

Hazardous Building Materials Inspection

**Plymouth Hall
Fairfield Hills Campus
Newtown, Connecticut**

Town of Newtown

Newtown, Connecticut

August 2015

Revised January 2015, December 2016, May 22, 2017, and May 24, 2017



FUSS & O'NEILL
EnviroScience, LLC

Fuss & O'Neill EnviroScience, LLC

56 Quarry Road
Trumbull, CT 06611



FUSS & O'NEILL
EnviroScience, LLC

August 28, 2015

Revised January 8, 2016, December 29, 2016, May 22, 2017, and May 24, 2017

Ms. Christal Preszler
Town of Newtown
3 Primrose Street
Newtown, CT 06470

**Re: Hazardous Building Materials Inspection
Plymouth Hall
Fairfield Hills Campus, Simpson Street, Newtown, Connecticut**
Fuss & O'Neill EnviroScience Project No. 20141268.A9E

Dear Ms. Preszler:

Enclosed is the revised summary report for the hazardous building materials inspection conducted for the Plymouth Hall building located on Simpson Street on the campus of Fairfield Hills in Newtown, Connecticut (the "Site"). The work was conducted for the Town of Newtown (the "Client").

The services were performed in July 2015, November 2015, December 2015, and October 2016 by a Fuss & O'Neill EnviroScience, LLC state-licensed inspector and included an asbestos inspection, lead-based paint determination, lead waste disposal characterization, polychlorinated biphenyl (PCB)-containing exterior building materials sample collection and analysis, and an inventory of PCB-containing light ballasts, mercury-containing devices, and other building wastes. The information summarized in this report is for the abovementioned materials and locations only.

If you should have any questions regarding the contents of this report, please contact me at (203)-374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Helen Rimsa
Senior Scientist

HR/kr

Enclosure

56 Quarry Road
Trumbull, CT
06611
t 203.374.3748
800.286.2469
f .203.374.4391

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

Table of Contents

Hazardous Building Materials Inspection Report Plymouth Hall Simpson Street, Fairfield Hills Campus, Newtown, CT Town of Newtown

1	Introduction	1
2	Asbestos Inspection.....	1
2.1	Methodology	1
2.2	Results	3
2.3	Discussion	4
2.4	Conclusions and Recommendations.....	4
3	Lead-Based Paint Determination.....	5
3.1	Methodology	5
3.2	Results	6
3.3	Discussion	6
3.4	Conclusions and Recommendations.....	6
4	Lead Waste Characterization	7
4.1	Sample Collection Methodology	7
4.2	Results	7
4.3	Conclusion and Recommendations	8
5	PCB-Containing Building Materials Inspection	9
5.1	Methodology	9
5.1.1	Source Materials	9
5.1.2	Adjacent Surfaces.....	9
5.2	Results	10
5.2.1	Source Materials	10
5.2.2	Adjacent Surfaces.....	10
5.3	Conclusions and Recommendations.....	11
6	PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory.....	11
6.1	PCB-Containing Fluorescent Ballasts.....	11
6.2	PCB-Containing Fluorescent Ballasts Methodology	11
6.3	Mercury-Containing Devices	12
6.4	Mercury-Containing Devices Methodology	12
6.5	Other Building Wastes	12
6.6	Other Building Wastes Methodology.....	12
6.7	Conclusions and Recommendations.....	12

Tables

End of Text

1. Summary of Suspect Asbestos-Containing Materials Data
2. Summary of Asbestos-Containing Materials
3. Summary of PCB-Containing Materials Data
4. Summary of PCB-Containing Materials
5. Summary of PCB-Containing Adjacent Surface Materials Data
6. Summary of PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes

Appendices

End of Text

APPENDIX A	LIMITATIONS
APPENDIX B	ENVIROSCIENCE INSPECTOR STATE LICENSES AND EPA ACCREDITATIONS
APPENDIX C	ASBESTOS LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS
APPENDIX D	ASBESTOS-CONTAINING MATERIALS DIAGRAMS
APPENDIX E	LEAD PAINT DETERMINATION FIELD DATA SHEETS
APPENDIX F	LEAD TCLP LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORM, AND TCLP REPRESENTATIVE DEMOLITION WASTE STREAM SAMPLE ALIQUOT COMPUTATION FORM
APPENDIX G	PCB LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORMS
APPENDIX H	SITE PHOTOGRAPHS
APPENDIX I	OPINION OF ABATEMENT AND DEMOLITION COST

1 Introduction

On July 14 and July 15, 2015, November 19, 2015, and December 11, 2015. Fuss & O'Neill EnviroScience, LLC (EnviroScience) representatives Mr. Robert Hobbins, Mr. Thomas Cruess, and Sandra Guzman performed a hazardous building materials inspection of Plymouth Hall located on Simpson Street on the campus of Fairfield Hills in Newtown, Connecticut (the "Site"). On October 26, 2016 and November 10, 2016, EnviroScience returned to the Site to perform additional sampling for the characterization of the anticipated waste streams at the Site. The inspection included the following services:

- Asbestos-Containing Materials (ACM) Inspection;
- Lead-Based Paint (LBP) Determination;
- Lead Waste Characterization Sampling;
- Polychlorinated Biphenyl (PCB)-Containing Exterior Building Materials Sample Collection and Analysis; and
- PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory.

The work was conducted for the Town of Newtown (the "Client") in accordance with our scope of services and is subject to the limitations included in *Appendix A*.

This hazardous building materials inspection was performed in response to proposed renovation and/or demolition of the building and included the building interiors, exteriors, and roofs.

2 Asbestos Inspection

A property owner must ensure that a thorough ACM inspection is performed prior to possible disturbance of suspect ACM during renovation and/or demolition activities. This is a requirement of the United States Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

On July 14 and July 15, 2015, and November 19, 2015, Mr. Hobbins and Mr. Cruess of EnviroScience conducted the inspection. Mr. Hobbins and Mr. Cruess are State of Connecticut Department of Public Health (CTDPH)-licensed Asbestos Inspectors. Refer to *Appendix B* for the EnviroScience Inspector state licenses, certifications, and EPA accreditations.

2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect materials. The suspect materials were categorized into three EPA NESHAP groups: friable and non-friable Category I and Category II type ACM.

- A Friable Material is defined as material that contains greater than 1 percent asbestos, that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.

- Category I non-friable ACM is any asbestos-containing packing, gasket, resilient floor covering or asphalt roofing product which contains more than one percent (1%) asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material excluding Category I materials that contain greater than 1 percent asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM was also categorized into their applications including, Thermal System Insulation (TSI), Surfacing ACM (S), and Miscellaneous ACM (M). TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded pipe fitting insulations. Surfacing ACM includes those ACM that are applied by spray, trowel, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include those ACM not listed as thermal or surfacing, such as linoleum, vinyl asbestos flooring, ceiling tiles, caulking, glues, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content and to segregate each suspect type of homogenous (similar in color, texture, and date of application) materials. 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 included in Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the type of material and quantity present. This regulation includes the following protocol:

1. Surfacing Materials (S) (i.e., plasters, spray-applied fire-proofing, etc.) must be collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
 - a. Three (3) samples collected from each homogenous area that is less than or equal to 1,000 square feet.
 - b. Five (5) samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
 - c. Seven (7) samples collected from each homogenous area that is greater than 5,000 square feet.
2. Thermal System Insulation (TSI) (i.e., pipe insulations, tank insulations, etc.) must be collected in a randomly distributed manner representing each homogenous area. Three (3) samples must be collected from each material. Also, a minimum of one (1) sample of any patching materials applied to TSI presuming the patched area is less than 6 linear or square feet should be collected.
3. Miscellaneous materials (M) (i.e., floor tile, gaskets, construction mastics, etc.) should have a minimum of two (2) samples collected for each type of homogenous material. Sample

collection was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the inspector.

The inspectors collected samples of those suspect ACM that may be disturbed by proposed renovation and/or demolition activities. EnviroScience prepared proper chain-of-custody forms for transmission of the samples collected to EMSL Analytical Inc., of South Portland, Maine, for analysis. EMSL is a Connecticut-licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos analytical laboratory. The sample locations, material type, sample identification, and asbestos content are identified by bulk sample analysis in **Table 1** attached hereto. Suspect ACM not listed in the table that may be identified at a later date at the Site, should be assumed to be ACM until sample collection and analysis indicate otherwise. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

Destructive investigations for inaccessible and hidden materials were performed at the Site. The destructive investigations included the following areas:

- Wall Cavities;
- Pipe Chases;
- Spaces Above Fixed Ceilings;
- Behind Foundation Walls;
- Under Concrete Slabs;
- Spaces Behind Brick Façade; and
- Behind Mirrors.

EnviroScience did not conduct subsurface investigations to identify potential cementitious pipe at the Site. Additionally, the pipe tunnels and pedestrian tunnels located in the basement were not included in this inspection at the Client's direction.

