



Tighe&Bond

**Westover Elementary School
Renovation Project**

**Hazardous Building
Materials Assessment**

Prepared For:

City of Stamford

January 2019

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Section 1

Introduction

Tighe & Bond, Inc. (Tighe & Bond) was retained by the City of Stamford Mold Task Force (the "Client") to complete a Hazardous Building Materials Assessment (the "Assessment") of Westover Magnet Elementary School located at 412 Stillwater Avenue in Stamford, Connecticut (the "site").

The Assessment was performed on October 31, 2018, November 1, 2018, November 5, 2018, November 11, 2018, and December 11, 2018, by Mr. John. R. Hobbins, Mr. Kevin McCarthy, and Mr. Erik Foley of Tighe and Bond, all of whom are Connecticut licensed Asbestos Consultants - Inspectors. The inspectors' licenses and accreditations are included as Appendix A of this report.

The Assessment was performed as a part of the upcoming renovation project (the "Project") scheduled to be conducted by the Client.

1.1 Assessment Summary

The Assessment at the site was conducted with the understanding that the Client is scheduled to conduct renovations and upgrades throughout the building at the site as part of the upcoming Project. Removal of mold-impacted building materials and/or water impacted building materials as well as correction of water intrusion issues at the site is the purpose for the proposed Project.

The site is a 2-story school operated by the City of Stamford Public Schools. The building footprint encompasses approximately 130,00 square feet. Interior construction consists of glazed concrete masonry units (CMU), tiled floor, gypsum board over metal framing. The interior walls are painted and/or covered with vinyl wall coverings. The exterior is clad in a brick façade.

The Assessment included a visual assessment of suspect hazardous building materials (asbestos, polychlorinated biphenyls (PCBs), and mold), and physical bulk sampling of suspect asbestos and PCB-containing materials. Additionally, bulk and swab sampling was performed to identify mold spore type and concentrations from visually assessed mold growth impacted and/or water stained building materials.

Asbestos, mold, and PCB sample locations are depicted in Figures (1.1-1.5), (2.1-2.5), and (3.1-3.4).

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 was limited to mold-impacted building materials and areas where water intrusion was a concern. The assessment included a visual inspection to locate, as far as practical, suspect ACM. The assessment included visible and accessible materials only.

Selective exploratory demolition of inaccessible locations to access and observe concealed conditions that may contain suspect ACM was not performed by Tighe & Bond. Additionally, Tighe & Bond did not conduct subsurface investigations to identify suspect roofing, cementitious pipe, exterior wall/foundation dampproofing, and/or under slab vapor barrier and/or dampproofing. Inaccessible materials were assumed to exist and should be investigated for and sampled as needed if the proposed Project will impact the materials.

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., caulking and glazing, mastics, adhesives, floor tile, etc.) 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.

A total of five different types of caulking and were 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 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 CTDEEP. Source materials containing ≤ 1 ppm PCBs are considered non-regulated by the EPA and CTDEEP.

2.3 Mold Growth Impacted and/or Water Stained Materials

An assessment for the presence of suspect mold growth and/or water intrusion limited to Client areas of concern was conducted at the site. The assessment included visual observations and surface mold sampling via bulk and/or swab sampling.

The assessment was limited to visible and accessible areas, informed areas of concern from Client and/or building occupants, and building materials impacted by water intrusion.

2.3.1 Observations

A visual assessment was performed within areas of concern informed to Tighe & Bond from the Client and/or building occupants. Below is a summary list of conditions found at the time of the assessment:

- No noticeable odors were encountered at the time of the site visit.
- Visible mold growth and/or water-staining was observed on ceiling tiles, fiberglass pipe insulation, gypsum walls, and vinyl wall covering within the building.
- Visible cupping of floor tiles and signs of water intrusion below floor tiles were observed in the rear portion of the first floor.
- Signs of water intrusion was observed at exterior window systems on gypsum wallboard.

2.3.2 Bulk and/or Swab Sampling for Mold

Bulk and/or swab samples were collected from surfaces where suspect mold growth was observed. The following bulk and/or swab samples of suspect mold growth were collected:

- Room 112, 114, and 117 – Black growth on pipe insulation
- Room 108, 113, and 116 – Black growth on vinyl wall covering
- Room 114, 115, and 213 – Brown growth on ceiling tiles
- Room 123 – Black growth on cove base
- Room 113 and 118 – Black growth on floor tile
- Media Center, Room 103, 123 and C202 – Visible dust on books

Bulk and/or swab samples are analyzed by direct microscopic examination for spores and growth to determine a quantitative spore count per area of the sample. EMSL Analytical, Inc. of Wallingford, Connecticut, performed the analysis.

Direct microscopic examination by EMSL Analytical identifies the mold spore type present and visually assesses the concentration based on the following:

- Rare – 1 to 10 counts per area analyzed
- Low – 11 to 100 counts per area analyzed
- Medium – 101 to 1,000 counts per area analyzed
- High – >1,000 counts per area analyzed

2.3.3 Moisture Meter Sampling

Mold growth impacted and/or water stained building materials were also tested for moisture content during the Assessment. Building materials such as gypsum board and ceiling tiles were tested using a direct read moisture meter (GE Protimeter Surveymaster, model number BLD 5365).

Moisture meter levels of mold growth impacted and/or water stained materials were sampled and compared to the following colorimetric and numerical scale:

- Dry – 7 to 16.9% WME (Wood Moisture Equivalent), Green color
- At Risk – 17 to 19.9% WME, Yellow color
- Wet - 20 to 99.9% WME, Red color

Section 3 Findings

3.1 Asbestos-Containing Materials

A total of 25 homogeneous materials were identified during the Assessment and 71 samples of suspect ACM anticipated to be impacted by the proposed Project were collected. Materials observed to be homogeneous throughout the site (i.e. gypsum wallboard, floor tile, ceiling tiles, etc.) were sampled in accordance with EPA regulations and analyzed by PLM/DS.

The samples collected and analyzed were found to be none detected for asbestos except for the red exterior window and door caulking, which was determined to contain <1% asbestos when analyzed by TEM.

A complete list of suspect homogenous materials, along with sample ID numbers, material description, location, quantities and asbestos content is provided in Table 1. Refer to Figures 2.1 through 2.5 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 B.

3.2 PCB-Containing Building Materials

Caulking sampled collected and analyzed were determined to be none detected with laboratory reporting limits < one ppm. Materials sampled were determined to be unregulated for PCBs.

Refer to Table 2 for a detailed list of building components sampled by Tighe & Bond for PCBs. Refer to Figures 3.1 through 3.4 indicating locations of suspect PCB samples collected.

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

3.3 Mold Growth Impacted and/or Water Stained Materials

3.3.1 Bulk and/or Swab Sampling

Bulk and/or swab samples of mold growth on impacted fiberglass pipe insulation, wallpaper, ceiling tiles, and vinyl cove base were collected and analyzed for mold spore type and visual concentration identification. Through laboratory analysis the following was determined:

- Mold growth on fiberglass pipe insulation
 - Medium visual concentrations of *Stachybotrys/Memnoniella*
 - Medium to high concentrations of *Cladosporium*
- Mold growth on vinyl wall covering
 - Rare visual concentrations of *Aspergillus/Penicillium*
 - Rare to medium visual concentrations of *Alternaria*
 - Rare to low visual concentrations of *Cladosporium*
 - Rare visual concentrations of *Stachybotrys/Memnoniella*
- Mold growth on ceiling tiles
 - Medium visual concentrations of *Stachybotrys/Memnoniella*
- Mold growth on cove base
 - Medium visual concentrations of *Chaetomium*
 - Low visual concentrations of *Scopulariopsis/Microascus*
- Mold growth on floor tile
 - Rare visual concentrations of *Aspergillus/Penicillium*
- Visible dust on books
 - Rare visual concentrations of *Aspergillus/Penicillium*, *Basidiospores*, *Cladosporium*, *Curvularia*, and *Rust*
 - Rare to low concentrations of *Myxomycetes*.

Copies of the mold laboratory analytical reports are provided in Appendix D. Refer to Table 3 (bulk) and Table 4 (swab) for a detailed list of mold-impacted surfaces sampled by Tighe & Bond for PCBs. Refer to Figures 2.1 through 2.5 indicating locations of suspect mold samples collected.

3.3.2 Moisture Meter Sampling

Moisture readings of mold growth impacted and/or water stained gypsum board and ceiling tiles were determined to be "dry" (e.g. <17% wood moisture equivalent) at the time of the assessment.

Section 4

Conclusions and Recommendations

4.1 Asbestos-Containing Materials

No sampled materials were identified to contain EPA and/or CTDPH regulated concentrations of asbestos (>1%).

The red exterior window and door caulking was determined to contain <1% asbestos. Materials containing $\leq 1\%$ asbestos are not regulated by CTDPH and EPA; however, OSHA regulations apply to demolition activities which will impact the materials. Contractors impacting $\leq 1\%$ asbestos materials are required to perform personal air sampling on their employees to determine if exposure concentrations exceed OSHA's Permissible Exposure Levels (PELs) for asbestos exposure. Regardless of employee exposure, contractors are required at a minimum to utilize High Efficiency Particulate Air (HEPA) equipped-vacuums, wet removal methods, and perform prompt clean-up and disposal of waste and debris generated during demolition of materials containing $\leq 1\%$ asbestos. Tighe & Bond recommends utilizing a contractor familiar with $\leq 1\%$ asbestos materials OSHA requirements during work that impacts the red exterior window and door caulking materials.

Inaccessible materials such as roofing, cementitious pipe, exterior wall/foundation dampproofing, and/or under slab vapor barrier and/or dampproofing were not investigated for during this Assessment. These inaccessible materials should be assumed to exist and investigated for and sampled as needed if the proposed Project will impact the materials.

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.

4.2 PCB-Containing Building Materials

No sampled materials were identified to contain EPA and/or CTDPH regulated concentrations of asbestos (>1%).

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

4.3 Mold Growth Impacted and/or Water Stained Materials

Mold growth and/or water staining was observed on numerous building materials throughout the site. Bulk and/or swab sampling of mold growth identified mold spores typical of indoor environments except for *Stachybotrys/Memnoniella* and *Chaetomium*. Visual concentrations of mold spore type ranged from rare to high, with medium and high concentrations being a concern, even for typical indoor environment mold spores like *Aspergillus/Penicillium* and *Cladosporium*.

Stachybotrys/Memnoniella and to an extent *Chaetomium* (commonly referred to as black mold) are slow growing mold spore types as compared to *Penicillium* and other common mold spores, and do not compete well in the presence of other mold spores. However, when water availability is high for prolonged periods on building materials, *Stachybotrys/Memnoniella* and *Chaetomium* may gradually become the predominating mold, especially on cellulose containing materials. Certain species of *Stachybotrys* are known to produce mycotoxins therefore; they are commonly referred to as "toxic molds." For that reason, the presence of these types of mold, even in visually rare and low concentrations should be considered with caution. Research on the effects of mycotoxins in humans is ongoing and no formal conclusions have been drawn however, it is generally agreed that *Stachybotrys/Memnoniella* and *Chaetomium* are not acceptable in the indoor environment.

Based on the Assessment conducted at the site and laboratory analytical results, Tighe & Bond recommends the following be conducted to address mold growth and/or water stained building materials:

- Retain an Architecture/Engineering (AE) firm to assess the building for water intrusion and/or moisture issues.
 - Mold growth impacted building materials are a result of water intrusion and/or moisture issues within a building.
 - The AE firm should investigate the building envelope, concrete slab, and the heating, ventilation, and air conditioning (HVAC) mechanical for water intrusion.
 - The HVAC mechanicals should be assessed for their ability to control humidity and moisture within the building. Humidity above 60% may promote mold growth.
- Retain a Contractor to remove mold growth impacted and/or water stained building materials as follows at a minimum:
 - Removal of all ceiling tiles and mold growth impacted and/or water stained pipe insulation
 - Removal of all vinyl wall covering, and mold growth impacted and/or water stained gypsum board which becomes visible following wall covering removal
 - Removal of gypsum board to a height of two feet from the concrete slab on the first floor to expose the interior void cavity and assess for suspect mold growth and/or water staining
 - Removal of gypsum board to a distance of two feet from around window and door openings to expose the interior void cavity and assess for suspect mold growth and/or water staining
 - Removal of all carpets
 - Removal of mold growth impacted and/or visually cupped floor tile and glue.

