*	Ground floor front exterior window computer room 112 - white window caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Kelsey Witik (4)

Quetcy Castro Romero (4)

Almedina Hodzic

Almedina Hodzic, Asbestos Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from: 04/03/2019 16:47:47

EMSL Analytical, Inc.
29 North Plains Highway, Unit # 4 Wallingford, CT 06492
Tel/Fax: (203) 284-5948 / (203) 284-5978
http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order: 241901508
Customer ID: TIGH62
Customer PO:
Project ID:

Attention: Kevin McCarthy
Tighe & Bond
213 Court Street
Suite 1100
Middletown, CT 06457

Phone: (203) 641-2782
Fax: (860) 704-4775
Received Date: 03/27/2019 3:00 PM
Analysis Date: 04/10/2019
Collected Date: 03/22/2019

Project: 28-2087-033F/ HART ELEMENTARY SCHOOL WINDOW CAULKING REPLACEMENT, 61 ADAMS AVE, STAMFORD, CON

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
0322BS-01A *241901508-0001*	Ground floor rear exterior window Special Ed room 025 - white window caulk	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
0322BS-02A *241901508-0003*	First floor front exterior window gym/café room 170 - white window caulk	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
0322BS-03A *241901508-0005*	First floor front window/door system vestibule 175 - red window caulk	Red Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
0322BS-04A *241901508-0007*	Ground floor front exterior window computer room 016 - white window caulk	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

Analyst(s)

Almedina Hodzic (4)

Almedina Hodzic

Almedina Hodzic, Asbestos Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from: 04/10/2019 11:42:22

OrderID: 241901508

Tighe&Bond
Engineers | Environmental Specialists

241901508

213 Court Street, Suite 1100, Middletown, CT 06457 Phone 860-704-4760

SAMPLE LOG FOR ASBESTOS BULKS

Project Name: HART Elementary School Window Caulking Replacement Project No. 28-2087-033F

Building: 61 Adams Ave, Stamford, Connecticut Project Manager: McCarthy, K

Sample ID	Sample Location	Material
***0322BS-01A**	**Ground Floor Rear Exterior Window Special Ed Room 025**	**White Window Caulk**
0322BS-01B	Ground Floor Side Exterior Window Special Ed Room 025	White Window Caulk
***0322BS-02A**	**First Floor Front Exterior Window Gym/Café Room 170**	**White Window Caulk**
0322BS-02B	First Floor Front Exterior Window Small Group Instruction 172	White Window Caulk
***0322BS-03A**	**First Floor Front Window/Door System Vestibule 175**	**Red Window Caulk**
0322BS-03B	First Floor Front Window/Door System Vestibule 175	Red Window Caulk
***0322BS-04A**	**Ground Floor Front Exterior Window Computer Room 016**	**White Window Caulk**
0322BS-04B	Ground Floor Front Exterior Window Conference Room 112	White Window Caulk

Analysis Method: ☒ PLM ☐ Other_____ Turnaround Time 1 Week

Based on the turnaround time indicated above, analyses are due to Tighe & Bond, Inc. on or before this date: 4/4/2019
Please call the office if analyses will be late at 860-704-4760.

Email Results to: bsirowich@tighebond.com **Do Not Mail Hard Copy Report** **Total # of Samples:** 8

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group sample results are 0% - < 1% by PLM, analyze only "A" group sample above by TEM NOB, per group, as noted by asterisk and bold front.

Samples collected by: Brian Sirowich **Date:** 3/22/19 **Time:** _____

Samples [Sent by] [Sirowich] **Date:** [3/27/19] **Time:** _____

Samples Received by: _____ **Date:** 3/27/19 **Time:** 15:00 WD

Shipped To: ☒ EMSL State _____ ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ Other _____

Appendix D

PHOENIX
Environmental Laboratories, Inc.