2.2 Results

Utilizing the EPA protocol and criteria, the following materials were determined to be ACM:

- Gray Mudded Pipe Fitting Insulation (Various Diameters);
- White Pre-formed Pipe Insulation;
- White Cloth Pipe Wrap;
- Silver Paper Backing on Single Bulb Light Fixtures;
- Tan Kiln Lining;
- Floor Tile (Various Sizes and Colors) and Black Floor Mastic;
- 1' x 1' Glued-Set Wall Tile;
- Black Bake-Lite® Electrical Panel;
- Light Gray Cementitious Countertop;
- Black Sink Undercoating;
- White Putty/Caulking Compounds on Electrical Wiring inside Metal Drinking Fountains;
- Interior Gray Window Glazing Compounds;
- Exterior and Interior White Window Glazing Compounds;

- Exterior Gray Window Caulking Compounds;
- Exterior Gray Vent Caulking Compounds;
- Exterior Gray Coping Stone Seam Caulking Compounds,
- Exterior Black Tar/Paper behind Concrete Window Sills;
- Exterior Tar/Paper between Brick and Concrete Foundation; and
- Exterior Black Roof Tar under Roof Shingles.

Refer to the attached **Table 1** for a complete list of ACM and non-ACM identified as part of this inspection and attached **Table 2** for a list of ACM by homogenous locations. Refer to *Appendix C* for the asbestos laboratory analytical reports and chain-of-custody forms. See *Appendix D* for site diagrams depicting ACM located within the building.

2.3 Discussion

The EPA, the Occupational Safety and Health Administration (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.

Additionally, the EPA has suggested that materials that are non-friable organically bound materials (e.g., asphaltic-based materials, adhesives, etc.) are recommended for further confirmatory analysis utilizing Transmission Electron Microscopy (TEM). Thirty-two of the collected samples were analyzed by TEM. The results of TEM analysis are denoted in **Table 1**.

2.4 Conclusions and Recommendations

ACM was identified at the Site during this inspection. ACM that will be impacted by proposed building renovation and/or demolition must be abated by a CTDPH-licensed Asbestos Abatement Contractor prior to disturbance during building renovation and/or demolition activities. This includes all friable and non-friable ACM and is a requirement of the CTDPH and EPA NESHAP standards for asbestos abatement.

Materials containing $< 1\%$ asbestos are not regulated by CTDPH or EPA; however OSHA regulations still apply during renovation and/or demolition activities that will disturb the materials. During renovation and/or demolition activities involving materials containing $< 1\%$ asbestos, the materials should be removed under controlled conditions (use of water to inhibit dust). Additionally, the contractor should perform personal air sampling to document worker exposure to airborne fibers. If personal air sampling documents airborne fiber concentrations above the OSHA Permissible Exposure Limit (PEL), additional OSHA regulatory requirements (worker training, worker protection, construction of a regulated area, use of worker decontamination unit, etc.) are required.

EnviroScience recommends that a comprehensive scope of work and technical specification for asbestos abatement be developed as part of Site renovation and/or demolition plans. Due to damaged ACM located throughout the Site, an Alternative Work Practice (AWP) should be developed by a CTDPH-licensed Asbestos Project Designer and submitted to the CTDPH for approval. The AWP should be

developed for the installation of critical barriers, establishment of negative pressure, and construction of a decontamination unit. Once critical barriers, negative pressure, and a decontamination unit are constructed, the abatement contractor would clean all surfaces, abate all ACM, and encapsulate the work area prior to re-occupancy air clearance testing.

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

This report is not intended to be utilized as a bidding document or as a project specification document.

The report is designed to aid the building owner, architect, construction manager, general contractors, and contractors in locating ACM.

3 Lead-Based Paint Determination

On July 15, 2015 and November 19, 2015, Mr. Hobbins performed a LBP determination by testing coated building components at the Site scheduled for renovation and/or demolition. Mr. Hobbins is a CTDPH-Certified Lead Inspector. Refer to *Appendix B* for the EnviroScience Inspector state license and EPA accreditation.

An X-ray fluorescence (XRF) analyzer was used to perform the LBP determination. The testing was conducted in accordance with generally-accepted industry practices and procedures. The determination was conducted in accordance with generally-accepted industry standards for non-residential (i.e., not child-occupied) buildings.

A Radiation Monitoring Device Model LPA-B, serial number 3241R, was utilized for the LBP determination. The instrument was checked for proper calibration prior to use as detailed by the manufacturer and the Performance Characteristic Sheet (PCS) developed for the instrument.

3.1 Methodology

LBP issues involving properties that are residential and do not have children under the age of six are regulated to a limited degree for worker protection relating to paint-disturbing work activities and waste disposal.

Worker protection is regulated by OSHA regulations. These regulations involve air monitoring of workers to determine exposure levels when disturbing lead-containing paint. An LBP determination cannot determine a safe level of lead, but is intended to provide guidance for implementing industry standards for lead in paint at identified locations. Contractors may then better determine exposure of workers to airborne lead by understanding the different concentrations of LBP activities that disturb paint on representative surfaces.

The EPA Resource Conservation and Recovery Act (RCRA), as well as the State of Connecticut Department of Energy and Environmental Protection (CTDEEP), regulate disposal of lead-containing waste. If lead is determined to be present in residential buildings, lead-containing materials that will be impacted during demolition activities and result in waste for disposal must either be analyzed using the

Toxicity Characteristic Leaching Procedure (TCLP) analytical method, or be presumed as a hazardous waste. TCLP analysis is performed on a representative sample of the intended waste stream. The results are compared to a threshold value of 5.0 milligrams per liter (mg/L); a result exceeding this value is considered hazardous lead waste. If the result is below the established level, the material is not considered hazardous and may be disposed as general construction debris.

A level of LBP exceeding 1.0 milligram of lead per square centimeter (mg/cm²) is considered toxic or dangerous for compliance with residential standards. For purpose of this LBP determination the level of 1.0 mg/cm² has been utilized as a guide for segregating building components for TCLP sample collection and analysis as possible hazardous waste.

3.2 Results

“The LBP determination indicated consistent painting trends associated with representative coated building components that will be impacted by the proposed demolition work. The following coated building components tested were determined to contain lead exceeding 1.0 mg/cm²:

Interior

- Tan Metal Stairwell Stringer;
- Yellow Metal Ladder to Roof Hatch;
- Red Metal Fire Pull; and
- Green and Tan Ceramic Wall Tile.

Refer to *Appendix E* for the lead paint determination field data sheets.

3.3 Discussion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May 1993. The OSHA Lead Standard has no set limit for the content of lead in paint below which the standards do not apply. The OSHA Lead Standards are task-based, and derived from airborne exposure and blood lead levels.

The results of this LBP determination are intended to provide guidance to contractors for occupational exposure-control to lead. Building components containing lead levels above industry standards that are disturbed may cause exposures to lead above OSHA standards during demolition activities.

3.4 Conclusions and Recommendations

Coated building components tested were identified during this inspection as containing lead exceeding 1.0 mg/cm². Due to the presence of LBP at the Site, samples of the representative waste stream from each building were collected and TCLP analysis was performed to determine proper off-site waste disposal (see Section 4 of this report for additional information). LBP-coated building materials should not be subject to grinding, sawing, drilling, sanding, or torch cutting.

Contractors must be made aware that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 does not apply. Contractors shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers during any demolition work that will impact lead paint.

EnviroScience recommends that a comprehensive scope of work and technical specification for LBP awareness during renovation and/or demolition be developed as part of Site renovation and/or demolition plans.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the building owner, architect, construction manager, general contractors, and asbestos abatement contractors in locating LBP.

4 Lead Waste Characterization

A waste is a solid or liquid material that serves no further purpose. A waste is defined by EPA to be hazardous if it contains certain properties that could pose dangers to human health and the environment after it is discarded. Wastes that are ignitable, corrosive, reactive, or toxic are regulated under the Hazardous Waste Regulations. TCLP is a method that extracts the compounds of interest in a standard way simulating landfill conditions (EPA Title 40 CFR, Part 261).

4.1 Sample Collection Methodology

Mr. Hobbins and Ms. Guzman collected representative aliquots of various LBP-coated building components throughout the building for TCLP analysis. Samples were collected of representative of anticipated waste at the Client's direction as follows:

- Entire Building Components without Foundation;
- Entire Building Components including Foundation;
- Asbestos-Containing Building Components; and
- Coping Stone Seam Caulking and Lead Metal Covering.

Material substrates such as concrete and wood were segregated in accordance with LBP determination data. Representative aliquots were collected of the individual substrates/surfaces and composited based on their respective quantities into a single sample. The composite samples were analyzed by TCLP for lead as a representation of the abovementioned anticipated waste streams.

Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut analyzed the composite samples. Phoenix is a Connecticut-certified laboratory. The sample was analyzed using EPA Method SW-846 (Extraction Method 1311).

4.2 Results

In total, four waste characterization samples were collected and analyzed by TCLP. The EPA RCRA statutes define a waste stream containing lead which is commonly identified in paint to be a hazardous

waste stream if greater than 5.0 milligrams per liter (mg/L) of lead is leached from the material by the TCLP test.

- Entire Building Components without Foundation <0.10 mg/L;
- Entire Building Components including Foundation <0.10 mg/L;
- Asbestos-Containing Building Components <0.10 mg/L, and
- Coping Stone Seam Caulking and Lead Metal Covering 3,450 mg/L.

The initial analytical results of the representative samples indicate lead at < 5.0 mg/L for the entire building components without foundation and the entire building components including foundation. The Initial asbestos-containing building component sample was originally 7.34 mg/L; classified as hazardous waste. However, after a conversation with the laboratory and the field technician, it was determined that the coping stone seam caulking and lead metal covering may have influenced the results. Because of this, EnviroScience returned to the Site and took two additional TCLP samples in order to separate the suspected leaded component. As a result of this separation of TCLP samples, the asbestos-containing building components results was <5.0 mg/L while the coping stone seam caulking compound and the lead metal covering was 3,450 mg/L and is classified as hazardous waste.