Section 5 Limitations

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

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TABLES

TABLE 1
SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER Avenue
STAMFORD, CONNECTICUT

Sample #	Material	Material Location	Color	Approximate Quantity	Result	Comment
1101BH-01A	Fiberglass Pipe Insulation Wrap	Room 213	White/Silver	NA	ND	
1101BH-01B	Fiberglass Pipe Insulation Wrap	Room 184	White/Silver	NA	ND	
1101BH-01C	Fiberglass Pipe Insulation Wrap	Room 128	White/Silver	NA	ND	
1101BH-02A	2x4 Acoustic Ceiling Tile	Room 184	White/Gray	NA	ND	
1101BH-02B	2x4 Acoustic Ceiling Tile	Room 128	White/Gray	NA	ND	
1101BH-02C	2x4 Acoustic Ceiling Tile	Room 213	White/Gray	NA	ND	
1101BH-03A	Gypsum Wall Board	Room 128	White	NA	ND	
1101BH-03B	Gypsum Wall Board	Room 184	White	NA	ND	
1101BH-03C	Gypsum Wall Board	Room 213	White	NA	ND	
1101BH-04A-Tape	Taping	Room 128	White	NA	ND	
1101BH-04A-Joint Compound	Joint Compound	Room 128	White	NA	ND	
1101BH-04B-Tape	Taping	Room 184	White	NA	ND	
1101BH-04B-Joint Compound	Joint Compound	Room 184	White	NA	ND	
1101BH-04C-Tape	Taping	Room 213	White	NA	ND	
1101BH-04C-Joint Compound	Joint Compound	Room 213	White	NA	ND	

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SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER Avenue
STAMFORD, CONNECTICUT

Sample #	Material	Material Location	Color	Approximate Quantity	Result	Comment
1101BH-05A	Tan Wall Paper	Room 112	Tan	NA	ND	
1101BH-05B	Tan Wall Paper	Room 124	Tan	NA	ND	
1101BH-05C	Tan Wall Paper	Room 211	Tan	NA	ND	
1101BH-06A	Gray Sink Undercoat	Room 124	Gray	NA	ND / ND ¹	
1101BH-06B	Gray Sink Undercoat	Room 124	Gray	NA	ND	
1101BH-07A	Coating Inside Ventilation Unit	Room 116	Black	NA	ND / ND ¹	
1101BH-07B	Coating Inside Ventilation Unit	Room 118	Black	NA	ND	
1101BH-07C	Coating Inside Ventilation Unit	Room 213	Black	NA	ND	
1101BH-08A	Glue Daub behind Case Work	Room 130	Tan	NA	ND / ND ¹	
1101BH-08B	Glue Daub behind Case Work	Room 130	Tan	NA	ND	
1101BH-08C	Glue Daub behind Case Work	Room 130	Tan	NA	ND	
1101BH-09A	Blue 12"x12" Floor Tile	Room 184	Blue	NA	ND / <0.33	
1101BH-09B	Blue 12"x12" Floor Tile	Room 116	Blue	NA	ND	
1101BH-09C	Blue 12"x12" Floor Tile	Room 118	Blue	NA	ND	
1101BH-10A	Yellow Floor Tile Glue	Room 184	Yellow	NA	ND / ND ¹	

TABLE 1
SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER Avenue
STAMFORD, CONNECTICUT

Sample #	Material	Material Location	Color	Approximate Quantity	Result	Comment
1101BH-10B	Yellow Floor Tile Glue	Room 116	Yellow	NA	ND	
1101BH-10C	Yellow Floor Tile Glue	Room 118	Yellow	NA	ND	
1101BH-11A	Tan 12"x12" Floor Tile	Room 126	Tan	NA	ND / ND ¹	
1101BH-11B	Tan 12"x12" Floor Tile	Room 128	Tan	NA	ND	
1101BH-12A	Green 12"x12" Floor Tile	Room 211	Green	NA	ND	
1101BH-12B	Green 12"x12" Floor Tile	Room 213	Green	NA	ND	
1101BH-13A	Carpet Glue	Main Office	Yellow	NA	ND / ND ¹	
1101BH-13B	Carpet Glue	Main Office	Yellow	NA	ND	
1101BH-14A	4" Cove Base	Room 128	Tan	NA	ND	
1101BH-14B	4" Cove Base	Room 126	Tan	NA	ND	
1101BH-15A	Tan Cove Base Glue	Room 128	Tan	NA	ND / ND ¹	
1101BH-15B	Tan Cove Base Glue	Room 126	Tan	NA	ND	
1101BH-15C	Tan Cove Base Glue	Room 184	Tan	NA	ND	
1101BH-16A	4" Cove Base	Room 184	Blue	NA	ND	
1101BH-16B	4" Cove Base	Room 118	Blue	NA	ND	

TABLE 1
SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER Avenue
STAMFORD, CONNECTICUT

Sample #	Material	Material Location	Color	Approximate Quantity	Result	Comment
1101BH-16C	4" Cove Base	Room 116	Blue	NA	ND	
1101BH-17A	Exterior Window Caulk	North	Red	NA	ND / 0.31% Anthophyllite & Tremolite	
1101BH-17B	Exterior Window Caulk	West	Red	NA	ND	
1101BH-17C	Exterior Window Caulk	South	Red	NA	ND	
1101BH-18A	Exterior Door Caulk	South	Red	NA	ND / 0.28% Anthophyllite & Tremolite	
1101BH-18B	Exterior Door Caulk	South	Red	NA	ND	
1101BH-18C	Exterior Door Caulk	East	Red	NA	ND	
1101BH-19A	Exterior Door Caulk	North	White	NA	ND / ND ¹	
1101BH-19B	Exterior Door Caulk	North	White	NA	ND	
1101BH-19C	Exterior Door Caulk	North	White	NA	ND	
1101BH-20A	Exterior Door Caulk	Gymnasium	Gray	NA	ND / ND ¹	
1101BH-20B	Exterior Door Caulk	Gymnasium	Gray	NA	ND	
1101BH-21A	Exterior Expansion Caulk	West	Gray	NA	ND / ND ¹	
1101BH-21B	Exterior Expansion Caulk	South	Gray	NA	ND	
1101BH-21C	Exterior Expansion Caulk	East	Gray	NA	ND	

TABLE 1
SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER Avenue
STAMFORD, CONNECTICUT

Sample #	Material	Material Location	Color	Approximate Quantity	Result	Comment
1105BH-01A	Tackboard Glue Daub	Corridor at Cafeteria	Tan	NA	ND / ND ¹	
1105BH-01B	Tackboard Glue Daub	Corridor at Cafeteria	Tan	NA	ND	
1211BH-01A	Spray-Applied Textured Ceiling	Cafeteria	White	NA	ND	
1211BH-01B	Spray-Applied Textured Ceiling	Cafeteria	White	NA	ND	
1211BH-01C	Spray-Applied Textured Ceiling	Cafeteria	White	NA	ND	
1211BH-01D	Spray-Applied Textured Ceiling	Media Center	White	NA	ND	
1211BH-01E	Spray-Applied Textured Ceiling	Media Center	White	NA	ND	
1211BH-01F	Spray-Applied Textured Ceiling	Dance Room	White	NA	ND	
1211BH-01G	Spray-Applied Textured Ceiling	Dance Room	White	NA	ND	
1211BH-02A	Gypsum Ceiling	Dance Room	White	NA	ND	
1211BH-02B	Gypsum Ceiling	Media Center	White	NA	ND	
1211BH-02C	Gypsum Ceiling	Cafeteria	White	NA	ND	
1211BH-03A	Paper Backing on Fiberglass Deck Insulation	Media Center	Silver	NA	ND	
1211BH-03B	Paper Backing on Fiberglass Deck Insulation	Cafeteria	Silver	NA	ND	

LEGEND

SURVEY PERFORMED BY: JOHN R. HOBBS

State License #: 000700

ACM = ASBESTOS CONTAINING MATERIAL (Contains 1% or greater asbestos)

TABLE 1
SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER Avenue
STAMFORD, CONNECTICUT

Sample #	Material	Material Location	Color	Approximate Quantity	Result	Comment
¹ - CONFIRMATORY ANALYSIS VIA TEM NOB NA = NOT APPLICABLE LF = LINEAR FOOT SF = SQUARE FOOT EA = EACH BOLDED AREAS INDICATE A POSITIVE RESULT						

TABLE 2
SUMMARY OF PCB CONTAINING MATERIALS
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER AVENUE
STAMFORD, CONNECTICUT

Sample #	Material Description	Material Location	Aroclor #	Result (ppm)	Comment
PCB-EEC-01A	Exterior Expansion Caulking	North	None Detected	None Detected	
PCB-EEC-01B	Exterior Expansion Caulking	West	None Detected	None Detected	
PCB-EEC-01C	Exterior Expansion Caulking	South	None Detected	None Detected	
PCB-EWC-02A	Exterior Window Frame Caulking	North	None Detected	None Detected	
PCB-EWC-02B	Exterior Window Frame Caulking	West	None Detected	None Detected	
PCB-EWC-02C	Exterior Window Frame Caulking	South	None Detected	None Detected	
PCB-EDC-03A	Exterior Door Frame Caulking	North	None Detected	None Detected	
PCB-EDC-03B	Exterior Door Frame Caulking	West	None Detected	None Detected	
PCB-EDC-03C	Exterior Door Frame Caulking	South	None Detected	None Detected	
PCB-EDC-04A	Exterior Door Frame Caulking	North- at Maintenance Garage	None Detected	None Detected	
PCB-EDC-04B	Exterior Door Frame Caulking	North- at Maintenance Garage	None Detected	None Detected	
PCB-EDC-04C	Exterior Door Frame Caulking	North- at Maintenance Garage	None Detected	None Detected	
PCB-EDC-05A	Exterior Door Frame Caulking	Gymnasium	None Detected	None Detected	
PCB-EDC-05B	Exterior Door Frame Caulking	Gymnasium	None Detected	None Detected	

Tighe & Bond
Engineers | Environmental Specialists

Sample #	Material Description	Material Location	Aroclor #	Result (ppm)	Comment
PCB-EDC-05C	Exterior Door Frame Caulking	Gymnasium	None Detected	None Detected	

LEGEND

SURVEY PERFORMED BY: FRANCISCO J. RODRIGUES

State License #:

ND = NONE DETECTED

¹ - CONFIRMATORY ANALYSIS VIA PLM 400 POINT COUNT

² - CONFIRMATORY ANALYSIS VIA TEM NOB

NA = NOT APPLICABLE

LF = LINEAR FEET

SF = SQUARE FEET

EA = EACH

BOLDED AREAS INDICATE REGULATED ACM

TABLE 3
SUMMARY OF MOLD BULK SAMPLING
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER AVENUE
STAMFORD, CONNECTICUT

Sample ID	01	02	03	04	05
Sample Location	Room 112 Pipe Insulation Black	Room 114 Pipe Insulation Black	Room 117 Pipe Insulation Black	Room 108 Wallpaper Black	Room 108 Wallpaper Black
Sampling Date	10/31/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	Rare	-	Rare	Medium
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	Rare
Basidiospores	-	-	-	Rare	-
Bipolaris	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	High	High	Medium	Low	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes	-	-	-	Rare	-
Pithomyces	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	Medium	-	-	Rare
Unidentifiable Spores	-	-	-	Rare	Rare
Arthrinium	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Ascotricha/Dicyma	-	-	-	-	-
Hyphal Fragment	Medium	Medium	Low	Rare	Rare
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	Rare	Rare
Fibrous Particulate	Rare	Low	Low	Rare	Rare

TABLE 3
SUMMARY OF MOLD BULK SAMPLING
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER AVENUE
STAMFORD, CONNECTICUT

Sample ID	06	07	08	09	10
Sample Location	Room 116 Wallpaper Black	Room 115 Ceiling Tile Brown	Room 213 Ceiling Tile Brown	Room 114 Storage Brown	Room 123 Cove Black
Sampling Date	10/31/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Rare	Rare	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris	-	-	-	-	-
Chaetomium	-	-	-	-	Medium
Cladosporium	Rare	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	Low
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Arthrinium	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Ascotricha/Dicyma	-	-	-	-	-
Hyphal Fragment	-	Medium	-	-	High
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Low	Low	High	High	Low

TABLE 4
SUMMARY OF MOLD SWAB SAMPLING
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER AVENUE
STAMFORD, CONNECTICUT