Monday, April 01, 2019

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

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
SDG ID: GCC76597
Sample ID#s: CC76597 - CC76600

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,

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

April 01, 2019

SDG I.D.: GCC76597

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT

Client Id	Lab Id	Matrix
0322BS-C1A	CC76597	CAULK
0322BS-C1B	CC76598	CAULK
0322BS-C1C	CC76599	CAULK
0322BS-C1D	CC76600	CAULK

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

Analysis Report

April 01, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76597
Phoenix ID: CC76597

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C1A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1221	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1232	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1242	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1248	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1254	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1260	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1262	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1268	ND	500	ug/Kg	2	03/30/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	48		%	2	03/30/19	SC	30 - 150 %
% DCBP (Confirmation)	51		%	2	03/30/19	SC	30 - 150 %
% TCMX	45		%	2	03/30/19	SC	30 - 150 %
% TCMX (Confirmation)	60		%	2	03/30/19	SC	30 - 150 %

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C1A

Phoenix I.D.: CC76597

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 01, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 01, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76597
Phoenix ID: CC76598

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C1B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1221	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1232	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1242	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1248	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1254	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1260	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1262	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1268	ND	330	ug/Kg	2	03/29/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	43		%	2	03/29/19	SC	30 - 150 %
% DCBP (Confirmation)	41		%	2	03/29/19	SC	30 - 150 %
% TCMX	38		%	2	03/29/19	SC	30 - 150 %
% TCMX (Confirmation)	44		%	2	03/29/19	SC	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (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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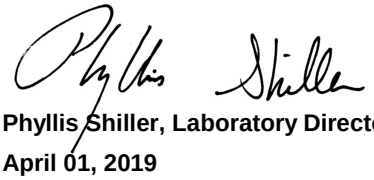

Phyllis Shiller, Laboratory Director

April 01, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 01, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76597
Phoenix ID: CC76599

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C1C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1221	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1232	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1242	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1248	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1254	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1260	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1262	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
PCB-1268	ND	320	ug/Kg	2	03/29/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	52		%	2	03/29/19	SC	30 - 150 %
% DCBP (Confirmation)	46		%	2	03/29/19	SC	30 - 150 %
% TCMX	40		%	2	03/29/19	SC	30 - 150 %
% TCMX (Confirmation)	56		%	2	03/29/19	SC	30 - 150 %

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

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

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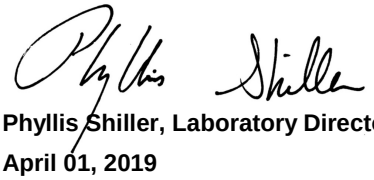

Phyllis Shiller, Laboratory Director

April 01, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 01, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76597
Phoenix ID: CC76600

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C1D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1221	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1232	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1242	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1248	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1254	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1260	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1262	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1268	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	67		%	5	03/30/19	SC	30 - 150 %
% DCBP (Confirmation)	63		%	5	03/30/19	SC	30 - 150 %
% TCMX	77		%	5	03/30/19	SC	30 - 150 %
% TCMX (Confirmation)	77		%	5	03/30/19	SC	30 - 150 %

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C1D

Phoenix I.D.: CC76600

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (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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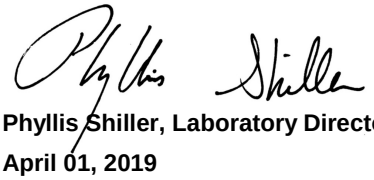

Phyllis Shiller, Laboratory Director
April 01, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

April 01, 2019

QA/QC Data

SDG I.D.: GCC76597

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 472241 (ug/Kg), QC Sample No: CC76597 10X (CC76597, CC76598, CC76599, CC76600)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	86	82	4.8				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	91	88	3.4				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	101	%	95	91	4.3				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	108	%	102	98	4.0				30 - 150	30
% TCMX (Surrogate Rec)	94	%	86	77	11.0				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	99	%	93	83	11.4				30 - 150	30

Comment:

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

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

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

Phyllis Shiller, Laboratory Director
April 01, 2019

Monday, April 01, 2019

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCC76597 - 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 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