Based on these three analytical results including the entire building components without foundation, the entire building components including foundation, and the asbestos-containing building components are not classified as hazardous waste. The analytical result of the representative samples of the coping stone seam caulking and lead metal covering was > 5.0 mg/L and is classified as hazardous waste. In addition, the coping stone seam caulking contains PCBs ≥ 1 ppm and <50 ppm and also contains >1% asbestos.

Refer to *Appendix F* for the Lead TCLP laboratory analytical report and chain-of-custody form, and TCLP representative demolition waste stream sample aliquot computation form.

4.3 Conclusion and Recommendations

Based on the TCLP laboratory analytical results of the representative waste stream composite samples of the entire building components without foundation, the entire building components including foundation, and the asbestos-containing building components are not classified as hazardous waste.

Based on the TCLP laboratory analytical results of the representative waste stream composite sample of the coping stone seam caulking and lead metal covering, the building demolition waste is classified by EPA and CTDEEP as hazardous waste.

It is recommended that the coping stone seam caulking and lead metal covering be segregated from non-hazardous building components during abatement activities for disposal as hazardous lead mixed with asbestos and <50 ppm PCB-containing waste.

5 PCB-Containing Building Materials Inspection

Sampling of building materials for PCBs is presently not mandated by the EPA. However, significant liability exists for building owners who improperly dispose a PCB-containing waste material. Recent knowledge and awareness of PCB's within matrices such as caulking compounds, glazing compounds, paints, adhesives, and ceiling tiles has become more prevalent, especially amongst remediation contractors, waste haulers, and disposal facilities.

Presently, building materials containing PCBs at concentrations equal to or greater than (\geq) 50 parts per million (ppm) or the equivalent units of milligrams per kilogram (mg/kg) are regulated by the EPA and characterized as PCB Bulk Product. Building materials containing less than ($<$) 50 ppm may also be regulated 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 PCBs that were legally manufactured, processed, distributed in commerce, or used before October 1, 1984. Building materials determined to be Excluded PCB Product containing $>$ 1 ppm PCBs but $<$ 50 ppm PCBs are regulated by the CTDEEP. Building materials containing \leq 1 ppm PCBs are considered non-regulated.

Additionally, the identification of building materials containing regulated PCBs requires additional testing of the adjacent porous surfaces and/or soils, asphalts, and concrete located below source materials. The building materials adjacent to the regulated PCB material must be tested to determine if the adjacent materials are PCB contaminated and may also be considered PCB Bulk Products if disposed with source materials. Soils, asphalts, and concrete located below source materials must be tested to determine if the materials are PCB contaminated and considered PCB Remediation Waste.

5.1 Methodology

5.1.1 Source Materials

On December 1, 2015, Mr. Hobbins and Mr. Cruess collected 20 bulk samples of exterior source materials scheduled to be impacted by the renovation and/or demolition activities and submitted the samples collected for PCBs analysis. Sampling involved removal of the source materials using hand tools to submit in bulk form to determine PCB content.

The bulk source sampling tools 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. Samples were placed in a container, labeled, and delivered to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts using proper chain-of-custody. Con-Test is a State of Connecticut-certified laboratory. The analytical method included extraction Method 3540C and analytical Method SW846 8082.

5.1.2 Adjacent Surfaces

On December 10, 2015, EnviroScience representative Mr. Hobbins collected one adjacent porous surface sample to be analyzed for PCBs related to the source materials determined to contain $>$ 1 ppm PCBs.

For porous concrete samples, EnviroScience utilized a concrete coring drill to collect samples of the adjacent porous materials. Adjacent sampling was conducted in consultation with EPA “Standard Operating Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyls” dated May 5, 2011. Sampling first involved the complete removal of bulk product materials (source materials) at sampling locations using hand tools. The intent was to ensure complete removal of source materials prior to sampling the adjacent surfaces. Once removal of all visible source material was performed the porous surfaces were cleaned using solvent and wire brush.

The tools utilized to collect the adjacent porous surface samples were properly decontaminated prior to sample collection and following the collection of each individual sample according to EPA guidelines to prevent cross-contamination of samples. Samples were placed in a container, labeled, and delivered to a laboratory using proper chain-of-custody protocol. Samples were analyzed at Con-Test. The analytical method for analysis included extraction Method 3540C and analytical Method SW846 8082.

5.2 Results

5.2.1 Source Materials

Utilizing the EPA protocol and criteria, the gray exterior roof coping stone seam caulking compound was determined to contain < 50 ppm PCBs, and is an Excluded PCB Product based on adjacent sampling performed, the material is regulated by CTDEEP:

Utilizing the EPA protocol and criteria, the following materials were determined to contain ≤ 1 ppm and are considered non-regulated:

- Gray Exterior Window Caulking Compounds,
- Gray Exterior Window Glazing Compounds, and
- Gray Exterior Door Caulking Compounds.

Refer to the attached **Table 3** for a complete list of suspect PCB-containing source materials collected and analyzed as part of this inspection. Refer to attached **Table 4** for a list of materials determined to contain PCBs and their locations. Refer to *Appendix G* for PCB laboratory analytical reports and chain-of-custody forms.

5.2.2 Adjacent Surfaces

Utilizing the EPA protocol and criteria, the concrete adjacent to exterior roof coping stone seam caulking compound was determined to contain ≤ 1 ppm and is considered non-regulated:

Refer to the attached **Table 5** for a complete list of PCB-containing adjacent porous surfaces as part of this inspection. Refer to *Appendix G* for the PCB laboratory analytical reports and chain-of-custody forms.

5.3 Conclusions and Recommendations

CTDEEP-regulated PCB material was identified at the Site. The building material determined to contain < 50 ppm of PCBs is not regulated by the EPA, since this material was identified as Excluded PCB Products based on adjacent surface sampling and analysis. Currently, CTDEEP only enforces PCB-containing waste disposal. Once the material is removed, the material must be disposed at an appropriate waste facility that can accept waste containing < 50 ppm PCBs. Note that the CTDEEP-regulated material contains hazardous lead and > 1% asbestos; thus, combined waste materials must be disposed at a facility permitted to accept CTDEEP-regulated PCB and lead waste that is mixed with asbestos.

Additionally, EnviroScience recommends a comprehensive scope of work and technical specification for PCB abatement be developed as part of the Site renovation/demolition plans.

6 PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory

6.1 PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may also contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs, unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent light ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under EPA RCRA and the Superfund law as a hazardous waste. Therefore, EPA Superfund liability exists for landfilling both PCB- and DEHP-containing light ballasts. These listed materials are considered hazardous waste under EPA RCRA, and require special handling and disposal considerations.

6.2 PCB-Containing Fluorescent Ballasts Methodology

From July 14, 2015 through July 15, 2015, and November 19, 2015, EnviroScience representative Mr. Hobbins performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing light ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB- or DEHP-containing ballasts, and were not quantified for disposal.

The light ballasts without a label indicating “No PCBs” are presumed to be PCB-containing waste and must be segregated for proper removal, packaging, transport, and disposal as PCB-containing waste. Those light ballasts labeled as “No PCBs” indicating manufacture dates prior to 1991 are presumed to contain DEHP. DEHP-containing light ballasts must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less than PCB-containing light ballasts.

6.3 Mercury-Containing Devices

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. According to the EPA, mercury lamps are characterized as a Universal Waste. Therefore, fluorescent lamps must be either recycled, or disposed as hazardous waste.

6.4 Mercury-Containing Devices Methodology

On July 14, 2015, July 15, 2015, and November 19, 2015, EnviroScience representative Mr. Hobbins performed an inventory of mercury-containing lamps, thermostats, and mercury switches. These fixtures were inventoried in-place.

6.5 Other Building Wastes

Other building wastes identified in buildings may contain lead, cadmium, copper, chlorofluorocarbons, and other substances hazardous to human and environmental health. In general, building wastes may not be discarded in solid waste landfills. Examples of these wastes are batteries, fire extinguishers, emergency and exit light fixtures, electrical fuses and resistors, water bubblers, refrigeration and air conditioning equipment, and other electronic devices and gauges.

6.6 Other Building Wastes Methodology

On July 14, 2015, July 15, 2015, and November 19, 2015, Mr. Hobbins performed a visual inspection of other building wastes within the building located at the Site.

6.7 Conclusions and Recommendations

PCB-containing light ballasts, mercury-containing devices, and other building wastes were identified during this inspection. The materials must be segregated and properly disposed prior to demolition activities.

Refer to the attached **Table 6** for a complete list of PCB-containing light ballasts, mercury-containing devices, and other building wastes inventoried as part of this inspection.

EnviroScience recommends that a comprehensive scope of work and technical specification for removal and disposal of PCB-containing light ballasts, mercury-containing devices, and other building wastes be developed as part of the Site renovation and/or demolition plans.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the building owner, architect, construction manager, general contractors, and contractors in locating universal waste.

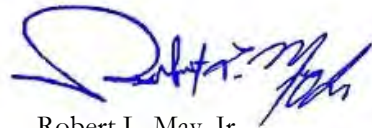
Refer to *Appendix H* for Site Photographs and *Appendix I* for the Opinion of Abatement and Demolition Cost.

Report prepared by Senior Environmental Technician, Robert Hobbins.