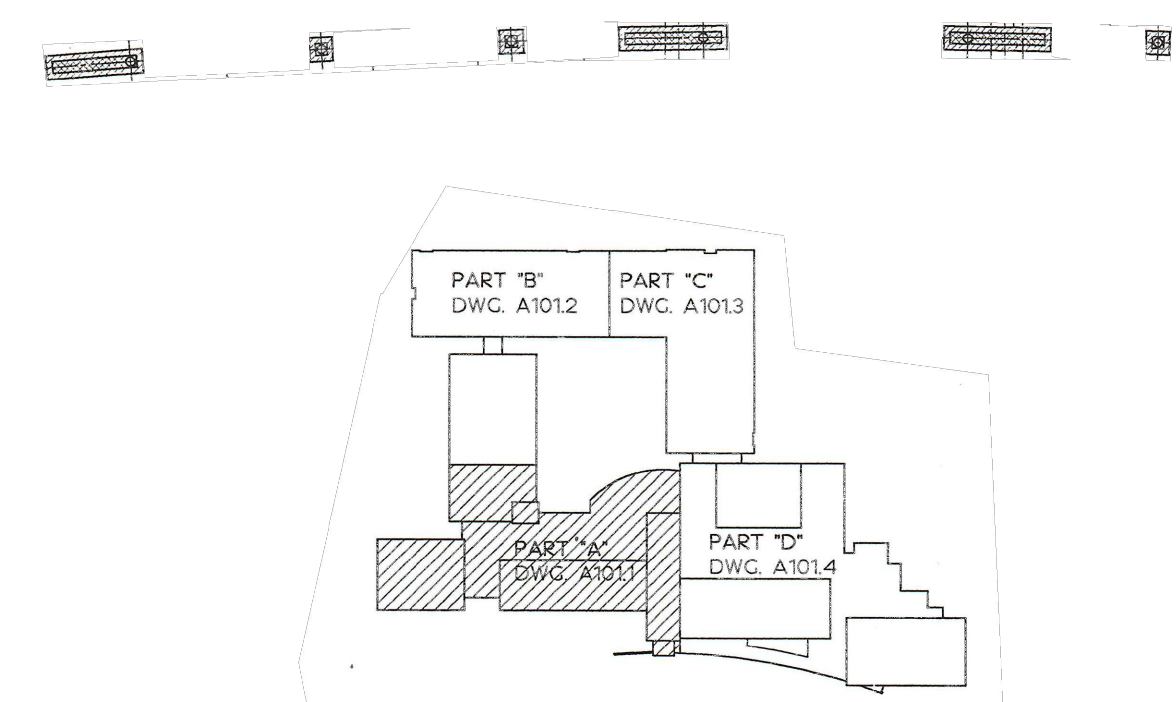
Sample ID	11	12	115KM01	115KM02	115KM03	115KM04
Sample Location	Room 113 Floor Tile White	Room 118 Floor Tile White	Media Center Book (The Golemn's End)	Media Center Book (Placa Yoo Go)	Media Center Book (Respecting Our World)	Room 123 Book (Everyday Math)
Sampling Date	10/31/2018	10/31/2018	11/5/2018	11/5/2018	11/5/2018	11/5/2018
Spore Types	Category	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-
Aspergillus/Penicillium	Rare	-	-	-	-	Rare
Basidiospores	-	-	-	-	Rare	-
Bipolaris	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	-	-	-	-	Rare	-
Curvularia	-	-	-	-	-	Rare
Epicoccum	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes	-	-	-	-	Rare	Low
Pithomyces	-	-	-	-	-	-
Rust	-	-	-	-	-	Rare
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Arthrinium	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Ascotricha/Dicyma	-	-	-	-	-	-
Hyphal Fragment	-	-	-	-	Rare	Rare
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Fibrous Particulate	Medium	Medium	Rare	Rare	Low	Medium

TABLE 4
SUMMARY OF MOLD SWAB SAMPLING
WESTOVER ELEMENTARY SCHOOL
412 STILLWATER AVENUE
STAMFORD, CONNECTICUT

Sample ID	115KM05	115KM06
Sample Location	Room 103 Book (Primary Journal)	Room C202 Book (Ready Gen)
Sampling Date	11/5/2018	11/5/2018
Spore Types	Category	Category
Alternaria (Ulocladium)	-	-
Ascospores	-	-
Aspergillus/Penicillium	-	-
Basidiospores	-	-
Bipolaris	-	-
Chaetomium	-	-
Cladosporium	-	-
Curvularia	-	-
Epicoccum	-	-
Fusarium	-	-
Ganoderma	-	-
Myxomycetes	-	-
Pithomyces	-	-
Rust	-	-
Scopulariopsis/Microascus	-	-
Stachybotrys/Memnoniella	-	-
Unidentifiable Spores	-	-
Arthrinium	-	-
Zygomycetes	-	-
Ascotricha/Dicyma	-	-
Hyphal Fragment	-	-
Insect Fragment	-	-
Pollen	-	-
Fibrous Particulate	Rare	Rare

Tighe&Bond

FIGURES



11-0BH-01A →

FIGURE 1.1

S:\Projects\117\2019\117-019-4-288m By: wachampagne
Printed On: Jan 17, 2019 4:28pm
Tighe & Bond: S:\S2087 Stamford\033 Mold Remediation Consulting\Sites\Westover\Drawings\CAD\S-2087-SP-WESTOVER.dwg

LEGEND
11-0BH-01A

ASBESTOS SAMPLE LOCATION



Westover Mold Remediation

City of Stamford

Stamford, CT

MARK	DATE	DESCRIPTION
PROJECT NO: S2087		
DATE: 11/9/2018		
FILE: S-2087-SP-WESTOVER.dwg		
DRAWN BY: JLL		
CHECKED: BH		
APPROVED: KM		

ASBESTOS SAMPLE LOCATIONS

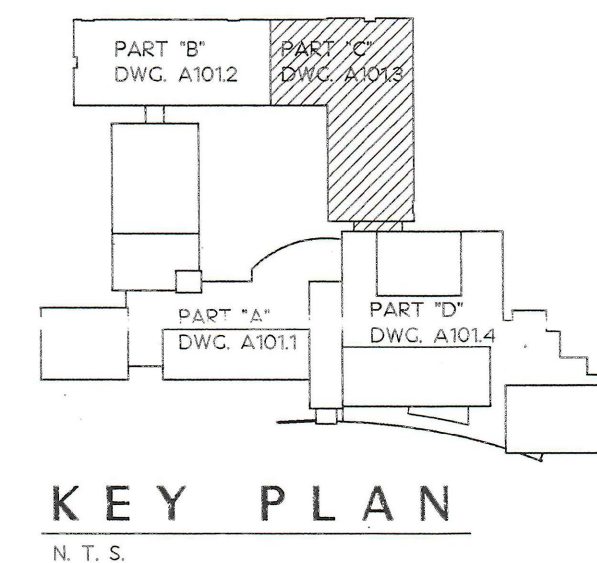
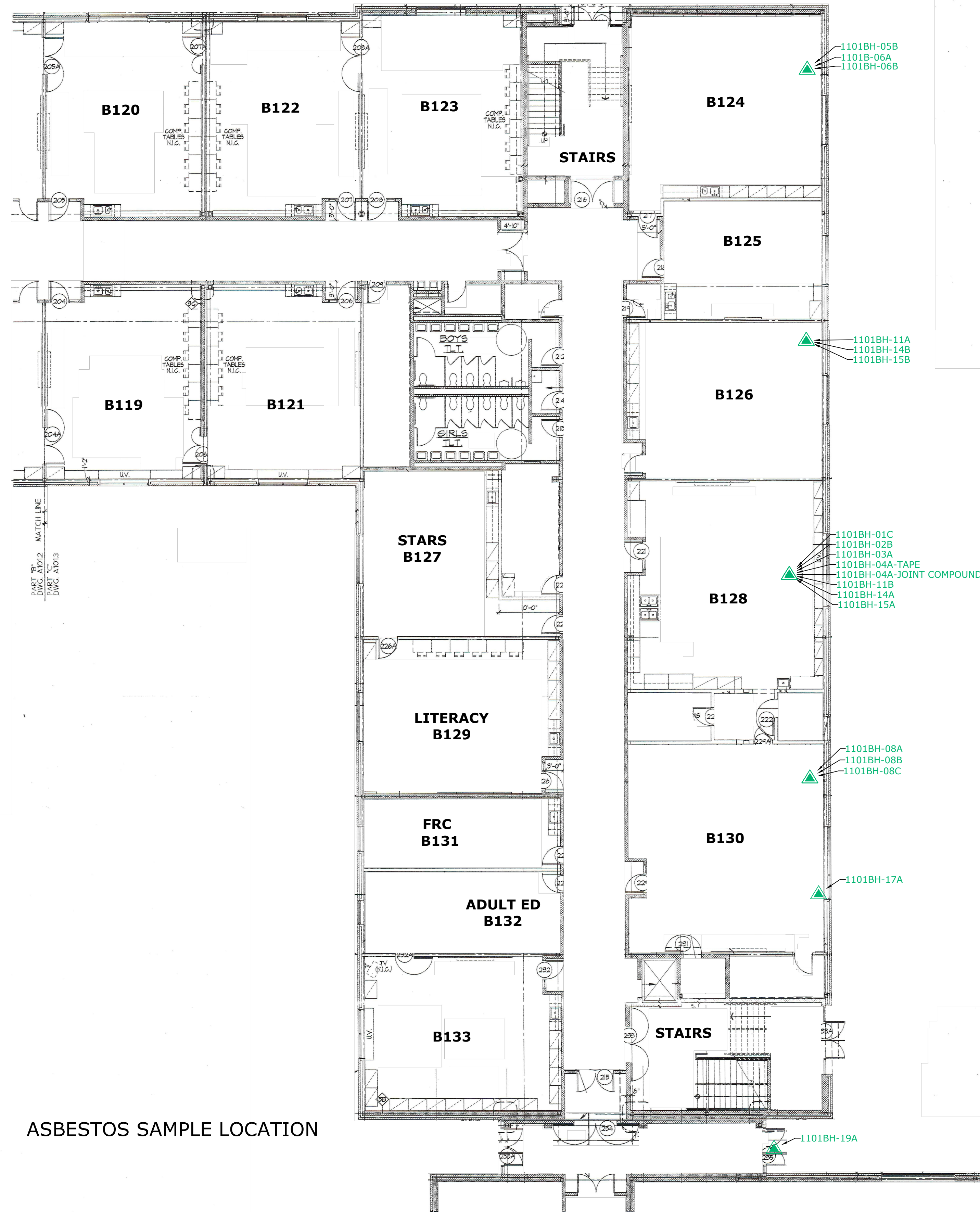
SCALE: NOT TO SCALE

FIGURE 1.2

11-08BH-01A

LEGEND

ASBESTOS SAMPLE LOCATION



**Westover Mold
Remediation**

City of Stamford

Stamford, CT

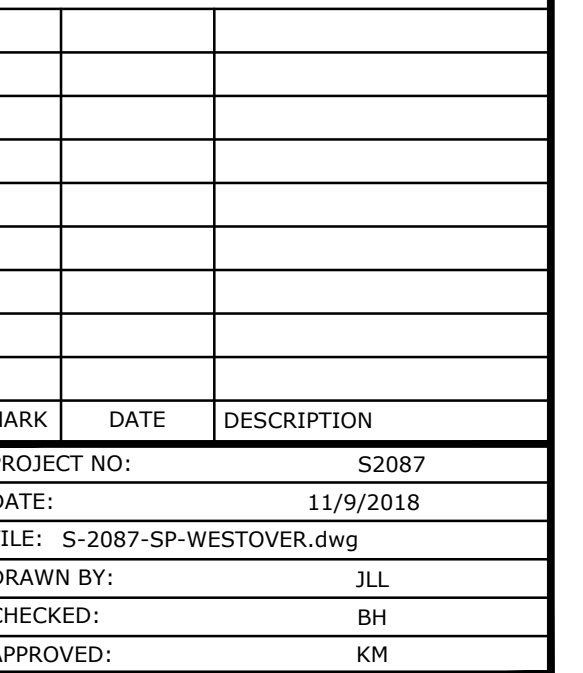
MARK	DATE	DESCRIPTION
PROJECT NO:	S2087	
DATE:	11/9/2018	
FILE:	S-2087-SP-WESTOVER.dwg	
DRAWN BY:	JLL	
CHECKED:	BH	
APPROVED:	KM	

**ASBESTOS SAMPLE
LOCATIONS**

SCALE: NOT TO SCALE

FIGURE 1.3

Stamford, CT



SCALE: NOT TO SCALE

FIGURE 1.4



Last Saved: 1/17/2019
Plotted On: Jan 17, 2019-4:29pm By: wachampagne
Tight & Bond: J:\S\S2087 Stamford\033 Mold Remediation Consulting\Drawings\CAD\S-2087-SP-WESTOVER.dwg