April 01, 2019 SDG I.D.: GCC76597

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

WAP 17

PCB SOURCE SAMPLE CHAIN OF CUSTODY

Tighe&Bond

Project Number: 28-2087-033F
Project Name: SMTF – Hart Magnet _ Recaulking Project
Site Address: 61 Adams Ave, Stamford, CT
Project Manager: Kevin McCarthy

Date: 3/27/2019
Page: 1 of 1

Sample ID	Sample Location	Material	Substrate	Date Collected	Time Collected	Notes
0322BS-C1A	Original - Rear Window Special Ed 025	White Widow Caulk	Concrete	3/22/2019	AM	76597
0322BS-C1B	Original - Rear Window Pre-K 029	White Widow Caulk	Brick	3/22/2019	AM	76598
0322BS-C1C	Original - Side Window Caulk Special Ed 025	White Widow Caulk	Concrete	3/22/2019	AM	76599
0322BS-C1D	Original - Side Window Caulk Drama 040	White Widow Caulk	Brick	3/22/2019	AM	76600

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 **Date:** 3/22/2019 **Time:**

Relinquished [By][To]:[ ] [ ] **Dat** 3-28-19 **Time:** 9:57

Relinquished [By][To]:[ ] [ ] **Dat** 3/28/19 **Time:** 1250

Relinquished [By][To]:[ ] [ ] **Dat** **Time:**

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 02, 2019

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

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
SDG ID: GCC76601
Sample ID#s: CC76601 - CC76603

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,

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

April 02, 2019

SDG I.D.: GCC76601

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT

Client Id	Lab Id	Matrix
0322BS-C2A	CC76601	CAULK
0322BS-C2B	CC76602	CAULK
0322BS-C2C	CC76603	CAULK

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

Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76601
Phoenix ID: CC76601

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C2A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1221	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1232	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1242	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1248	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1254	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1260	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1262	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1268	ND	780	ug/Kg	5	03/29/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	37		%	5	03/29/19	SC	30 - 150 %
% DCBP (Confirmation)	35		%	5	03/29/19	SC	30 - 150 %
% TCMX	43		%	5	03/29/19	SC	30 - 150 %
% TCMX (Confirmation)	38		%	5	03/29/19	SC	30 - 150 %

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

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

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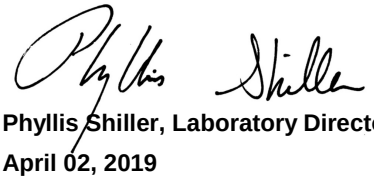

Phyllis Shiller, Laboratory Director
April 02, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76601
Phoenix ID: CC76602

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C2B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1221	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1232	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1242	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1248	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1254	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1260	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1262	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
PCB-1268	ND	800	ug/Kg	5	03/30/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	54		%	5	03/30/19	SC	30 - 150 %
% DCBP (Confirmation)	48		%	5	03/30/19	SC	30 - 150 %
% TCMX	65		%	5	03/30/19	SC	30 - 150 %
% TCMX (Confirmation)	57		%	5	03/30/19	SC	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (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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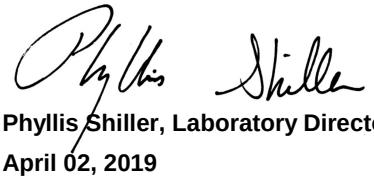

Phyllis Shiller, Laboratory Director
April 02, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76601
Phoenix ID: CC76603

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C2C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1221	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1232	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1242	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1248	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1254	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1260	730	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1262	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
PCB-1268	ND	330	ug/Kg	2	04/01/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	61		%	2	04/01/19	SC	30 - 150 %
% DCBP (Confirmation)	67		%	2	04/01/19	SC	30 - 150 %
% TCMX	62		%	2	04/01/19	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	04/01/19	SC	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (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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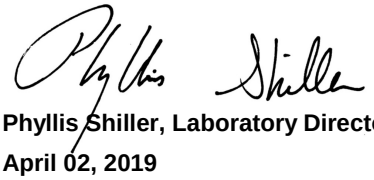