Reviewed by:



Helen Rimsa
Senior Scientist



Robert L. May, Jr.
President

Tables

Table 1
Summary of Suspect Asbestos-Containing Materials Data
Plymouth Hall
Fairfield Hills Campus
Newtown, Connecticut

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH01A	Gray Mudded Pipe Fitting Insulation (6" Diameter)	Friable	Room 239	18% Chrysotile	
0715BH01B	Gray Mudded Pipe Fitting Insulation (2" Diameter)	Friable	Room 239	NA/PS	
0715BH01C	Gray Mudded Pipe Fitting Insulation (2" Diameter)	Friable	Room 164	NA/PS	
0715BH01D	Gray Mudded Pipe Fitting Insulation (2" Diameter)	Friable	Room 122	NA/PS	
0715BH02A	Silver Paper Backing on Fiberglass Pipe Insulation	Non-ACM	Attic	ND	
0715BH02B	Silver Paper Backing on Fiberglass Pipe Insulation	Non-ACM	Room 206	ND	
0715BH03A	Gray HVAC Duct Flex Connector	Non-ACM	Attic	ND	
0715BH03B	Gray HVAC Duct Flex Connector	Non-ACM	Auditorium Catwalk	ND	
0715BH04A	Silver Paper Backing on Single Bulb Light Fixture	Friable	Room 133	18% Chrysotile	
0715BH04B	Silver Paper Backing on Single Bulb Light Fixture	Friable	Room 133	NA/PS	
0715BH05A	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH05B	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH05C	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH05D	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH05E	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH05F	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH05G	Brown Spray-Applied Fireproofing Insulation	Non-ACM	Attic	ND	
0715BH06A	Gray Base Coat Ceiling Plaster	Non-ACM	Room 235	ND	
0715BH06B	Gray Base Coat Ceiling Plaster	Non-ACM	Room 231	ND	
0715BH06C	Gray Base Coat Ceiling Plaster	Non-ACM	Room 204	ND	
0715BH06D	Gray Base Coat Ceiling Plaster	Non-ACM	Room 164	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH06E	Gray Base Coat Ceiling Plaster	Non-ACM	Room 142	ND	
0715BH06F	Gray Base Coat Ceiling Plaster	Non-ACM	Room 141	ND	
0715BH06G	Gray Base Coat Ceiling Plaster	Non-ACM	Room 122	ND	
0715BH07A	White Skim Coat Ceiling Plaster	Non-ACM	Room 235	ND	
0715BH07B	White Skim Coat Ceiling Plaster	Non-ACM	Room 231	ND	
0715BH07C	White Skim Coat Ceiling Plaster	Non-ACM	Room 204	ND	
0715BH07D	White Skim Coat Ceiling Plaster	Non-ACM	Room 164	ND	
0715BH07E	White Skim Coat Ceiling Plaster	Non-ACM	Room 142	ND	
0715BH07F	White Skim Coat Ceiling Plaster	Non-ACM	Room 141	ND	
0715BH07G	White Skim Coat Ceiling Plaster	Non-ACM	Room 122	ND	
0715BH08A	White Skim Coat Wall Plaster (Single Coat)	Non-ACM	Main Lobby	ND	
0715BH08B	White Skim Coat Wall Plaster (Single Coat)	Non-ACM	Main Lobby	ND	
0715BH08C	White Skim Coat Wall Plaster (Single Coat)	Non-ACM	Auditorium	ND	
0715BH08D	White Skim Coat Wall Plaster (Single Coat)	Non-ACM	Auditorium	ND	
0715BH08E	White Skim Coat Wall Plaster (Single Coat)	Non-ACM	Auditorium	ND	
0715BH09A	White Roof Deck Block	Non-ACM	Attic	ND	
0715BH09B	White Roof Deck Block	Non-ACM	Attic	ND	
0715BH09C	White Roof Deck Block	Non-ACM	Attic	ND	
0715BH10A	Yellow Kiln Insulation	Non-ACM	Room 228	ND	
0715BH10B	Yellow Kiln Insulation	Non-ACM	Room 228	ND	
0715BH10C	Yellow Kiln Insulation	Non-ACM	Room 228	ND	
0715BH11A	2' x 4' Sheetrock Suspended Ceiling Tile	Non-ACM	Room 155	ND	
0715BH11B	2' x 4' Sheetrock Suspended Ceiling Tile	Non-ACM	Room 155	ND	
0715BH12A	2' x 2' Suspended Ceiling Tile	Non-ACM	Auditorium	ND	
0715BH12B	2' x 2' Suspended Ceiling Tile	Non-ACM	Auditorium	ND	
0715BH13A	1' x 1' Glue-Set Ceiling Tile	Non-ACM	Room 223	< 1%	
0715BH13B	1' x 1' Glue-Set Ceiling Tile	Non-ACM	Room 103	< 1%	
0715BH14A	Brown Glue Daub on 1' x 1' Ceiling Tile	Non-ACM	Room 223	ND/ND	Yes