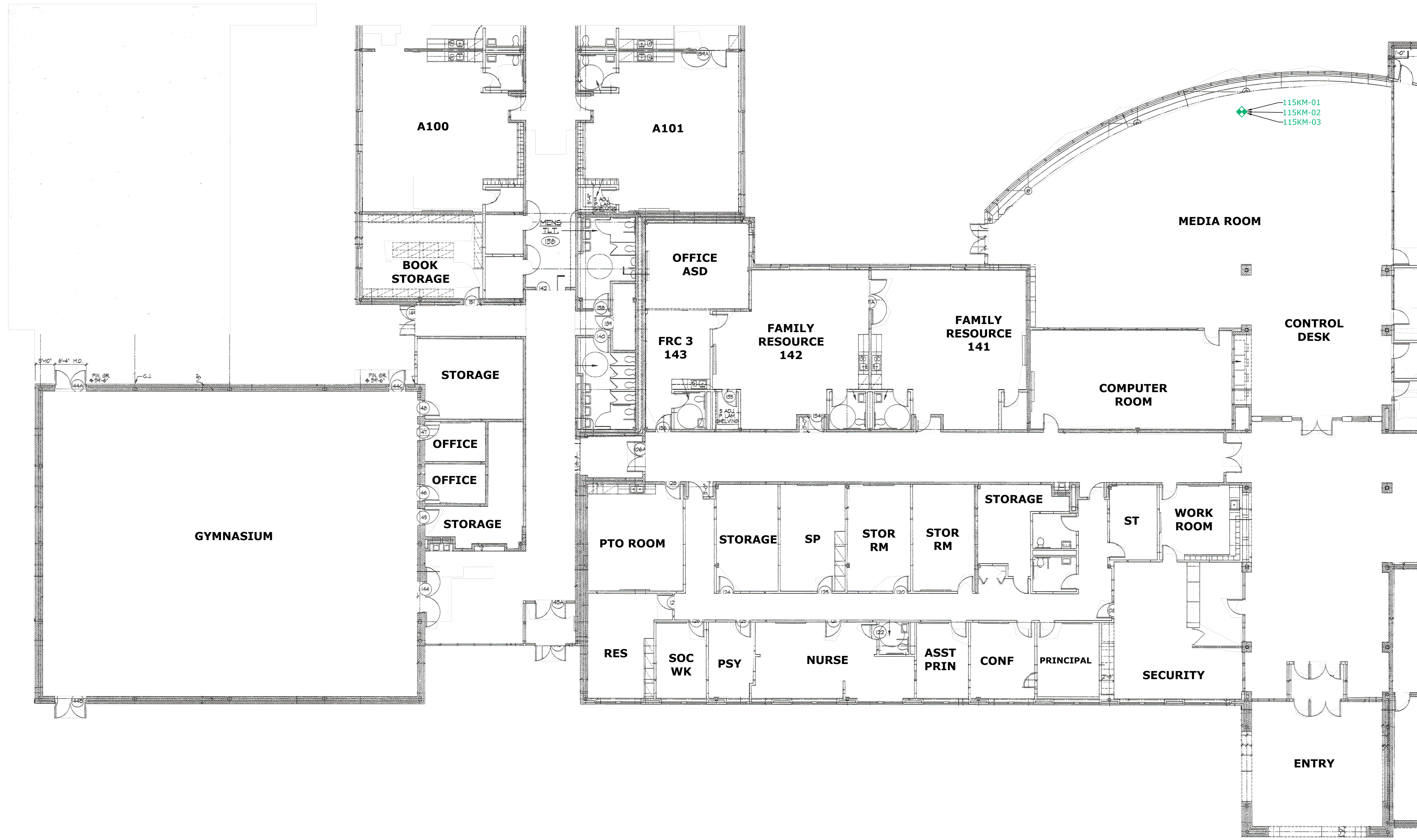
Stamford, CT

[illegible]

SCALE: NOT TO SCALE

FIGURE 1.5

11/9/2018 1:05pm By: wachampagne
Plotted On: Jan 18, 2019 - 1:05pm
Tighe & Bond: S-2087-SP-WESTOVER.dwg



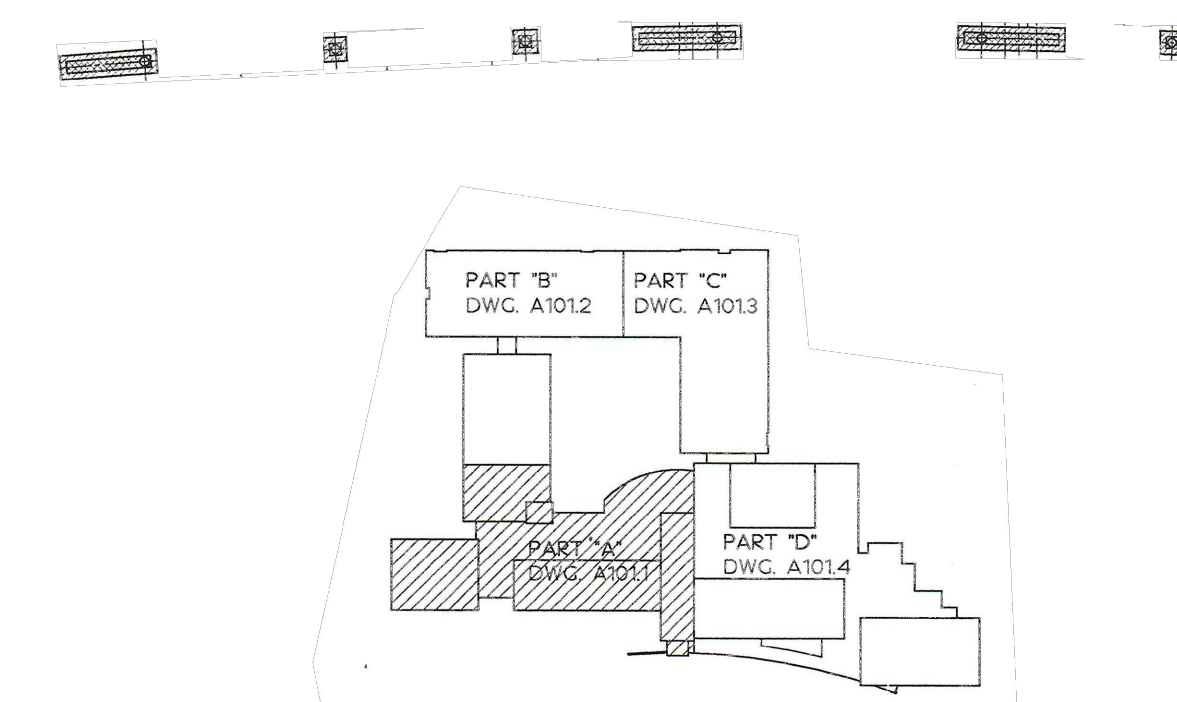
LEGEND

115KM-01

SWAB SAMPLE LOCATION

01

BULK SAMPLE LOCATION



Westover Mold Remediation

City of Stamford

Stamford, CT

MARK	DATE	DESCRIPTION
PROJECT NO:	S2087	
DATE:	11/9/2018	
FILE:	S-2087-SP-WESTOVER.dwg	
DRAWN BY:	JLL	
CHECKED:	BH	
APPROVED:	KM	

MOLD SAMPLE LOCATIONS

SCALE: NOT TO SCALE

FIGURE 2.1

1/18/2019 1:05pm By: wachampagne
Plotted On: Jan 18, 2019 1:05pm
Tighe & Bond: S:\S2087 Stamford\031 Mold Remediation Consulting\Sites\Westover\Drawings\CAD\S-2087-SP-WESTOVER.dwg

Westover Mold Remediation

City of Stamford

Stamford, CT

MARK	DATE	DESCRIPTION
PROJECT NO: S2087		
DATE: 11/9/2018		
FILE: S-2087-SP-WESTOVER.dwg		
DRAWN BY: JLL		
CHECKED: BH		
APPROVED: KM		

MOLD SAMPLE LOCATIONS

SCALE: NOT TO SCALE

FIGURE 2.2

LEGEND

◆ 115KM-01

SWAB SAMPLE LOCATION

◇ 01

BULK SAMPLE LOCATION



1/18/2019 1:06pm By: wachampagne
Plotted On: Jan 18, 2019 - 1:06pm
Tighe & Bond: S:\S2087 Stamford\033 Mold Remediation Consulting Sites\Westover\Drawings\CAD\S-2087-SP-WESTOVER.dwg

Westover Mold Remediation

City of Stamford

Stamford, CT

MARK	DATE	DESCRIPTION
PROJECT NO: S2087		
DATE: 11/9/2018		
FILE: S-2087-SP-WESTOVER.dwg		
DRAWN BY: JLL		
CHECKED: BH		
APPROVED: KM		

MOLD SAMPLE LOCATIONS

SCALE: NOT TO SCALE

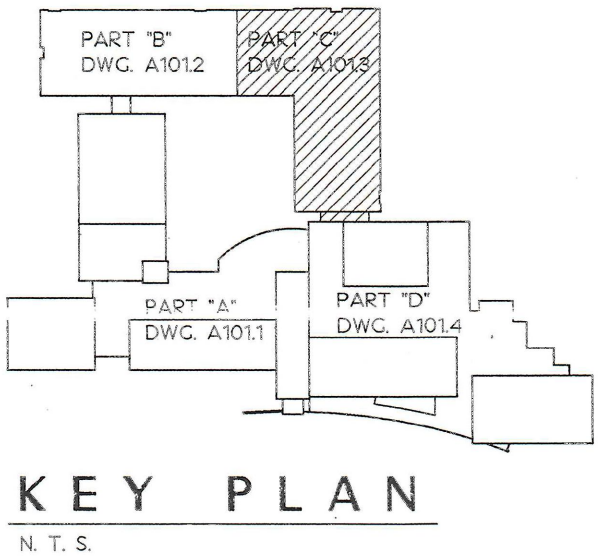
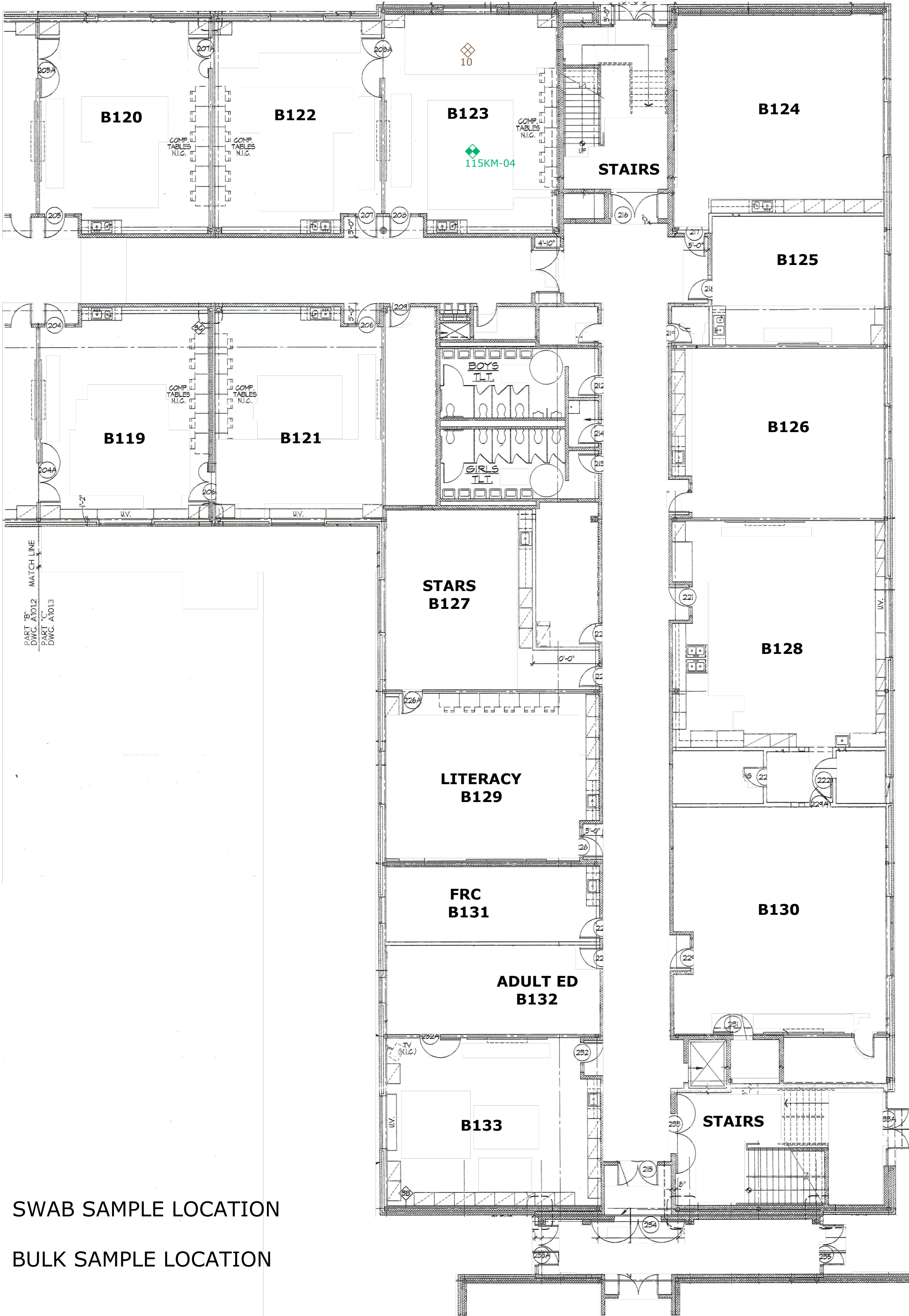
FIGURE 2.3