Phyllis Shiller, Laboratory Director

April 02, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

April 02, 2019

QA/QC Data

SDG I.D.: GCC76601

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 472241 (ug/Kg), QC Sample No: CC76597 10X (CC76601, CC76602, CC76603)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	86	82	4.8				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	91	88	3.4				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	101	%	95	91	4.3				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	108	%	102	98	4.0				30 - 150	30
% TCMX (Surrogate Rec)	94	%	86	77	11.0				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	99	%	93	83	11.4				30 - 150	30

Comment:

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

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

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

Phyllis Shiller, Laboratory Director
April 02, 2019

Tuesday, April 02, 2019

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCC76601 - 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 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

April 02, 2019 SDG I.D.: GCC76601

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

WCAP 1.7

PCB SOURCE SAMPLE CHAIN OF CUSTODY

Tighe&Bond

Project Number: 28-2087-033F
Project Name: SMTF – Hart Magnet - Recaulking Project
Site Address: 61 Adams Ave, Stamford, CT
Project Manager: Kevin McCarthy

Date: 3/27/2019
Page: 1 of 1

Sample ID	Sample Location	Material	Substrate	Date Collected	Time Collected	Notes
0322BS-C2A	Auditorium Addition Front Window Gym/Café 170	White Window Caulk	Concrete	3/22/2019	AM	76601
0322BS-C2B	Auditorium Addition Front Window Small Group Instruction 172	White Window Caulk	Concrete	3/22/2019	AM	76602
0322BS-C3A	Auditorium Addition Front Vestibule Window	Red Window Caulk	Brick	3/22/2019	AM	76603

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 **Date:** 3/22/2019 **Time:**

Relinquished [By][To]:[ ] [ ] **Dat** 3-28-19 **Time:** 9:57

Relinquished [By][To]:[ ] [ ] **Dat** 3/28/19 **Time:** 1250

Relinquished [By][To]:[ ] [ ] **Dat** **Time:**

213 Court Street • Middletown, CT 06457 • Tel 860.704.4760 • Fax 860.704.4775

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 02, 2019

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

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
SDG ID: GCC76604
Sample ID#s: CC76604 - CC76607

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,

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

April 02, 2019

SDG I.D.: GCC76604

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT

Client Id	Lab Id	Matrix
0322BS-C4A	CC76604	CAULK
0322BS-C4B	CC76605	CAULK
0322BS-C4C	CC76606	CAULK
0322BS-C4D	CC76607	CAULK

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

Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76604
Phoenix ID: CC76604

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C4A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1221	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1232	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1242	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1248	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1254	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1260	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1262	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
PCB-1268	ND	330	ug/Kg	2	03/30/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	53		%	2	03/30/19	SC	30 - 150 %
% DCBP (Confirmation)	47		%	2	03/30/19	SC	30 - 150 %
% TCMX	41		%	2	03/30/19	SC	30 - 150 %
% TCMX (Confirmation)	52		%	2	03/30/19	SC	30 - 150 %

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

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

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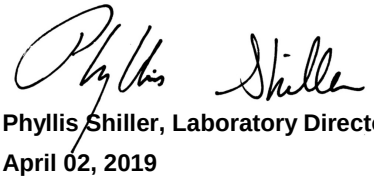

Phyllis Shiller, Laboratory Director

April 02, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76604
Phoenix ID: CC76605

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C4B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C	
PCB (Soxhlet SW3540C)								
PCB-1016	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1221	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1232	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1242	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1248	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1254	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1260	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1262	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
PCB-1268	ND	780	ug/Kg	5	04/01/19	SC	SW8082A	
QA/QC Surrogates								
% DCBP	55		%	5	04/01/19	SC	30 - 150 %	
% DCBP (Confirmation)	151		%	5	04/01/19	SC	30 - 150 %	3
% TCMX	57		%	5	04/01/19	SC	30 - 150 %	
% TCMX (Confirmation)	51		%	5	04/01/19	SC	30 - 150 %	

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

3 = This parameter exceeds laboratory specified limits.

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

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PCB Comment:
Due to matrix interference from non target compounds in the sample, surrogate could not be reported.