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH14B	Brown Glue Daub on 1' x 1' Ceiling Tile	Non-ACM	Room 103	ND	
0715BH15A	1' x 1' Glue-Set Wall Tile	Cat 2 NF	Room 223	2% Chrysotile	
0715BH15B	1' x 1' Glue-Set Wall Tile	Cat 2 NF	Auditorium	NA/PS	
0715BH16A	Brown Glue Daub on 1' x 1' Wall Tile	Non-ACM	Room 223	ND/ND	Yes
0715BH16B	Brown Glue Daub on 1' x 1' Wall Tile	Non-ACM	Auditorium	ND	
0715BH17A	Sheetrock Ceiling Backing behind Plaster	Non-ACM	Room 223	ND	
0715BH17B	Sheetrock Ceiling Backing behind Plaster	Non-ACM	Room 103	ND	
0715BH18A	Sheetrock Wall Board	Non-ACM	Auditorium	ND	
0715BH18B	Sheetrock Wall Board	Non-ACM	Auditorium	ND	
0715BH19A	Taping/Joint Compound on Wall Board	Non-ACM	Auditorium	ND	
0715BH19B	Taping/Joint Compound on Wall Board	Non-ACM	Auditorium	ND	
0715BH20	Sheetrock & Taping/Joint Compound Composite	Non-ACM	Auditorium	ND	
0715BH21A	Dark Gray Cementitious Countertop	Non-ACM	Room 220	ND	
0715BH21B	Dark Gray Cementitious Countertop	Non-ACM	Room 220	ND	
0715BH22A	Light Gray Cementitious Countertop	Cat 2 NF	Room 228	20% Chrysotile	
0715BH22B	Light Gray Cementitious Countertop	Cat 2 NF	Room 228	NA/PS	
0715BH23A	HVAC Hatch Door Black Seam Glue	Non-ACM	Attic	ND/< 0.1%	Yes
0715BH23B	HVAC Hatch Door Black Seam Glue	Non-ACM	Attic	ND	
0715BH24C	Black Sink Undercoating	Cat 2 NF	Room 141	NA/PS	
0715BH25A	White Putty Caulking on Drinking Fountain Wiring	Cat 2 NF	Room 104	8% Chrysotile	
0715BH25B	White Putty Caulking on Drinking Fountain Wiring	Cat 2 NF	Room 104	NA/PS	
0715BH26A	Black Tar on Drinking Fountain Foam Wire Wrap	Non-ACM	Room 204	ND/ND	Yes
0715BH26B	Black Tar on Drinking Fountain Foam Wire Wrap	Non-ACM	Room 204	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH27A	White Interior Door Window Glazing Compound	Non-ACM	Main Lobby	ND/ND	Yes
0715BH27B	White Interior Door Window Glazing Compound	Non-ACM	Main Lobby	ND	
0715BH28A	Gray Interior Window Glazing Compound	Cat 2 NF	Main Lobby	2% Chrysotile	
0715BH28B	Gray Interior Window Glazing Compound	Cat 2 NF	Main Lobby	NA/PS	
0715BH29A	White Interior/Exterior Window Glazing Compound	Cat 2 NF	Room 201	2% Chrysotile	
0715BH29B	White Interior/Exterior Window Glazing Compound	Cat 2 NF	Room 141	NA/PS	
0715BH29C	White Interior/Exterior Window Glazing Compound	Cat 2 NF	Room 103	NA/PS	
0715BH30A	Green Board – Type I	Non-ACM	Room 219	ND	
0715BH30B	Green Board – Type I	Non-ACM	Room 141	ND	
0715BH31A	Black Glue on Green Board	Non-ACM	Room 219	ND/ND	Yes
0715BH31B	Black Glue on Green Board	Non-ACM	Room 141	ND	
0715BH32A	Green Board – Type II	Non-ACM	Room 219	ND	
0715BH32B	Green Board – Type II	Non-ACM	Room 141	ND	
0715BH33A	Brown Backing on Green Board – Type II	Non-ACM	Room 219	ND/ND	Yes
0715BH33B	Brown Backing on Green Board – Type II	Non-ACM	Room 141	ND	
0715BH34A	Tan Countertop/Glue	Non-ACM	Room 107	ND	
0715BH34B	White Countertop/Glue	Non-ACM	Room 103	ND	
0715BH34C	Pink Countertop/Glue	Non-ACM	Room 122	ND	
0715BH35A	Gray Linoleum Countertop	Non-ACM	Room 103	ND	
0715BH35B	Gray Linoleum Countertop	Non-ACM	Room 103	ND	
0715BH36A	Yellow Glue on Gray Linoleum Countertop	Non-ACM	Room 103	ND/ND	Yes
0715BH36B	Yellow Glue on Gray Linoleum Countertop	Non-ACM	Room 103	ND	
0715BH37A	Yellow Wallpaper Glue	Non-ACM	Main Lobby	ND/ND	Yes
0715BH37B	Yellow Wallpaper Glue	Non-ACM	Main Lobby	ND	
0715BH38A	Brown Pressed Board behind Radiator Cover	Non-ACM	Room 101	ND	
0715BH38B	Brown Pressed Board behind Radiator Cover	Non-ACM	Room 101	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH39A	Brown Glue behind False Radiator Cover	Non-ACM	Room 101	ND/ND	Yes
0715BH39B	Brown Glue behind False Radiator Cover	Non-ACM	Room 101	ND	
0715BH40A	Black Tar/Paper behind Radiator and Window Sill	Cat 2 NF	Room 101	7% Chrysotile	
0715BH40B	Black Tar/Paper behind Radiator and Window Sill	Cat 2 NF	Room 101	NA/PS	
0715BH41A	Tan Ceramic Wall Tile	Non-ACM	Room 206	ND	
0715BH41B	Tan Ceramic Wall Tile	Non-ACM	Room 170	ND	
0715BH42A	Green Ceramic Wall Tile	Non-ACM	Room 209	ND	
0715BH42B	Green Ceramic Wall Tile	Non-ACM	Room 110	ND	
0715BH43A	Ceramic Wall Tile Grout	Non-ACM	Room 206	ND	
0715BH43B	Ceramic Wall Tile Grout	Non-ACM	Room 110	ND	
0715BH44A	Ceramic Wall Tile Mudset	Non-ACM	Room 209	ND	
0715BH44B	Ceramic Wall Tile Mudset	Non-ACM	Room 110	ND	
0715BH45A	Tan/Brown Ceramic Floor Tile	Non-ACM	Room 206	ND	
0715BH45B	Tan/Brown Ceramic Floor Tile	Non-ACM	Room 110	ND	
0715BH46A	Blue Ceramic Floor Tile	Non-ACM	Main Lobby	ND	
0715BH46B	Blue Ceramic Floor Tile	Non-ACM	Main Lobby	ND	
0715BH47A	Ceramic Floor Tile Grout	Non-ACM	Room 110	ND	
0715BH47B	Ceramic Floor Tile Grout	Non-ACM	Room 206	ND	
0715BH47C	Ceramic Floor Tile Grout	Non-ACM	Main Lobby	ND	
0715BH48A	Ceramic Floor Tile Grout	Non-ACM	Room 206	ND	
0715BH48B	Ceramic Floor Tile Grout	Non-ACM	Room 110	ND	
0715BH48C	Ceramic Floor Tile Grout	Non-ACM	Main Lobby	ND	
0715BH49A	Blue Ceramic Cove Base	Non-ACM	Main Lobby	ND	
0715BH49B	Blue Ceramic Cove Base	Non-ACM	Main Lobby	ND	
0715BH50A	Tan Ceramic Block Wall	Non-ACM	Stairwell 1	ND	
0715BH50B	Tan Ceramic Block Wall	Non-ACM	Stairwell 2	ND	
0715BH51A	Tan Ceramic Block Wall Grout	Non-ACM	Stairwell 1	ND	
0715BH51B	Tan Ceramic Block Wall Grout	Non-ACM	Stairwell 2	ND	
0715BH52A	Yellow Ceramic Block Wall	Non-ACM	Room 160	ND	
0715BH52B	Yellow Ceramic Block Wall	Non-ACM	Room 157	ND	
0715BH53A	Yellow Ceramic Block Wall Grout	Non-ACM	Room 160	ND	
0715BH53B	Yellow Ceramic Block Wall Grout	Non-ACM	Room 157	ND	
0715BH54A	Black Cove Base	Non-ACM	Gymnasium	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH54B	Black Cove Base	Non-ACM	Room 224	ND	
0715BH55A	Brown Cove Base Glue	Non-ACM	Room 205	ND/< 0.36%	Yes
0715BH55B	Brown Cove Base Glue	Non-ACM	Room 103	ND	
0715BH56A	Gray Pressed Board Cove Base	Non-ACM	Room 209	ND	
0715BH56B	Gray Pressed Board Cove Base	Non-ACM	Room 209	ND	
0715BH57A	Black Glue on Pressed Board Cove Base	Non-ACM	Room 209	ND/ND	Yes
0715BH57B	Black Glue on Pressed Board Cove Base	Non-ACM	Room 209	ND	
0715BH58A	Gray 9" x 9" Floor Tile	Cat 1 NF	Room 154	6% Chrysotile	
0715BH58B	Tan 9" x 9" Floor Tile	Cat 1 NF	Room 224	NA/PS	
0715BH58C	Tan with White & Brown Streaks 9" x 9" Floor Tile	Cat 1 NF	Gymnasium	NA/PS	
0715BH58D	White 9" x 9" Floor Tile	Cat 1 NF	Room 155	NA/PS	
0715BH58E	Brown 9" x 9" Floor Tile	Cat 1 NF	Room 241	NA/PS	
0715BH59A	Remnant Black Floor Tile Mastic	Cat 1 NF	Room 205	5% Chrysotile	
0715BH59B	Black Floor Tile Mastic	Cat 1 NF	Room 154	NA/PS	
0715BH59C	Black Floor Mastic	Cat 1 NF	Room 224	NA/PS	
0715BH59D	Black Floor Mastic	Cat 1 NF	Room 155	NA/PS	
0715BH59E	Black Floor Mastic	Cat 1 NF	Room 241	NA/PS	
0715BH60A	White 12" x 12" Floor Tile	Cat 1 NF	Room Left of Stage	3% Chrysotile	
0715BH60B	White 12" x 12" Floor Tile	Cat 1 NF	Room Left of Stage	NA/PS	
0715BH61A	Blue with White & Gray Steak 12" x 12" Floor Tile	Non-ACM	Auditorium	ND/ND	Yes
0715BH61B	Blue with White & Gray Steak 12" x 12" Floor Tile	Non-ACM	Auditorium	ND	
0715BH62A	Yellow Floor Tile Glue	Non-ACM	Auditorium	ND/< 0.1% Chrysotile	Yes
0715BH62B	Yellow Floor Tile Glue	Non-ACM	Auditorium	ND	
0715BH63A	Brown Concrete Floor	Non-ACM	Gymnasium	ND	
0715BH63B	Brown Concrete Floor	Non-ACM	Gymnasium	ND	
0715BH64A	Concrete Block	Non-ACM	Room 154	ND	
0715BH64B	Concrete Block	Non-ACM	Room 201	ND	
0715BH65A	Concrete Block Grout	Non-ACM	Room 154	ND	
0715BH65B	Concrete Block Grout	Non-ACM	Room 201	ND	
0715BH66A	Interior Brick	Non-ACM	Main Lobby	ND	
0715BH66B	Interior Brick	Non-ACM	Main Lobby	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH67A	Interior Brick Grout	Non-ACM	Main Lobby	ND	
0715BH67B	Interior Brick Grout	Non-ACM	Main Lobby	ND	
0715BH68A	Exterior Brick	Non-ACM	Building Exterior	ND	
0715BH68B	Exterior Brick	Non-ACM	Building Exterior	ND	
0715BH69A	Exterior Brick Grout	Non-ACM	Building Exterior	ND	
0715BH69B	Exterior Brick Grout	Non-ACM	Building Exterior	ND	
0715BH70A	Gray Exterior Window Caulking Compound	Cat 2 NF	Main Building–Exterior Window Systems	6% Chrysotile	
0715BH70B	Gray Exterior Window Caulking Compound	Cat 2 NF	Main Building–Exterior Window Systems	NA/PS	
0715BH70C	Gray Exterior Window Caulking Compound	Cat 2 NF	Main Building–Exterior Window Systems	NA/PS	
0715BH71A	Gray Exterior Window Caulking Compound	Cat 2 NF	Gymnasium–Exterior Window Systems	8% Chrysotile	
0715BH71B	Gray Exterior Window Caulking Compound	Cat 2 NF	Gymnasium–Exterior Window Systems	NA/PS	
0715BH72A	Gray Exterior Window Glazing Compound	Cat 2 NF	Gymnasium–Exterior Window Systems	2% Chrysotile	
0715BH72B	Gray Exterior Window Glazing Compound	Cat 2 NF	Gymnasium–Exterior Window Systems	NA/PS	
0715BH73A	Gray Exterior Vent Caulking Compound	Cat 2 NF	Exterior of Building	6% Chrysotile	
0715BH73B	Gray Exterior Vent Caulking Compound	Cat 2 NF	Exterior of Building	NA/PS	
0715BH74A	Top Layer Asphalt Shingle	Non-ACM	Main Roof (Pitched)	ND/ND	Yes
0715BH74B	Bottom Layer Asphalt Shingle	Non-ACM	Main Roof (Pitched)	ND	
0715BH75A	Base Sheet	Non-ACM	Main Roof (Pitched)	ND/ND	Yes
0715BH75B	Base Sheet	Non-ACM	Main Roof (Pitched)	ND	
0715BH76A	Gray Roof Caulking Compound	Non-ACM	Main Roof (Pitched)	ND/0.73% Chrysotile	Yes
0715BH76B	Gray Roof Caulking Compound	Non-ACM	Main Roof (Pitched)	ND	
0715BH77A	Black Roof Tar	Cat 1 NF	Main Roof (Pitched)	6% Chrysotile	
0715BH77B	Black Roof Tar	Cat 1 NF	Main Roof (Pitched)	NA/PS	
0715BH78A	Layered Asphalt Sheet Roofing	Non-ACM	Gymnasium Roof	ND/ND	Yes
0715BH78B	Layered Asphalt Sheet Roofing	Non-ACM	Gymnasium Roof	ND	
0715BH79A	Base Sheet	Non-ACM	Gymnasium Roof	ND/ND	Yes