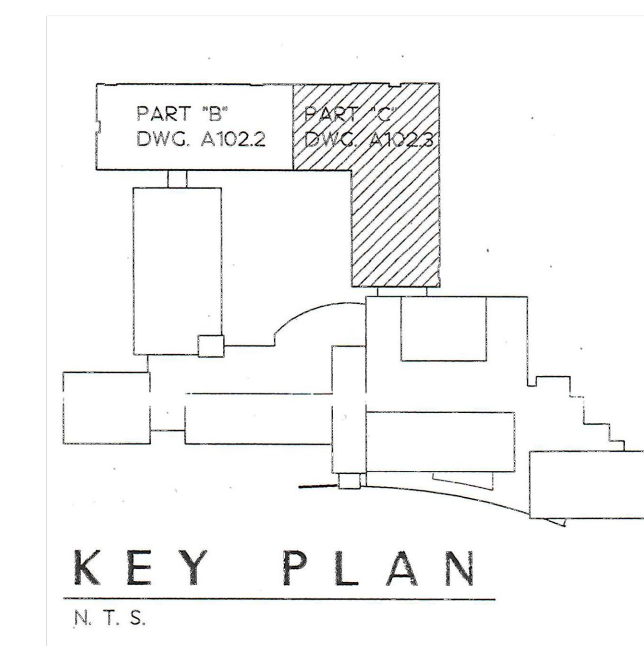
LEGEND



SWAB SAMPLE LOCATION

BULK SAMPLE LOCATION





Stamford, CT

LEGEND

 115KM-01 SWAB SAMPLE LOCATION

 01 BULK SAMPLE LOCATION

FIGURE 2.4

11/9/2018 1:08pm By: wachampagne
Plotted On: Jan 18, 2019 - 1:08pm
Tighe & Bond: S:\S2087 Stamford\033 Mold Remediation Consulting\Stiles Westover\Drawings\CAD\S-2087-SP-WESTOVER.dwg



LEGEND



SWAB SAMPLE LOCATION



BULK SAMPLE LOCATION

Westover Mold Remediation

City of Stamford

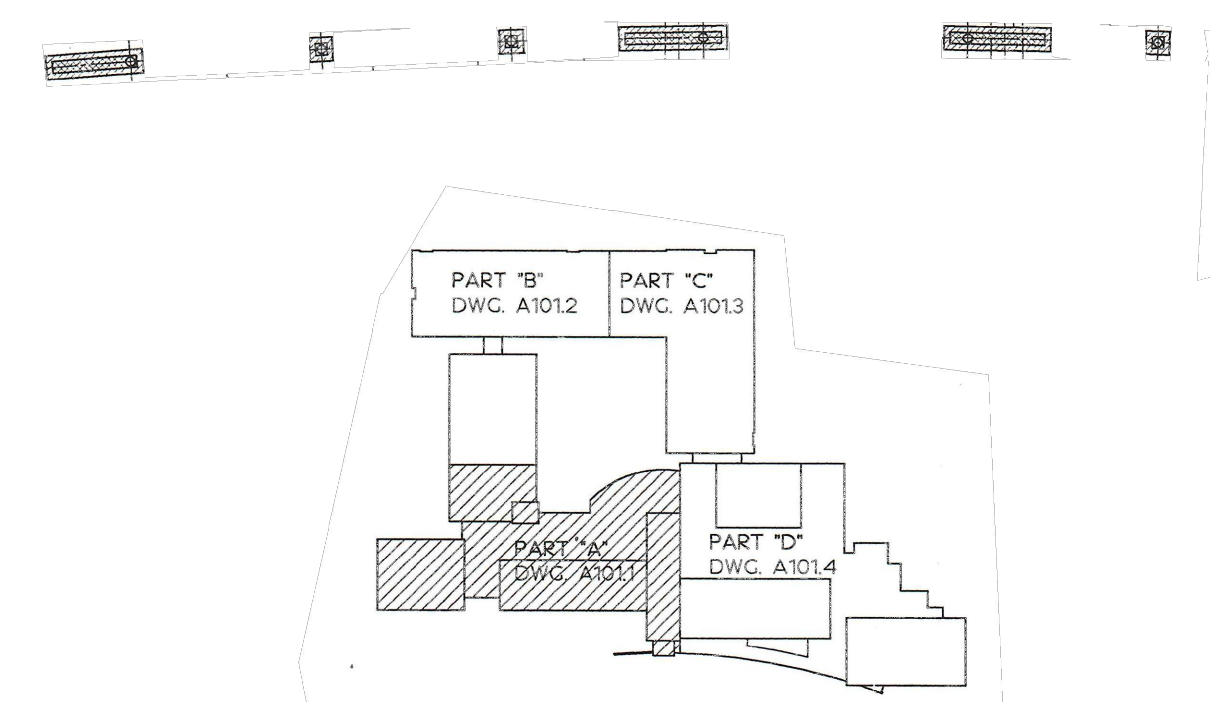
Stamford, CT

MARK	DATE	DESCRIPTION
PROJECT NO:		S2087
DATE:		11/9/2018
FILE:		S-2087-SP-WESTOVER.dwg
DRAWN BY:		JLL
CHECKED:		BH
APPROVED:		KM

MOLD SAMPLE LOCATIONS

SCALE: NOT TO SCALE

FIGURE 2.5

[illegible]

SCALE: NOT TO SCALE

FIGURE 3.1



FIGURE 3.2

1/17/2019
11:17:41 AM
Tighe & Bond
S:\S2087-Stamford\031 Mold Remediation\Consulting Sites\Westover\Drawings\CAD\S-2087-SP-WESTOVER.dwg
Printed On: Jan 17, 2019 4:41 PM By: wachampagne

Westover Mold Remediation

City of Stamford

Stamford, CT

MARK	DATE	DESCRIPTION

PROJECT NO:	S2087
DATE:	11/9/2018
FILE:	S-2087-SP-WESTOVER.dwg
DRAWN BY:	JLL
CHECKED:	BH
APPROVED:	KM

PCB SAMPLE LOCATIONS

SCALE: NOT TO SCALE

FIGURE 3.3



1/17/2019
11:17:20 AM
Tighe & Bond
S:\S2087-Stamford\Drawings\CAD\S-2087-SP-WESTOVER.dwg
Printed On: Jan 17, 2019 4:42pm By: wachampagne

LEGEND



PCB SAMPLE LOCATION



Westover Mold Remediation

City of Stamford

Stamford, CT

MARK	DATE	DESCRIPTION

PROJECT NO:	S2087
DATE:	11/9/2018
FILE:	S-2087-SP-WESTOVER.dwg
DRAWN BY:	JLL
CHECKED:	BH
APPROVED:	KM

PCB SAMPLE LOCATIONS

SCALE: NOT TO SCALE

FIGURE 3.4

Dear JOHN R. HOBBS,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,



RAUL PINO, MD, MPH, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

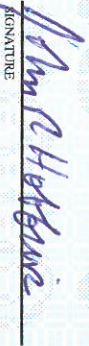
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT-INSPECTOR

JOHN R. HOBBS

CERTIFICATE NO.
000700

CURRENT THROUGH
01/31/19

VALIDATION NO.
03-649452


SIGNATURE


COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBS

VALIDATION NO.
03-649452

CERTIFICATE NO.
000700

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

CURRENT THROUGH
01/31/19


SIGNATURE


COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

NAME

JOHN R. HOBBS

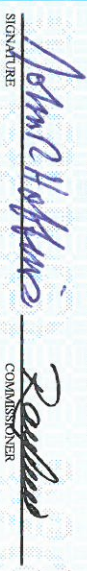
VALIDATION NO.
03-649452

CERTIFICATE NO.
000700

PROFESSION

ASBESTOS CONSULTANT-INSPECTOR

CURRENT THROUGH
01/31/19


SIGNATURE


COMMISSIONER

QUEST & T

Quality Environmental Solutions & Technologies, Inc.
1376 Route 9, Wappingers Falls, NY 12590
Phone (845) 298-6031 Fax (845) 298-6251

HEREBY CERTIFIES THAT

JOHN R. HOBBS

HAS SUCCESSFULLY COMPLETED A TRAINING SEMINAR IN:

NYS/EPA INSPECTOR REFRESHER

MEETING THE REQUIREMENTS OF NYSDOH 10 NYCRR, PART 73 AND
TSCA TITLE II AND HAS BEEN AWARDED THIS CERTIFICATE BY:



PAUL A. RODRIGUEZ
TRAINING DIRECTOR

NOTE: Official record of successful completion is DOH 2832 Certificate of Completion of Asbestos Safety
Training

NOTE: DOH 2832 - A \$20 fee shall be charged for replacement of Certificate of Completion DOH 2832
ON THIS DATE: 9/6/2018

CERTIFICATE NUMBER: 816236

EXPIRATION DATE: 9/6/2019

1003115 01 AB 0.405 **AUTO T7 0 1164 06477-333750 -C01 P03120-I



KEVIN MCCARTHY
350 NARROW LN
ORANGE CT 06477-3337



Dear KEVIN MCCARTHY,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME KEVIN MCCARTHY		
VALIDATION NO. 03-684104	CERTIFICATE NO. 000305	CURRENT THROUGH 05/31/19
PROFESSION ASBESTOS CONSULTANT-INSP/MGMT PLANNER		
SIGNATURE		 COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME KEVIN MCCARTHY		
VALIDATION NO. 03-684104	CERTIFICATE NO. 000305	CURRENT THROUGH 05/31/19
PROFESSION ASBESTOS CONSULTANT-INSP/MGMT PLANNER		
SIGNATURE		 COMMISSIONER

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-INSP/MGMT PLANNER

KEVIN MCCARTHY

CERTIFICATE NO.
000305

CURRENT THROUGH
05/31/19

VALIDATION NO.
03-684104

SIGNATURE

COMMISSIONER

Certificate of Training

Awarded to

KEVIN MCCARTHY

*For successful completion of an 8 Hour, 1 Day
Asbestos Inspector & Management Planner
Annual Refresher Training*

AUGUST 24, 2017

This training was approved and given in accordance with
Regulations for Connecticut State Agencies
RCSA 20-440 - 1-9 and RCSA 20-441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPR26094

Exam Grade: 97

Exam Date: 08/24/2017

Expiration Date: 08/24/2018

Christopher J. Eident
Christopher J. Eident, CIH, CSP, RS

George Williamson
George Williamson, Training Director

Richard Hatfey
Richard Hatfey, Training Director

Tighe&Bond

Engineers | Environmental Specialists

213 Court Street, Suite 1100, Middletown, CT 06457

Phone 860-704-4760

041833009

SAMPLE LOG FOR ASBESTOS BULKSSheet 1 of 4Project Name: Westover Elementary SchoolProject No. 28-2087-033Building: Westover Elementary SchoolProject Manager: Kevin McCarthy

Sample ID	Material Description	Color	Sample Location
11018H-01A	Fiberglass Pipe Insulation Wrap	White/silver	Room 213
-01B			Room 184
-01C			Room 184 128
02A	2x4 Acoustic Ceiling Tile	White	Room 184
02B			Room 128
02C			Room 213
03A	Gypsum wall Board	White	Room 128
03B			Room 184
03C			Room 213
04A	Taping / Joint compound	White	Room 128
04B			Room 184

TOTAL # OF SAMPLES:

57AmState sample collected in: CTAnalysis Method: ☒ PLM ☐ TEM-NOB ☐ Point CT - 400 ☐ Other PLM + TEM - 24 Hour TATTurnaround Time (check one): ☐ 3-hr ☒ ~~24-hr~~ ☐ 48-hr ☐ 72-hr ☐ 96-hr ☐ 1-week ☐ 2-week

Please call the office if analyses will be late at: _____

Email Results to: kmccarthy@tighebond.com **Do Not Mail Hard Copy Report****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: Bob Hobbins Date: 11-1-18 Time: _____Samples Relinquished by: BA Date: 11-2-18 Time: _____Samples Received by: Jim Fed Ex Date: 11/3/18 Time: 10 AMShipped To: ☒ EMSL State NJ ☐ Other _____Method of Shipment: ☒ Overnight (Check one: Fed Ex / UPS) ☐ Other _____

041833009

SAMPLE LOG FOR ASBESTOS BULKSSheet 2 of 4Project Name: Westover Elementary SchoolProject No. 28-2087-033Building: Westover Elementary SchoolProject Manager: Kevin McCarthy

Sample ID	Material Description	Color	Sample Location
1101BA-04C	Gypsum Wall Board	White	Room 213
-05A	Tan Wall Paper	Tan	Room 112
-05B			Room 124
-05C			Room 211
* -06A	Gray Sink Undercoat	Gray	Room 124
-06B			
* -07A	Coating inside Ventilation Unit	Black	Room 116
-07B			Room 118
-07C			Room 213
* -08A	Glue Dab behind Casework	Tan	Room 130
-08B			
-08C			
* -09A	Blue 12"x12" Floor Tile	Blue	Room 184
-09B			Room 116
-09C			Room 118
* -10A	Yellow Floor Tile Glue	Yellow	Room 184
-10B			Room 116
-10C			Room 118
* -11A	Tan 12"x12" Floor Tile	Tan	Room 126

RECEIVED
CLIMATE
2018 NOV -3 AM 9:43

041833009

213 Court Street, Suite 1100, Middletown, CT 06457

Phone 860-704-4760

SAMPLE LOG FOR ASBESTOS BULKSSheet 3 of 4Project Name: Westover Elementary SchoolProject No. 28-2087-033Building: Westover Elementary SchoolProject Manager: Kevin McCarthy