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Phyllis Shiller, Laboratory Director
April 02, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76604
Phoenix ID: CC76606

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C4C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1221	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1232	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1242	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1248	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1254	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1260	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1262	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
PCB-1268	ND	770	ug/Kg	5	03/29/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	37		%	5	03/29/19	SC	30 - 150 %
% DCBP (Confirmation)	33		%	5	03/29/19	SC	30 - 150 %
% TCMX	45		%	5	03/29/19	SC	30 - 150 %
% TCMX (Confirmation)	39		%	5	03/29/19	SC	30 - 150 %

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

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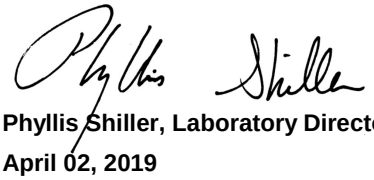

Phyllis Shiller, Laboratory Director
April 02, 2019
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

Analysis Report

April 02, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	KM	03/22/19	
Location Code:	TIGHE	Received by:	CP	03/28/19	12:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	28-2087-033F				

Laboratory Data

SDG ID: GCC76604
Phoenix ID: CC76607

Project ID: SMTF- HART MAGNET- RECAULKING PROJECT
Client ID: 0322BS-C4D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/28/19	BX/KL/SB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1221	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1232	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1242	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1248	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1254	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1260	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1262	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
PCB-1268	ND	780	ug/Kg	5	04/01/19	SC	SW8082A
QA/QC Surrogates							
% DCBP	121		%	5	04/01/19	SC	30 - 150 %
% DCBP (Confirmation)	57		%	5	04/01/19	SC	30 - 150 %
% TCMX	51		%	5	04/01/19	SC	30 - 150 %
% TCMX (Confirmation)	56		%	5	04/01/19	SC	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (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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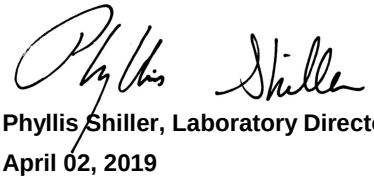

Phyllis Shiller, Laboratory Director

April 02, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

April 02, 2019

QA/QC Data

SDG I.D.: GCC76604

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 472241 (ug/Kg), QC Sample No: CC76597 10X (CC76604, CC76605, CC76606, CC76607)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	86	82	4.8				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	91	88	3.4				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	101	%	95	91	4.3				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	108	%	102	98	4.0				30 - 150	30
% TCMX (Surrogate Rec)	94	%	86	77	11.0				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	99	%	93	83	11.4				30 - 150	30

Comment:

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

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

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

Phyllis Shiller, Laboratory Director
April 02, 2019

Tuesday, April 02, 2019

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCC76604 - 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 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.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

April 02, 2019 SDG I.D.: GCC76604

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

PCB SOURCE SAMPLE CHAIN OF CUSTODY

Tighe&Bond

WCIP 1.7

Project Number: 28-2087-033F
Project Name: SMTF – Hart Magnet - Recaulking Project
Site Address: 61 Adams Ave, Stamford, CT
Project Manager: Kevin McCarthy

Date: 3/27/2019
Page: 1 of 1

Sample ID	Sample Location	Material	Substrate	Date Collected	Time Collected	Notes
0322BS-C4A	94/96 Addition Front Computer Room 016	White Window Caulk	Concrete	3/22/2019	AM	76604
0322BS-C4B	94/96 Addition Front Conference Room 112	White Window Caulk	Concrete	3/22/2019	AM	76605
0322BS-C4C	94/96 Addition Rear HC Kindergarten Room 007	White Window Caulk	Brick	3/22/2019	AM	76606
0322BS-C4D	94/96 Addition Rear Kindergarten Room 014	White Window Caulk	Brick	3/22/2019	AM	76607

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 **Date:** 3/22/2019 **Time:**

Relinquished [By][To]:[ ] [ ] **Dat** 3-28 **Time:** 9:57

Relinquished [By][To]:[ ] [ ] **Dat** 3/28/19 **Time:** 1250

Relinquished [By][To]:[ ] [ ] **Dat** **Time:**