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
0715BH79B	Base Sheet	Non-ACM	Gymnasium Roof	ND	
0715BH80A	White Block Deck	Non-ACM	Gymnasium Roof	ND	
0715BH80B	White Block Deck	Non-ACM	Gymnasium Roof	ND	
0715BH81A	Black Perimeter Flashing	Non-ACM	Gymnasium Roof	ND/ND	Yes
0715BH81B	Black Perimeter Flashing	Non-ACM	Gymnasium Roof	ND	
0715BH82A	Top Black Tar Pitch	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND/ND	Yes
0715BH82B	Top Black Tar Pitch	Non-ACM	Lower Flat Roof (Southeast to gym)	ND	
0715BH83A	Black Built-up Roofing	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND/ND	Yes
0715BH83B	Black Built-up Roofing	Non-ACM	Lower Flat Roof (Southeast to gym)	ND	
0715BH84A	Brown Board Insulation	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND	
0715BH84B	Brown Board Insulation	Non-ACM	Lower Flat Roof (Southeast to gym)	ND	
0715BH85A	Yellow Iso-Board Insulation	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND	
0715BH85B	Yellow Iso-Board Insulation	Non-ACM	Lower Flat Roof (Southeast to gym)	ND	
0715BH86A	Black Base Tar	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND/ND	Yes
0715BH86B	Black Base Tar	Non-ACM	Lower Flat Roof (Southeast to gym)	ND	
0715BH87A	Perimeter Flashing	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND/ND	Yes
0715BH87B	Perimeter Flashing	Non-ACM	Lower Flat Roof (Southeast to gym)	ND	
0715BH88A	Black Tar on Fan Unit Footings	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND/ND	Yes
0715BH88B	Black Tar on Fan Unit Footings	Non-ACM	Secondary Flat Roof (Southeast to main roof)	ND	
0717BH01A	Black Tar/Paper between Brick & Foundation	Cat 1 NF	Building Exterior	3% Chrysotile	
0717BH01B	Black Tar/Paper between Brick & Foundation	Cat 1 NF	Building Exterior	NA/PS	
1119TC01	Gray Mudded Pipe Fitting Insulation	Friable	Basement Room B-10	25% Chrysotile	
1119TC02A	White Pre-Formed Pipe Insulation	Friable	Basement Room B-10	12% Chrysotile	
1119TC02B	White Pre-Formed Pipe Insulation	Friable	Basement Room B-10	NA/PS	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
1119TC02C	White Pre-Formed Pipe Insulation	Friable	Basement Room B-10	NA/PS	
1119TC03A	White Cloth Pipe Wrapping	Friable	Basement Room B-10	5% Chrysotile	
1119TC03B	White Cloth Pipe Wrapping	Friable	Basement Room B-10	NA/PS	
1119TC04A	Gray/Black Vibration Cloth	Non-ACM	Basement Room B-10	ND	
1119TC04B	Gray/Black Vibration Cloth	Non-ACM	Basement Room B-1	ND	
1119TC05A	Yellow Kiln Insulation	Non-ACM	Basement Room B1A	ND	
1119TC05B	Yellow Kiln Insulation	Non-ACM	Basement Room B1A	ND	
1119TC05C	Yellow Kiln Insulation	Non-ACM	Basement Room B1A	ND	
1119TC06A	Tan Kiln Lining	Friable	Basement Room B1A	14% Chrysotile	
1119TC06B	Tan Kiln Lining	Friable	Basement Room B1A	NA/PS	
1119TC06C	Tan Kiln Lining	Friable	Basement Room B1A	NA/PS	
1119TC07A	Gray Boiler Packing Insulation	Non-ACM	Boiler Room – Boiler 1	ND	
1119TC07B	Gray Boiler Packing Insulation	Non-ACM	Boiler Room – Boiler 1	ND	
1119TC07C	Gray Boiler Packing Insulation	Non-ACM	Boiler Room – Boiler 2	ND	
1119TC08A	White Cloth Covering	Non-ACM	Boiler Room – Boiler 1	ND	
1119TC08B	White Cloth Covering	Non-ACM	Boiler Room – Boiler 2	ND	
1119TC09A	White End Cap On Fiberglass Pipe Insulation	Non-ACM	Basement Room B1A	ND	
1119TC09B	White End Cap On Fiberglass Pipe Insulation	Non-ACM	Basement Room B1A	ND	
1119TC09C	White End Cap On Fiberglass Pipe Insulation	Non-ACM	Basement Room B-8	ND	
1119TC10A	Silver/Tan Paper Backing on Fiberglass Duct Insulation	Non-ACM	Basement Room B-1	ND	
1119TC10B	Silver/Tan Fiberglass Paper Backing on Duct Insulation	Non-ACM	Basement Room B-1	ND	
1119TC11A	Silver/Tan Paper Backing on Fiberglass Pipe Insulation	Non-ACM	Basement Room B-1	ND	
1119TC11B	Silver/Tan Paper Backing Fiberglass on Pipe Insulation	Non-ACM	Basement Room B-1	ND	
1119TC12A	Gray Ceiling Plaster Base Coat	Non-ACM	Basement Room B-10	ND	
1119TC12B	Gray Ceiling Plaster Base Coat	Non-ACM	Basement Room Corridor at B-1	ND	
1119TC13A	White Ceiling Plaster Skim Coat	Non-ACM	Basement Room B-10	ND	
1119TC13B	White Ceiling Plaster Skim Coat	Non-ACM	Basement Room Corridor at B-1	ND	
1119TC15A	Tan Sheet Rock	Non-ACM	Basement Room B-15	ND	
1119TC15B	Tan Sheet Rock	Non-ACM	Basement Corridor at B-15	ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
1119TC16A	Tan 1' x 1' Glue-Set Ceiling Tile	Non-ACM	Basement Room B-1	ND	
1119TC16B	Tan 1' x 1' Glue-Set Ceiling Tile	Non-ACM	Basement Room B-15	ND	
1119TC17A	Dark Brown 1' x 1' Ceiling Tile Glue Daub	Non-ACM	Basement Room B-1	ND/ND	
1119TC17B	Dark brown 1' x 1' Ceiling Tile Glue Daub	Non-ACM	Basement Room B-15	ND	
1119TC18A	Green Ceramic Wall Tile	Non-ACM	B-5 Men's Bathroom	ND	
1119TC18B	Tan Ceramic Wall Tile	Non-ACM	B-5 Women's Bathroom	ND	
1119TC19A	White Wall Tile Thin-Set	Non-ACM	B-5 Men's Bathroom	ND	
1119TC19B	White Wall Tile Thin-Set	Non-ACM	B-5 Women's Bathroom	ND	
1119TC20A	White Ceramic Wall Tile Grout	Non-ACM	B-5 Men's Bathroom	ND	
1119TC20B	White Ceramic Wall Tile Grout	Non-ACM	B-5 Women's Bathroom	ND	
1119TC21A	Dark Brown Phone Booth Peg Board	Non-ACM	B-1 Phone Booth	ND	
1119TC21B	Dark Brown Phone Booth Peg Board	Non-ACM	B-1 Phone Booth	ND	
1119TC24A	Gray Concrete Foundation	Non-ACM	Basement Room B1A	ND	
1119TC24B	Gray Concrete Foundation	Non-ACM	Basement Room B1A	ND	
1119TC25A	Gray Concrete Block	Non-ACM	Basement Room B-3	ND	
1119TC25B	Gray Concrete Block	Non-ACM	Basement Room B-3	ND	
1119TC26A	Concrete Block Gray Grout	Non-ACM	Basement Room B-3	ND	
1119TC26B	Concrete Block Gray Grout	Non-ACM	Basement Room B-3	ND	
1119TC27A	Black Ball Return Backing Material	Non-ACM	Basement Room B-15	ND	
1119TC27B	Black Ball Return Backing Material	Non-ACM	Basement Room B-15	ND	
1119TC28A	Black Back Stop Material	Non-ACM	Basement Room B-1	ND	
1119TC28B	Black Back Stop Material	Non-ACM	Basement Room B-1	ND	
1119TC29A	White Counter Top Laminate	Non-ACM	Basement Room B-1	ND/ND	
1119TC29B	White Counter Top Laminate	Non-ACM	Basement Room B-1	ND	
1119TC30A	Brown/White Ceramic Insulator	Non-ACM	Basement Room B-9	ND	
1119TC30B	Brown/White Ceramic Insulator	Non-ACM	Basement Room B-9	ND	
1119TC31A	Black Bake-Lite Breaker	Cat 2 NF	Basement Room B-9	20% Chrysotile	
1119TC31B	Black Bake-Lite Breaker	Cat 2 NF	Basement Room B-9	NA/PS	
1119TC32A	White Putty/Caulking on Electric Wire Condenser	Non-ACM	Basement Room B-9	ND/ND	