Sample ID	Material Description	Color	Sample Location
1101BH-11B	Tan 12"x12" Floor Tile	Tan	Room 128
-12A	Green 12"x12" Floor Tile	Green	Room 211
-12B	↓	↓	Room 213
* -13A	Carpet glue	Yellow	Main office
-13B	↓	↓	↓
-14A	4" Cove Base	Tan	Room 128
-14B	4" Cove Base	↓	Room 126
* -15A	↓ Tan Cove Base Glue	Tan	Room 128
-15B	Tan Cove Base Glue	↓	Room 126
-15C	↓	↓	Room 184
-16A	4" Cove Base	Blue	Room 184
-16B	↓	↓	Room 118
-16C	↓	↓	Room 116
* -17A	Exterior window caulk	Red	North
-17B	↓	↓	West
-17C	↓	↓	South
* -18A	Exterior door caulk	Red	South
-18B	↓	↓	South
-18C	↓	↓	East

2018 NOV - 3 AM 9:48
 CHIKAM
 RE-USE

041833009

Phone 860-704-4760

Sheet 4 of 4

Project No. 28-2087-033

Project Manager: Kevin McCarthy

2018 NOV -3 AM 9:18
CINNAM



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 Phone/Fax: (800) 220-3675 / (856) 786-5974
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EMSL Order ID: 041833009
 Customer ID: TIGH62
 Customer PO:
 Project ID:

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

Phone: (860) 704-4760
Fax: (860) 704-4775
Collected: 11/ 1/2018
Received: 11/03/2018
Analyzed: 11/06/2018

Proj: Westover Elementary School - 28-2087-033

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-01A **Lab Sample ID:** 041833009-0001

Sample Description: Room 213/Fiberglass Pipe Insulation Wrap

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White/Silver	65%	35%	None Detected	

Client Sample ID: 1101BH-01B **Lab Sample ID:** 041833009-0002

Sample Description: Room 184/Fiberglass Pipe Insulation Wrap

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White/Silver	65%	35%	None Detected	

Client Sample ID: 1101BH-01C **Lab Sample ID:** 041833009-0003

Sample Description: Room 128/Fiberglass Pipe Insulation Wrap

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White/Silver	70%	30%	None Detected	

Client Sample ID: 1101BH-02A **Lab Sample ID:** 041833009-0004

Sample Description: Room 184/2x4 Acoustic Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	90%	10%	None Detected	

Client Sample ID: 1101BH-02B **Lab Sample ID:** 041833009-0005

Sample Description: Room 128/2x4 Acoustic Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	90%	10%	None Detected	

Client Sample ID: 1101BH-02C **Lab Sample ID:** 041833009-0006

Sample Description: Room 213/2x4 Acoustic Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	85%	15%	None Detected	

Client Sample ID: 1101BH-03A **Lab Sample ID:** 041833009-0007

Sample Description: Room 128/Gypsum Wall Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	25%	75%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-03B **Lab Sample ID:** 041833009-0008

Sample Description: Room 184/Gypsum Wall Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	25%	75%	None Detected	

Client Sample ID: 1101BH-03C **Lab Sample ID:** 041833009-0009

Sample Description: Room 213/Gypsum Wall Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	20%	80%	None Detected	

Client Sample ID: 1101BH-04A-Tape **Lab Sample ID:** 041833009-0010

Sample Description: Room 128/Taping

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	65%	35%	None Detected	

Client Sample ID: 1101BH-04A-Joint Compound **Lab Sample ID:** 041833009-0010A

Sample Description: Room 128/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	0%	100%	None Detected	

Client Sample ID: 1101BH-04B-Tape **Lab Sample ID:** 041833009-0011

Sample Description: Room 184/Taping

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	65%	35%	None Detected	

Client Sample ID: 1101BH-04B-Joint Compound **Lab Sample ID:** 041833009-0011A

Sample Description: Room 184/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	0%	100%	None Detected	

Client Sample ID: 1101BH-04C-Tape **Lab Sample ID:** 041833009-0012

Sample Description: Room 213/Taping

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	80%	20%	None Detected	

Client Sample ID: 1101BH-04C-Joint Compound **Lab Sample ID:** 041833009-0012A

Sample Description: Room 213/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	0%	100%	None Detected	



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Customer ID: TIGH62
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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-05A **Lab Sample ID:** 041833009-0013

Sample Description: Room 112/Tan Wall Paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	35%	65%	None Detected	

Client Sample ID: 1101BH-05B **Lab Sample ID:** 041833009-0014

Sample Description: Room 124/Tan Wall Paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	35%	65%	None Detected	

Client Sample ID: 1101BH-05C **Lab Sample ID:** 041833009-0015

Sample Description: Room 211/Tan Wall Paper

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Tan	45%	55%	None Detected	

Client Sample ID: 1101BH-06A **Lab Sample ID:** 041833009-0016

Sample Description: Room 124/Gray Sink Undercoat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Gray	40%	60%	None Detected	
TEM Grav. Reduction	11/06/2018	Gray	0.0%	100%	None Detected	

Client Sample ID: 1101BH-06B **Lab Sample ID:** 041833009-0017

Sample Description: Room 124/Gray Sink Undercoat

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Gray	30%	70%	None Detected	

Client Sample ID: 1101BH-07A **Lab Sample ID:** 041833009-0018

Sample Description: Room 116/Coating Inside Ventilation Unit

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Black	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Black	0.0%	100%	None Detected	

Client Sample ID: 1101BH-07B **Lab Sample ID:** 041833009-0019

Sample Description: Room 118/Coating Inside Ventilation Unit

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Black	0%	100%	None Detected	

Client Sample ID: 1101BH-07C **Lab Sample ID:** 041833009-0020

Sample Description: Room 213/Coating Inside Ventilation Unit

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Black	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-08A **Lab Sample ID:** 041833009-0021

Sample Description: Room 130/Glue Daub behind Case Work

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: 1101BH-08B **Lab Sample ID:** 041833009-0022

Sample Description: Room 130/Glue Daub behind Case Work

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	0%	100%	None Detected	

Client Sample ID: 1101BH-08C **Lab Sample ID:** 041833009-0023

Sample Description: Room 130/Glue Daub behind Case Work

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Tan	0%	100%	None Detected	

Client Sample ID: 1101BH-09A **Lab Sample ID:** 041833009-0024

Sample Description: Room 184/Blue 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Blue	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Blue	0.0%	100%	<0.33% Tremolite	

Client Sample ID: 1101BH-09B **Lab Sample ID:** 041833009-0025

Sample Description: Room 116/Blue 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Blue	0%	100%	None Detected	

Client Sample ID: 1101BH-09C **Lab Sample ID:** 041833009-0026

Sample Description: Room 118/Blue 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Blue	0%	100%	None Detected	

Client Sample ID: 1101BH-10A **Lab Sample ID:** 041833009-0027

Sample Description: Room 184/Yellow Floor Tile Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Yellow	0.0%	100%	None Detected	

Client Sample ID: 1101BH-10B **Lab Sample ID:** 041833009-0028

Sample Description: Room 116/Yellow Floor Tile Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Yellow	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-10C

Lab Sample ID: 041833009-0029

Sample Description: Room 118/Yellow Floor Tile Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Yellow	0%	100%	None Detected	

Client Sample ID: 1101BH-11A

Lab Sample ID: 041833009-0030

Sample Description: Room 126/Tan 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: 1101BH-11B

Lab Sample ID: 041833009-0031

Sample Description: Room 128/Tan 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Tan	0%	100%	None Detected	

Client Sample ID: 1101BH-12A

Lab Sample ID: 041833009-0032

Sample Description: Room 211/Green 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Green	0%	100%	None Detected	

Client Sample ID: 1101BH-12B

Lab Sample ID: 041833009-0033

Sample Description: Room 213/Green 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Green	0%	100%	None Detected	

Client Sample ID: 1101BH-13A

Lab Sample ID: 041833009-0034

Sample Description: Main Office/Carpet Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Yellow	0.0%	100%	None Detected	

Client Sample ID: 1101BH-13B

Lab Sample ID: 041833009-0035

Sample Description: Main Office/Carpet Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Yellow	0%	100%	None Detected	

Client Sample ID: 1101BH-14A

Lab Sample ID: 041833009-0036

Sample Description: Room 128/4" Cove Base

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	0%	100%	None Detected	



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EMSL Order ID: 041833009
 Customer ID: TIGH62
 Customer PO:
 Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-14B **Lab Sample ID:** 041833009-0037

Sample Description: Room 126/4" Cove Base

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Tan	0%	100%	None Detected	

Client Sample ID: 1101BH-15A **Lab Sample ID:** 041833009-0038

Sample Description: Room 128/Tan Cove Base Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Tan	0.0%	100%	None Detected	

Client Sample ID: 1101BH-15B **Lab Sample ID:** 041833009-0039

Sample Description: Room 126/Tan Cove Base Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Tan	0%	100%	None Detected	

Client Sample ID: 1101BH-15C **Lab Sample ID:** 041833009-0040

Sample Description: Room 184/Tan Cove Base Glue

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Tan	0%	100%	None Detected	

Client Sample ID: 1101BH-16A **Lab Sample ID:** 041833009-0041

Sample Description: Room 184/4" Cove Base

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Blue	0%	100%	None Detected	

Client Sample ID: 1101BH-16B **Lab Sample ID:** 041833009-0042

Sample Description: Room 118/4" Cove Base

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Blue	0%	100%	None Detected	

Client Sample ID: 1101BH-16C **Lab Sample ID:** 041833009-0043

Sample Description: Room 116/4" Cove Base

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Blue	0%	100%	None Detected	

Client Sample ID: 1101BH-17A **Lab Sample ID:** 041833009-0044

Sample Description: North/Exterior Window Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Red	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Red	0.0%	99.7%	0.10% Anthophyllite 0.21% Tremolite	



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EMSL Order ID: 041833009
 Customer ID: TIGH62
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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-17B **Lab Sample ID:** 041833009-0045

Sample Description: West/Exterior Window Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Red	0%	100%	None Detected	

Client Sample ID: 1101BH-17C **Lab Sample ID:** 041833009-0046

Sample Description: South/Exterior Window Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Red	0%	100%	None Detected	

Client Sample ID: 1101BH-18A **Lab Sample ID:** 041833009-0047

Sample Description: South/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Red	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Red	0.0%	99.7%	0.14% Anthophyllite 0.14% Tremolite	

Client Sample ID: 1101BH-18B **Lab Sample ID:** 041833009-0048

Sample Description: South/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Red	0%	100%	None Detected	

Client Sample ID: 1101BH-18C **Lab Sample ID:** 041833009-0049

Sample Description: East/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Red	0%	100%	None Detected	

Client Sample ID: 1101BH-19A **Lab Sample ID:** 041833009-0050

Sample Description: North/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	White	0.0%	100%	None Detected	

Client Sample ID: 1101BH-19B **Lab Sample ID:** 041833009-0051

Sample Description: North/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	White	0%	100%	None Detected	

Client Sample ID: 1101BH-19C **Lab Sample ID:** 041833009-0052

Sample Description: North/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	White	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1101BH-20A **Lab Sample ID:** 041833009-0053

Sample Description: Gymnasium/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Gray	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Gray	0.0%	100%	None Detected	

Client Sample ID: 1101BH-20B **Lab Sample ID:** 041833009-0054

Sample Description: Gymnasium/Exterior Door Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Gray	0%	100%	None Detected	

Client Sample ID: 1101BH-21A **Lab Sample ID:** 041833009-0055

Sample Description: West/Exterior Expansion Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Gray	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2018	Gray	0.0%	100%	None Detected	

Client Sample ID: 1101BH-21B **Lab Sample ID:** 041833009-0056

Sample Description: South/Exterior Expansion Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2018	Gray	0%	100%	None Detected	

Client Sample ID: 1101BH-21C **Lab Sample ID:** 041833009-0057

Sample Description: East/Exterior Expansion Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/05/2018	Gray	0%	100%	None Detected	



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EMSL Order ID: 041833009
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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Analyst(s):

Amy Johnson PLM (11)
Ian Kulis PLM (36)
Jonathan Blanford PLM (13)
Matthew Hermann TEM Grav. Reduction (13)

Reviewed and approved by:

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 11/04/2018 13:50:47

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 6 of 6

Project Name: Westover School-

Project No. 28-2087-033

Building: Westover School

Project Manager: K. McCarthy

[illegible]

Analysis Method: ☒ PLM ☐ Other

Turnaround Time 24 Hour

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

Email Results to: k.mccarthy@tighebond.com Do Not Mail Hard Copy Report Total # of Samples: 2

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: Bob Hobbs Date: 11-5-18 Time: _____

Samples [Rec'd][Sent by] [] [] Date: [] [] Time: []

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State CT ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ Other _____





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EMSL Order: 241805913

Customer ID: TIGH62

Customer PO:

Project ID:

Attention: Kevin McCarthy

Tighe & Bond

213 Court Street

Suite 1100

Middletown, CT 06457

Project: 28-2087-033/ WESTOVER SCHOOL

Phone: (860) 704-4760

Fax: (860) 704-4775

Received Date: 11/09/2018 8:00 AM

Analysis Date: 11/09/2018

Collected Date: 11/05/2018

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1105BH-01A 241805913-0001	CORRIDOR AT CAFÉ- TAN TACKBOARD GLUE DAUB	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
1105BH-01B 241805913-0002	CORRIDOR AT CAFÉ- TAN TACKBOARD GLUE DAUB	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Analyst(s)