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content	EPA TEM NOB
1119TC32B	White Putty/Caulking on Electric Wire Condenser	Non-ACM	Basement Room B-9	ND	
1119TC33A	Interior Door Window Glazing Compound	Non-ACM	Basement Room B-9	ND/ND	
1119TC33B	Interior Door Window Glazing Compound	Non-ACM	Basement Room B-9	ND	
1119TC34A	Light Gray 9" x 9" Floor Tile	Cat 1 NF	Basement Room B-13	3% Chrysotile	
1119TC34B	Light Gray 9" x 9" Floor Tile	Cat 1 NF	Basement Room B-13	NA/PS	
1119TC35A	Brown 9" x 9" Floor Tile	Cat 1 NF	Basement Room B-15	4% Chrysotile	
1119TC35B	Brown 9" x 9" Floor Tile	Cat 1 NF	Basement Room B-15	NA/PS	
1119TC36A	Black 12" x 12" Floor Tile	Non-ACM	Basement Room B-1	ND/ND	
1119TC36B	Black 12" x 12" Floor Tile	Non-ACM	Basement Room B-1	ND	
1119TC37A	Light Gray 12" x 12" Floor Tile	Non-ACM	Basement Room B-1	ND/ND	
1119TC37B	Light Gray 12" x 12" Floor Tile	Non-ACM	Basement Room B-15	ND	
1119TC38A	Black Floor Tile Mastic	Non-ACM	Basement Room B-13	ND/ND	
1119TC38B	Black Floor Tile Mastic	Cat 1 NF	Basement Room B-1	10% Chrysotile	
1119TC38C	Black Floor Tile Mastic	Cat 1 NF	Basement Room B-15	NA/PS	
1119TC39A	Coping Stone Seam Caulking Compound	Cat 2 NF	Flat Exterior Roof Adjacent to Gymnasium	4% Chrysotile	
1119TC39B	Coping Stone Seam Caulking Compound	Cat 2 NF	Flat Exterior Roof Adjacent to Gymnasium	NA/PS	
1119TC39C	Coping Stone Seam Caulking Compound	Cat 2 NF	Flat Exterior Roof Adjacent to Gymnasium	NA/PS	

Cat 1 NF=Category I Non-Friable Material

Cat 2 NF=Category II Non-Friable Material

ND=None Detected

NA/PS = Not Analyzed/Positive Stop

OD = Outside Diameter

Table 2
Summary of Asbestos-Containing Materials
Plymouth Hall
Fairfield Hills Campus
Newtown, Connecticut

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Gray Mudded Pipe Fitting Insulation	Throughout	18% – 25% Chrysotile	2,500 SF	Accessible and Inaccessible Locations
White Pre-Formed Pipe Insulation & Cloth Pipe Wrap	Basement Room B-10	5% – 12% Chrysotile		
Tan Kiln Lining (Top)	Rooms B1A and Room 228	14% Chrysotile	10 SF	Material is Located inside Top Lid
Silver Paper Backing on Single Bulb Light Fixture	Room 133	18% Chrysotile	1 EA	
1' x 1' Glue-Set Wall Tile	Auditorium & Room 223	2% Amosite; < 1% Chrysotile	9,000 SF	
Light Gray Cementitious Countertop	Room 228	20% Chrysotile	6 EA	
Black Cementitious Bake-Lite Breaker Panel	Basement Room B-9 (Generator Room)	20% Chrysotile	1 EA	
Black Sink Undercoating	Rooms 231, 205, 141, 101, 160, & 142	4% Chrysotile	10 EA	
White Putty/Caulking Compounds on Drinking Fountain Wiring	Rooms 104, 142, 141, 235, 228, 231, & Gymnasium	8% Chrysotile	7 EA	
Floor Tile (Various Sizes & Colors) & Black Floor Mastic	Left of Stage to Tunnel, Gymnasium, Rooms B-1, B-13, B-15, 101, 103, 142, 147, 152 - 155, 159, 201, & 224	3% - 6% Chrysotile	13,000 SF	Multiple Colors
Interior & Exterior Window Glazing & Caulking Compounds (Multiple Colors)	Exterior Window Systems	2% – 8% Chrysotile	150 EA	
Gray Exterior Vent Caulking Compound	Building Exterior	6% Chrysotile	4 EA	
Black Tar/Paper behind Concrete Window Sill	Exterior Window Systems	7% Chrysotile	450 SF	
Gray Exterior Roof Coping Stone Seam Caulking Compound	Flat Roof Systems and Peak Edges on Main Pitched Roof	4% Chrysotile	1,000 LF	Located under Metal Seam Strips. Material Contains lead and PCBs < 50 ppm

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Black Tar/Paper between Brick and Concrete Foundation	Building Exterior	3% Chrysotile	1,000 SF	
Black Roof Tar under Shingle	Main Building Roof System	6% Chrysotile	20,000 SF	

EA = Each

SF = Square Feet

LF = Linear Feet

Table 3
Summary of PCB-Containing Materials Data

Sample ID Number	Sample Location	Source Material Type and Color	PCB Content (ppm)	Aroclor (Soxhlet)
1201BH-EWC-01A	Gymnasium Exterior Window Systems	Gray Exterior Window Caulking	ND < 0.77	
1201BH-EWC-01B	Gymnasium Exterior Window Systems	Gray Exterior Window Caulking	ND < 0.80	
1201BH-EWC-01C	Gymnasium Exterior Window Systems	Gray Exterior Window Caulking	ND < 0.70	
1201BH-EWG-01A	Gymnasium Exterior Window Systems	Gray Exterior Window Glazing	ND < 0.76	
1201BH-EWG-01B	Gymnasium Exterior Window Systems	Gray Exterior Window Glazing	ND < 0.75	
1201BH-EWG-01C	Gymnasium Exterior Window Systems	Gray Exterior Window Glazing	ND < 0.71	
1201BH-IWG/EWG-01A	Main Building Exterior Window Systems	Gray Interior/Exterior Window Glazing	ND < 0.77	
1201BH-IWG/EWG-01B	Main Building Exterior Window Systems	Gray Interior/Exterior Window Glazing	ND < 0.71	
1201BH-IWG/EWG-01C	Main Building Exterior Window Systems	Gray Interior/Exterior Window Glazing	ND < 0.74	
1201BH-EWC-02A	Main Building Exterior Window Systems	Gray Exterior Window Caulking	ND < 0.75	
1201BH-EWC-02B	Main Building Exterior Window Systems	Gray Exterior Window Caulking	ND < 0.69	
1201BH-EWC-02C	Main Building Exterior Window Systems	Gray Exterior Window Caulking	ND < 0.73	
1201BH-IDWG/EDWG-01A	Exterior Basement Door System	Gray Interior/Exterior Door Window Glazing	ND < 0.75	
1201BH-IDWG/EDWG-01B	Exterior Basement Door System	Gray Interior/Exterior Door Window Glazing	ND < 0.69	

Sample ID Number	Sample Location	Source Material Type and Color	PCB Content (ppm)	Aroclor (Soxhlet)
1201BH-EVC-01A	Exterior Vent Systems	Gray Exterior Vent Caulking	ND < 0.74	
1201BH-EVC-01B	Exterior Vent Systems	Gray Exterior Vent Caulking	ND < 0.74	
1201BH-EVC-01C	Exterior Vent Systems	Gray Exterior Vent Caulking	ND < 0.74	
1201BH-CS-Caulk-01A	Coping Stone at Flat Roof Systems	Gray Exterior Roof Coping Stone Seam Caulking	ND < 0.70	
1201BH-CS-Caulk-01B	Coping Stone at Flat Roof Systems	Gray Exterior Roof Coping Stone Seam Caulking	0.88	1254
1201BH-CS-Caulk-01C	Coping Stone at Flat Roof Systems	Gray Exterior Roof Coping Stone Seam Caulking	1.9	1254

Bold = Regulated by CTDEEP

ND < = None Detected/Less Than Reporting Limit

Table 4
Summary of PCB Containing Materials
Plymouth Hall
Newtown, Connecticut

Material Type	Homogeneous Location(s)	PCB Content (ppm)	Estimated Total Quantity	Substrate(s)	Comments
Gray Exterior Coping Stone Seam Caulking Compound	Flat Roof Systems & Peak Edges on Main Pitched Roof	0.88 – 1.9 ppm	978 LF	Concrete	Located under Metal Seam Strips. Material Contains Asbestos

LF = Linear Feet

Bold = Regulated by CTDEEP

Table 5
Summary of PCB-Containing Adjacent Surface Materials Data
Plymouth Hall
Milford, Connecticut

Sample ID Number	Sample Location	Adjacent Material Type & Depth/Distance	Source Material Type & Color	PCB Content (ppm)
20151210-CSC-AS-CONCRETE-01	Flat Roof at Gymnasium	Concrete/0.5"/1"	Gray Exterior Coping Stone Seam Caulking	ND < 0.093

ND < = None Detected below Reporting Limit

Table 6
Summary of PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building
Wastes
Plymouth Hall
Fairfield Hills Campus
Newtown, Connecticut