Lauren Butkus (1)

Quetcy Castro Romero (1)

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: 11/09/2018 17:21:44



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: 241805913

Customer ID: TIGH62

Customer PO:

Project ID:

Attention: Kevin McCarthy

Tighe & Bond

213 Court Street

Suite 1100

Middletown, CT 06457

Project: 28-2087-033/ WESTOVER SCHOOL

Phone: (860) 704-4760

Fax: (860) 704-4775

Received Date: 11/09/2018 8:00 AM

Analysis Date: 11/12/2018

Collected Date: 11/05/2018

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
1105BH-01A 241805913-0001	CORRIDOR AT CAFÉ- TAN TACKBOARD GLUE DAUB	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected

Analyst(s)

Dylan Aiello (1)

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: 11/12/2018 10:35:15

SAMPLE LOG FOR ASBESTOS BULKSSheet 1 of 1Project Name: Stamford Mold Task ForceProject No. 28-2087-033Building: Westover Magnet SchoolProject Manager: Kevin McCarthy

Sample ID	Material Description	Color	Sample Location
1211BH-01A	Spray-Applied Texture Ceiling	White	Cafeteria
01B			↓
01C			
01D			media Center
01E			↓
01F			Dance Room
01G			↓
02A	Gypsum Ceiling	White	Dance Room
02B			media Center
02C			Cafeteria
03A	Paper Backing on Fiberglass	Silver	media
03B	Deck Insulation		Cafeteria

TOTAL # OF SAMPLES: 12 State sample collected in: CTAnalysis Method: ☒ PLM ☐ TEM-NOB ☐ Point CT - 400 ☐ OtherTurnaround Time (check one): ☐ 3-hr ☐ 6-hr ☒ 24-hr ☐ 48-hr ☐ 72-hr ☐ 96-hr ☐ 1-week ☐ 2-week

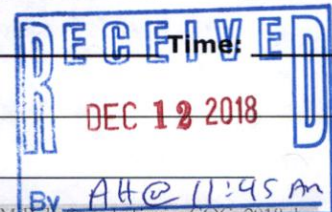
Please call the office if analyses will be late at: _____

Email Results to: kmccarthy@tighebond.com **Do Not Mail Hard Copy Report**

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 font.~~

Samples collected by: Bob Hobbins Date: 12-11-18 Time: _____Samples Relinquished by BH Date: 12-12-18 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State CT ☐ Other _____Method of Shipment: ☐ Overnight (Check one: Fed Ex / UPS) ☐ Other _____



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: 241806429

Customer ID: TIGH62

Customer PO: 28-2087-033

Project ID:

Attention: Kevin McCarthy

Tighe & Bond

213 Court Street

Suite 1100

Middletown, CT 06457

Phone: (860) 704-4760

Fax: (860) 704-4775

Received Date: 12/12/2018 11:45 AM

Analysis Date: 12/12/2018 - 12/13/2018

Collected Date: 12/11/2018

Project: 28-2087-033/ Stamford Mold Task Force - Westover Magnet School

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1211BH-01A 241806429-0001	Cafeteria - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-01B 241806429-0002	Cafeteria - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-01C 241806429-0003	Cafeteria - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-01D 241806429-0004	Media Center - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-01E 241806429-0005	Media Center - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-01F 241806429-0006	Dance Room - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-01G 241806429-0007	Dance Room - Spray-Applied Texture Ceiling- White	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1211BH-02A 241806429-0008	Dance Room - Gypsum Ceiling - White	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
1211BH-02B 241806429-0009	Media Center - Gypsum Ceiling - White	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
1211BH-02C 241806429-0010	Cafeteria - Gypsum Ceiling - White	White Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
1211BH-03A 241806429-0011	Media - Paper Backing on Fiberglass Deck Insulation-Silver	Tan/Silver/Yellow Fibrous Homogeneous	50% Cellulose 40% Min. Wool	10% Non-fibrous (Other)	None Detected
1211BH-03B 241806429-0012	Cafeteria - Paper Backing on Fiberglass Deck Insulation-Silver	Tan/Yellow Fibrous Homogeneous	45% Cellulose 35% Min. Wool	20% Non-fibrous (Other)	None Detected

Initial report from: 12/13/2018 09:58:08



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: 241806429

Customer ID: TIGH62

Customer PO: 28-2087-033

Project ID:

Analyst(s)

Lauren Butkus (5)

Quetcy Castro Romero (7)

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: 12/13/2018 09:58:08



Friday, January 11, 2019

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

Project ID: 28-2087-033A
Sample ID#s: CC24707 - CC24721

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

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

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

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

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24707

Project ID: 28-2087-033A
Client ID: PCB-EEC-01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1221	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1232	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1242	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1248	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1254	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1260	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1262	ND	710	ug/Kg	5	01/09/19	F	SW8082A
PCB-1268	ND	710	ug/Kg	5	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	94	%	5	01/09/19	F	30 - 150 %
% TCMX	88	%	5	01/09/19	F	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:

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.

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

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Phyllis Shiller, Laboratory Director

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24708

Project ID: 28-2087-033A
Client ID: PCB-EEC-01B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	410	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	73	%	2	01/09/19	F	30 - 150 %
% TCMX	78	%	2	01/09/19	F	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

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24709

Project ID: 28-2087-033A
Client ID: PCB-EEC-01C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1221	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1232	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1242	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1248	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1254	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1260	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1262	ND	750	ug/Kg	5	01/09/19	F	SW8082A
PCB-1268	ND	750	ug/Kg	5	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	94	%	5	01/09/19	F	30 - 150 %
% TCMX	87	%	5	01/09/19	F	30 - 150 %

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

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

Comments:

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

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

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Phyllis Shiller, Laboratory Director

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24710

Project ID: 28-2087-033A
Client ID: PCB-EWC-02A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1221	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1232	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1242	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1248	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1254	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1260	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1262	ND	770	ug/Kg	5	01/09/19	F	SW8082A
PCB-1268	ND	770	ug/Kg	5	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	91	%	5	01/09/19	F	30 - 150 %
% TCMX	86	%	5	01/09/19	F	30 - 150 %

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

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

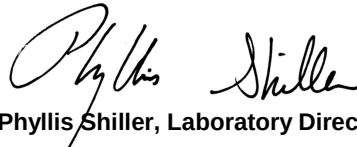
Comments:

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.

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

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Phyllis Shiller, Laboratory Director

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24711

Project ID: 28-2087-033A
Client ID: PCB-EWC-02B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	410	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	410	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	86	%	2	01/09/19	F	30 - 150 %
% TCMX	81	%	2	01/09/19	F	30 - 150 %

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

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

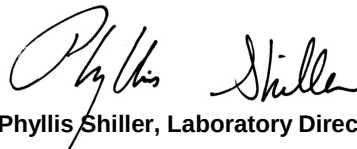
Comments:

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.

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

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Phyllis Shiller, Laboratory Director

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24712

Project ID: 28-2087-033A
Client ID: PCB-EWC-02C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1221	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1232	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1242	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1248	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1254	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1260	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1262	ND	810	ug/Kg	5	01/09/19	F	SW8082A
PCB-1268	ND	810	ug/Kg	5	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	94	%	5	01/09/19	F	30 - 150 %
% TCMX	93	%	5	01/09/19	F	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

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24713

Project ID: 28-2087-033A
Client ID: PCB-EDC-03A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1221	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1232	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1242	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1248	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1254	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1260	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1262	ND	800	ug/Kg	5	01/10/19	F	SW8082A
PCB-1268	ND	800	ug/Kg	5	01/10/19	F	SW8082A

QA/QC Surrogates

% DCBP	47	%	5	01/10/19	F	30 - 150 %
% TCMX	43	%	5	01/10/19	F	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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All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

January 11, 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

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24714

Project ID: 28-2087-033A
Client ID: PCB-EDC-03B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1221	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1232	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1242	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1248	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1254	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1260	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1262	ND	720	ug/Kg	5	01/09/19	F	SW8082A
PCB-1268	ND	720	ug/Kg	5	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	91	%	5	01/09/19	F	30 - 150 %
% TCMX	83	%	5	01/09/19	F	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

January 11, 2019

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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24715

Project ID: 28-2087-033A
Client ID: PCB-EDC-03C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1221	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1232	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1242	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1248	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1254	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1260	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1262	ND	630	ug/Kg	1	01/09/19	F	SW8082A
PCB-1268	ND	630	ug/Kg	1	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	51	%	1	01/09/19	F	30 - 150 %
% TCMX	54	%	1	01/09/19	F	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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January 11, 2019

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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24716

Project ID: 28-2087-033A
Client ID: PCB-EDC-04A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1221	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1232	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1242	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1248	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1254	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1260	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1262	ND	680	ug/Kg	1	01/09/19	F	SW8082A
PCB-1268	ND	680	ug/Kg	1	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	60	%	1	01/09/19	F	30 - 150 %
% TCMX	52	%	1	01/09/19	F	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

January 11, 2019

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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24717

Project ID: 28-2087-033A
Client ID: PCB-EDC-04B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	670	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	670	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	80	%	2	01/09/19	F	30 - 150 %
% TCMX	77	%	2	01/09/19	F	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.

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Phyllis Shiller, Laboratory Director

January 11, 2019

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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24718

Project ID: 28-2087-033A
Client ID: PCB-EDC-04C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	620	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	620	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	81	%	2	01/09/19	F	30 - 150 %
% TCMX	84	%	2	01/09/19	F	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24719

Project ID: 28-2087-033A
Client ID: PCB-EDC-05A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	880	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	880	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	85	%	2	01/09/19	F	30 - 150 %
% TCMX	80	%	2	01/09/19	F	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

January 11, 2019

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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24720

Project ID: 28-2087-033A
Client ID: PCB-EEC-05B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	570	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	570	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	83	%	2	01/09/19	F	30 - 150 %
% TCMX	81	%	2	01/09/19	F	30 - 150 %

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

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

Comments:

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Phyllis Shiller, Laboratory Director

January 11, 2019

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

Analysis Report

January 11, 2019

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

Sample Information

Matrix: BULK
Location Code: TIGHE
Rush Request: 72 Hour
P.O.#:

Custody Information

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

Date

01/07/19

Time

01/08/19 14:16

Laboratory Data

SDG ID: GCC24707
Phoenix ID: CC24721

Project ID: 28-2087-033A
Client ID: PCB-EDC-05C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				01/08/19	XX/VS/KL	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1221	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1232	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1242	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1248	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1254	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1260	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1262	ND	500	ug/Kg	2	01/09/19	F	SW8082A
PCB-1268	ND	500	ug/Kg	2	01/09/19	F	SW8082A

QA/QC Surrogates

% DCBP	86	%	2	01/09/19	F	30 - 150 %
% TCMX	92	%	2	01/09/19	F	30 - 150 %

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

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

Comments:

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.

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

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



Phyllis Shiller, Laboratory Director

January 11, 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

January 11, 2019

QA/QC Data

SDG I.D.: GCC24707

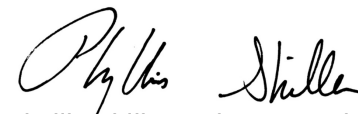
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 462508 (ug/Kg), QC Sample No: CC24707 10X (CC24707, CC24708, CC24709, CC24710, CC24711, CC24712, CC24713, CC24714, CC24715, CC24716, CC24717, CC24718, CC24719, CC24720, CC24721)										
Polychlorinated Biphenyls - Bulk										
PCB-1016	ND	170	101	99	2.0				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	96	101	5.1				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	99	%	99	101	2.0				30 - 150	30
% TCMX (Surrogate Rec)	103	%	103	105	1.9				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
January 11, 2019

Friday, January 11, 2019

Criteria: None

State: CT

Sample Criteria Exceedances Report
GCC24707 - 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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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

January 11, 2019

SDG I.D.: GCC24707

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

L.O.W.O.I.P

Tight & Bond

Engineers | Environmental Specialists

PCB BULK SAMPLE CHAIN OF CUSTODY

SAMPLE LOG FOR PCB SOURCE MATERIALS

Sheet 1 of 2

Project Name: Stamford Mold Task Force

Project No. 28-2087-033A

Building: Westover Elementary School

Project Manager: Kevin McCarthy

Sample ID	Material Description (i.e. paint, caulk, mastic)	Sample Location	Color	Substrate	Sample Date	Sample Time
PCB-EEC-01A	Exterior Expansion Caulking	04707 North	Gray	Brick	01-07-19	PM
PCB-EEC-01B	Exterior Expansion Caulking	04708 West	Gray	Brick	01-07-19	PM
PCB-EEC-01C	Exterior Expansion Caulking	04709 South	Gray	Brick	01-07-19	PM
PCB-EWC-02A	Exterior Window Frame Caulking	04710 North	Red	Brick/Metal	01-07-19	PM
PCB-EWC-02B	Exterior Window Frame Caulking	04711 West	Red	Brick/Metal	01-07-19	PM
PCB-EWC-02C	Exterior Window Frame Caulking	04712 South	Red	Brick/Metal	01-07-19	PM
PCB-EDC-03A	Exterior Door Frame Caulking	04713 North	Red	Brick/Metal	01-07-19	PM
PCB-EDC-03B	Exterior Door Frame Caulking	04714 West	Red	Brick/Metal	01-07-19	PM
PCB-EDC-03C	Exterior Door Frame Caulking	04715 South	Red	Brick/Metal	01-07-19	PM
PCB-EDC-04A	Exterior Door Frame Caulking	04716 North- at Maintenance Garage	White	Brick/Metal	01-07-19	PM
PCB-EDC-04B	Exterior Door Frame Caulking	04717 North- at Maintenance Garage	White	Brick/Metal	01-07-19	PM
PCB-EDC-04C	Exterior Door Frame Caulking	04718 North- at Maintenance Garage	White	Brick/Metal	01-07-19	PM
PCB-EDC-05A	Exterior Door Frame Caulking	04719 Gymnasium	Gray	Brick/Metal	01-07-19	PM
PCB-EDC-05B	Exterior Door Frame Caulking	04720 Gymnasium	Gray	Brick/Metal	01-07-19	PM
PCB-EDC-05C	Exterior Door Frame Caulking	04721 Gymnasium	Gray	Brick/Metal	01-07-19	PM

4-0WNC110

PCB BULK SAMPLE CHAIN OF CUSTODY

SAMPLE LOG FOR PCB SOURCE MATERIALS

Sheet 2 of 2

Project Name: Stamford Mold Task Force

Project No. 28-2087-033A

Building: Westover Elementary School

Project Manager: Kevin McCarthy

Analysis Method: EPA Method 3500B/3540C (Extraction), EPA Method 8082 (Analysis)

Laboratory: Phoenix

Turnaround Time: 3 day

Email PDF of Results to: kmccarthy@tightebond.com

Reporting Limit: < 1 PPM

Special Instructions/Comments:

Samples Collected By: Bob Hobbs

Date: 01-07-19

Relinquished [By] [To]:

BLH DB Fridge

Time:

Date: 1-7-19

Time: 1600

Relinquished [By] [To]:

DB Fridge known within

Date: 1/8/19

Time: 1109

Relinquished [By] [To]:

known within Erving

Date: 1-8-19

Time: 11:09

Erving TTCAM 1414



EMSL Analytical, Inc.

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

Order ID: 241805823
Customer ID: TIGH62
Customer PO:
Project ID:

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

Phone: (860) 704-4760
Fax: (860) 704-4775
Collected:
Received: 11/05/2018
Analyzed: 11/05/2018

Proj: Stamford- Mold Task Force- Westover School

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	241805823-0001	241805823-0002	241805823-0003	241805823-0004	241805823-0005
Client Sample ID:	115KM01	115KM02	115KM03	115KM04	115KM05
Sample Location:	Media Center- Book (The Golem's En)	Media Center- Book (Placa Yoo Go)	Media Center- Book (Respecting Our World)	Room 123- Book (Everyday Math)	Room 103- Book (Primary Journal)
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	Rare	-
Basidiospores	-	-	Rare	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	Rare	-	-
Curvularia	-	-	-	Rare	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	Rare	Low	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	Rare	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Hyphal Fragment	-	-	Rare	Rare	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Rare	Rare	Low	Medium	Rare

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

* = Sample contains fruiting structures and/or hyphae associated with the spores.

Gloria V. Oriol, Microbiology Manager
or Other Approved Signatory

No discernable field blank was submitted with this group of samples.

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. 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 of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/05/2018 17:50:01

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com



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Phone/Fax: (203) 284-5948 / (203) 284-5978
<http://www.EMSL.com> / wallingfordlab@emsl.com

Order ID: 241805823
Customer ID: TIGH62
Customer PO:
Project ID:

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

Phone: (860) 704-4760
Fax: (860) 704-4775
Collected:
Received: 11/05/2018
Analyzed: 11/05/2018

Proj: Stamford- Mold Task Force- Westover School

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	241805823-0006				
Client Sample ID:	115KM06				
Sample Location:	C202 Room- Book (Ready Gen)				
Spore Types	Category	-	-	-	-
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Rare	-	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

* = Sample contains fruiting structures and/or hyphae associated with the spores.

Gloria V. Oriol, Microbiology Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/05/2018 17:50:01

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

213 Court Street, Suite 1100, Middletown, CT 06457

Phone 860-704-4760

Sheet of (

Project No. _____

Project Manager: _____

Analysis Method: ☒ M041 ☐ Other

Turnaround Time 3 hrs

Based on the turnaround time indicated above, analyses are due to Tighe & Bond, Inc. on or before this date:

Please call the office if analyses will be late at 860-704-4760.

Email Results to: 4-ALF with @tighebond.com

Do Not Mail Hard Copy Report Total # of Samples: 6

Special Instructions: M041 Analysis - Fungal Direct Identification

Samples collected by: MEY Date: 11/5/2018 Time: 15:00

Samples [Rec'd] [Sent by] [Signature] Date: 11/5/18 Time: 11:15

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State GA

☐ Other

Method of Shipment: ☐ Fed Ex ☐ Other

Dep





EMSL Analytical, Inc.

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

Order ID: 241805739
Customer ID: TIGH62
Customer PO:
Project ID:

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

Phone: (860) 704-4760
Fax: (860) 704-4775
Collected:
Received: 10/31/2018
Analyzed: 11/01/2018

Proj: Stamford - Westover

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Bulk Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	241805739-0001	241805739-0002	241805739-0003	241805739-0004	241805739-0005
Client Sample ID:	01	02	03	04	05
Sample Location:	Rm 112- Pipe Insulation- Blk	Rm 114- Pl- Blk	Rm 117- Pl- Blk	Rm 108- Wallpaper- Blk	Rm 113- Wallpaper- Blk
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	Rare	-	Rare	*Medium*
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	Rare
Basidiospores	-	-	-	Rare	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	*High*	*High*	*Medium*	Low	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	Rare	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	*Medium*	-	-	Rare
Unidentifiable Spores	-	-	-	Rare	Rare
Zygomycetes	-	-	-	-	-
Hyphal Fragment	Medium	Medium	Low	Rare	Rare
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	Rare	-
Fibrous Particulate	Rare	Low	Low	Rare	Rare

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

* = Sample contains fruiting structures and/or hyphae associated with the spores.

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or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/01/2018 12:44:36

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492
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Attn: Kevin McCarthy
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Suite 1100
Middletown, CT 06457

Phone: (860) 704-4760
Fax: (860) 704-4775
Collected:
Received: 10/31/2018
Analyzed: 11/01/2018

Proj: Stamford - Westover

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Bulk Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	241805739-0006	241805739-0007	241805739-0008	241805739-0009	241805739-0010
Client Sample ID:	06	07	08	09	10
Sample Location:	Rm 116- Wallpapper- Blk	Rm 115- CT- Brown	Rm 213- CT- Brown	Rm 114- Storage- Brown	Rm 123- Cove- Blk
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Rare	Rare	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	*Medium*
Cladosporium	*Rare*	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	Low
Stachybotrys/Memnoniella	-	*Medium*	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Hyphal Fragment	-	Low	-	-	High
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Low	High	High	High	Low

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

* = Sample contains fruiting structures and/or hyphae associated with the spores.

Gloria V. Oriol, Microbiology Manager
or Other Approved Signatory

No discernable field blank was submitted with this group of samples.

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/01/2018 12:44:36

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com



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Phone/Fax: (203) 284-5948 / (203) 284-5978
<http://www.EMSL.com> / wallingfordlab@emsl.com

Order ID: 241805739
Customer ID: TIGH62
Customer PO:
Project ID:

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

Phone: (860) 704-4760
Fax: (860) 704-4775
Collected:
Received: 10/31/2018
Analyzed: 11/01/2018

Proj: Stamford - Westover

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	241805739-0011	241805739-0012			
Client Sample ID:	11	12			
Sample Location:	Rm 113- FT- White	Rm 118- FT- White			
Spore Types	Category	Category	-	-	-
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	Rare	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Medium	Medium	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

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* = Sample contains fruiting structures and/or hyphae associated with the spores.

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/01/2018 12:44:36

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Gloria V. Oriol, Microbiology Manager
or Other Approved Signatory

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

241805739

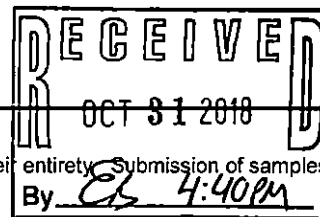
EMSL ANALYTICAL, INC.
29 NORTH PLAINS HWY UNIT 4
WALLINGFORD, CT
PHONE: (203) 284-5948
FAX: (203) 284-5948

Company Name: <u>TIGHE + BOND</u>			EMSL-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**				
Street: <u>215 Court St</u>			Third Party Billing requires written authorization from third party.				
City: <u>Middletown</u>	State/Province: <u>CT</u>		Zip/Postal Code: <u>06457</u>		Country: <u>USA</u>		
Report To (Name): <u>KEVIN MCCARTHY</u>			Telephone #: <u>203-641-2782</u>				
Email Address: <u>KMcCarthy@tighbond.com</u>			Fax #:		Purchase Order:		
Project Name/Number: <u>Stanford - Wastover</u>			Please Provide Results: ☐ Fax ☒ Email				
U.S. State Samples Taken: <u>CT</u>		Project Zip Code: <u>06457</u>		Connecticut Samples: ☒ Commercial ☐ Residential			
Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ Biocide Used in Source (specify): ☐							
Public Water Supply Samples: ☐ Note: All results may automatically be reported to DOH if required by state.							
Turnaround Time (TAT) Options * - Please Check							
☐ 3 Hour	☒ 6 Hour	☐ 24 Hour	☐ 48 Hour	☐ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week
Microbiology Test Codes							
M001 Air-O-Cell M030 Micro 5 <u>M041 Fungal Direct Examination</u> M169 Pollen ID & Enumeration M280 Dust Characterization Level-1 M281 Dust Characterization Level-2 M005 Viable Fungi- Air Samples (Genus ID & Count) M006 Viable Fungi- Air Samples (Includes <i>Penicillium</i> , <i>Aspergillus</i> , <i>Cladosporium</i> , <i>Stachybotrys</i> Species ID & Count) M007 Culturable fungi - Surface Samples (Genus ID & Count) M008 Culturable fungi - Surface Samples (Includes <i>Penicillium</i> , <i>Aspergillus</i> , <i>Cladosporium</i> , <i>Stachybotrys</i> Species ID & Count) M009 Bacteria Culture Gram Stain & Count M010 Bacteria Count & ID - 3 Most Prominent M011 Bacteria Count & ID - 5 Most Prominent		M174 MoldSnap M032 Allergenco-D M012 <i>Pseudomonas aeruginosa</i> (P/A***) M024 <i>Pseudomonas aeruginosa</i> (MFT*) M015 Heterotrophic Plate Count M017 Total Coliform & <i>E. coli</i> (Colilert P/A***) M018 Total Coliform & <i>E. coli</i> (MFT*) M114 Total Coliform & <i>E. coli</i> Enumeration (Colilert MPN**) M019 Fecal Coliform (MFT*) M020 Fecal <i>Streptococcus</i> (MFT*) M029 <i>Enterococci</i> (MFT*) M129 <i>Enterococci</i> (Enterolert P/A***) M180 Real Time qPCR-ERMI 36 Panel M025 Sewage Screen -Water (MFT*)		M115 Sewage Screen - Water (P/A***) M116 Sewage Screen - Water (MPN**) M117 Sewage Screen - Swab (P/A***) M013 Sewage Screen - Swab (MFT*) M133 <i>Methicillin-resistant Staph. aureus</i> (MRSA) M031 Rapid-growing non-TB <i>Mycobacteria</i> Detection & Enumeration M014 Endotoxin Analysis M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite) Other See Analytical Price Guide <i>Legionella</i> Analysis Please use EMSL <i>Legionella</i> COC			
*MFT= Membrane Filtration Technique **MPN= Most Probable Number ***P/A= Presence/Absence							
Name of Sampler: <u>Kevin McCarthy</u>			Signature of Sampler: <u>[Signature]</u>				
Sample #	Sample Location/Description	Sample Type	Potable/NonPotable (Only for Waters)	Test Code	Volume/Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
Sample A1	Kitchen Sink Tap	Water	☒ P ☐ NP	M017	100 mL	9/11/13 4:00 PM	
01	Rm 112 - Pipe Insulation - Blk	Bulk	☐ P ☐ NP	M041		10/31/18	
02	Rm 114 - FI - Blk		☐ P ☐ NP				
03	Rm 117 - PI - Blk		☐ P ☐ NP				
04	Rm 108 - Wallpaper - Blk		☐ P ☐ NP				
05	Rm 113 - Wallpaper - Blk		☐ P ☐ NP				
Client Sample # (s):		Total # of Samples:		Samples Received Chilled? (Lab Use Only)		Yes / No	
Relinquished (Client): <u>[Signature]</u>		Date: <u>10/31/18</u>		Time: <u>PM</u>			
Received (Lab):		Date:		Time:			
Comments/Special Instructions:							

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