Waste Type	2nd Floor	1st Floor	Basement	Exterior	Total
Smoke Detectors					0
Oil-Filled Door Closer	34	55	16		105
Emergency Lighting Back-Up Battery		7	1		8
Rooftop Air Conditioner Unit				1 Unit (~ 2 Tons)	1 Unit (~ 2 Tons)
Window Air Conditioner		2	1		3
Water Bubbler Unit	4	4			8
Emergency Exit Signs	3	27	7		37
Fluorescent Light Ballasts	155	130	44		329
4-Foot Fluorescent Light Bulbs	310	260	88		658
Circline Fluorescent Light Ballasts	16	23	2		41
Circline Fluorescent Light Bulbs	22	23	10		55
Pipe Thermometers	3				3
Mercury Switches in Wall Boxes	12				12
Fire Alarm Call Box Switches	1	7	2		0
Compact Fluorescent Bulbs	32	37			69
Mercury Thermostats	2	7			9
Mercury Relay Switches			6		6
Music Blending Unit		1 Unit ~ 400 lbs.			1 Unit ~ 400 lbs.
Slushpuppie Machine			1		1
Air Compressor with Oil Reservoir			1 Qt.		1 Qt.
Elevator Hydraulic Oil Tank			~75-100 Gallons		~75-100 Gallons
Pipe Thermometers			2		2
Beverage Unit Refrigerator			1		1
Bab-O-Cleanser	7 lbs..				1
Chemical Cold Packs with Ammonium Nitrate	3 lbs.				1
Assorted Aerosol Cans	3 -16 Oz.	1-14 Oz.	1-16 Oz.		6-14 Oz.
Sudsy Ammonia	1 Qt.				1 Qt.
Formula 409 Detergent	1 Qt.				1 Qt.
Murphy's Oil Soap	1 Qt.				1 Qt.

Waste Type	2nd Floor	1st Floor	Basement	Exterior	Total
Pine-Sol Cleaner	1 Qt.				1 Qt.
Bon Ami Cleanser	1 Qt.				1 Qt.
True Test All-Purpose Cleaner	1 Qt.				1 Qt.
Alkali Detergent Solution	1 Qt.				1 Qt.
Soluble Printing Ink	2 Oz.				2 Oz.
Aramaco Electric Kiln	2		1		3
Oil Saturated Speedi-Dri & Rags			~55 Gallons		~55 Gallons
Stannic Oxide	5 lbs.				5 lbs.
Oxide Powders	30 lbs.				30 lbs.
Brite-Glow Cleanser with Bleach		2 lbs.			2 lbs.
HID/Sodium Vapor Bulbs		36			36
Stoney Electric Eectifier Units	2				2

Appendix A

Limitations

APPENDIX A - LIMITATIONS

**Plymouth Hall
Simpson Street
Newtown, Connecticut**

1. This environmental report has been prepared for the exclusive use of The Town of Newtown (the "Client"), and is subject to, and is issued in connection with the General Terms and Conditions of the original Agreement and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill EnviroScience, LLC (EnviroScience) shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
2. EnviroScience has obtained and relied upon information from multiple sources to form certain conclusions regarding likely environmental issues at and in the vicinity of the subject property in conducting this inspection. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information or verify compliance by any party with federal, state or local laws or regulations.
3. EnviroScience has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM, LBP, and PCBs that must be managed prior to renovation and/or demolition activities that may disturb these materials at the subject property. EnviroScience has not performed an independent review of the reliability of this laboratory data.
4. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surface that were not included in the scope of work of this inspection. EnviroScience cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this limited inspection.
5. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our verbal agreement and revised written agreement May 5, 2015 which reflects schedule and budgetary constraints imposed by the Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
6. The conclusions presented in this report are based solely upon information gathered by EnviroScience to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to EnviroScience's attention. Based upon an evaluation and assessment of relevant information, EnviroScience may modify the letter report and its conclusions.

Appendix B

EnviroScience Asbestos Inspector State Licenses and EPA Accreditations

1001144 01 AV 0.378 **AUTQ 16 1 0364 06040 599246 (C0) P01147 1



JOHN R. HOBBS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992

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
opl.c.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147894	000700	01/31/16
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 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.

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 01/31/16
	VALIDATION NO. 03-147894
 SIGNATURE	 COMMISSIONER

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147894	000700	01/31/16
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 SIGNATURE	 COMMISSIONER	

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

John Robert Hobbins

XXX-XX-6853

has successfully completed the
4 Hr. Asbestos Inspector Refresher
Asbestos Accreditation under TSCA Title II
40 CFR Part 763



John Rowinski, Principal Instructor



Robert L. May, Jr., Training Manager

September 3, 2014

Date of Course

AI-R-09/14-6

Certificate Number

September 3, 2015

Examination Date

September 3, 2015

Expiration Date

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

QuES&T

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 11 AND RECEIVED THIS CERTIFICATE BY:



KENNETH C. ECK
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: 09/16/2015

CERTIFICATE NUMBER: 738120

EXPIRATION DATE 09/16/2016

1001143 01 AV 0.378 **AULC 16 1 0564 06040 599246 C01 P01146-1



JOHN R. HOBBINS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992



Dear JOHN R. HOBBINS,

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
opl.c.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME JOHN R. HOBBINS		
VALIDATION NO. 03-147893	CERTIFICATE NO. 002156	CURRENT THROUGH 01/31/16
PROFESSION LEAD INSPECTOR		
 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.

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 LEAD INSPECTOR	
JOHN R. HOBBINS	CERTIFICATE NO. 002156
	CURRENT THROUGH 01/31/16
	VALIDATION NO. 03-147893
 SIGNATURE	 COMMISSIONER

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME JOHN R. HOBBINS		
VALIDATION NO. 03-147893	CERTIFICATE NO. 002156	CURRENT THROUGH 01/31/16
PROFESSION LEAD INSPECTOR		
 SIGNATURE	 COMMISSIONER	

Certificate of Training

This program was presented at
Fuss & O'Neill Enviro Science in.
Manchester, CT with the prior
approval of the CTDPH.

Awarded to

JOHN ROBERT HOBBS

146 HARTFORD ROAD, MANCHESTER, CT 06040

*has successfully completed a 7 hour, 1 day
Lead Inspector Refresher Training*

February 11 & 19, 2015

This training course was approved and given in accordance with the
Department of Health Standards established pursuant to
Section 20-477 of the Connecticut General Statutes

Presented by

Mystic Air Quality Consultants, Inc.

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

Certificate Number: LITR23753

Exam Grade: 100

Expiration Date: 02/19/2016

Exam Date: 02/19/2015

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

George Williamson
George Williamson, Training Director

Richard Haffey, Training Director

1001095 01 AV 0.388 **AUTO** T6 1 0564 06040-599246 -C01-P01098-I



JOHN R. HOBBS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992

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, ACTING COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
JOHN R. HOBBS		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-372678	002156	01/31/17
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE	 ACTING 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
LEAD INSPECTOR

JOHN R. HOBBS

CERTIFICATE NO.
002156
CURRENT THROUGH
01/31/17
VALIDATION NO.
03-372678

SIGNATURE
ACTING 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.	CERTIFICATE NO.	CURRENT THROUGH
03-372678	002156	01/31/17
PROFESSION		
LEAD INSPECTOR		
 SIGNATURE	 ACTING COMMISSIONER	

Certificate of Training

This program was presented at
Fuss & O'Neill Enviro Science in.
Manchester, CT with the prior
approval of the CTDPH.

Awarded to

JOHN ROBERT HOBBS

146 HARTFORD ROAD, MANCHESTER, CT 06040

has successfully completed a 7 hour, 1 day

Lead Inspector Refresher Training

February 16 & 18, 2016

This training course was approved and given in accordance with the
Department of Health Standards established pursuant to
Section 20-477 of the Connecticut General Statutes

Presented by

Mystic Air Quality Consultants, Inc.

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

Certificate Number: LITR24774

Exam Grade: 97

Expiration Date: 02/18/2017

Exam Date: 02/18/2016

Christopher J. Eident

Christopher J. Eident, CIH, CSP, RS

Richard Haffey

George Williamson, Training Director

Richard Haffey, Training Director

1001308 01 AV 0.378 **AUTO** T6 2 1564 06040-599246 C01 P01311 F



THOMAS M. CRUESS
146 HARTFORD RD
MANCHESTER CT 06040-5992

Dear THOMAS M. CRUESS,

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,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME THOMAS M. CRUESS		
VALIDATION NO. 03-119408	CERTIFICATE NO. 000210	CURRENT THROUGH 11/30/15
PROFESSION ASBESTOS CONSULTANT-INSPECTOR		
SIGNATURE 		COMMISSIONER Jewel Mullen, MD

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	
THOMAS M. CRUESS	CERTIFICATE NO. 000210
	CURRENT THROUGH 11/30/15
	VALIDATION NO. 03-119408
SIGNATURE 	COMMISSIONER Jewel Mullen, MD

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/verification 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 THOMAS M. CRUESS		
VALIDATION NO. 03-119408	CERTIFICATE NO. 000210	CURRENT THROUGH 11/30/15
PROFESSION ASBESTOS CONSULTANT-INSPECTOR		
SIGNATURE 	COMMISSIONER Jewel Mullen, MD	

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

Thomas Cruess

XXX-XX-8566

has successfully completed the
4 Hr. Asbestos Inspector Refresher
Asbestos Accreditation under TSCA Title II
40 CFR Part 763



John Rowinski, Principal Instructor



Robert L. May, Jr., Training Manager

September 3, 2014

Date of Course

AI-R-09/14-5

Certificate Number

September 3, 2015

Examination Date

September 3, 2015

Expiration Date

Certificate of Training

Awarded to

THOMAS M. CRUESS

For successful completion of a 4 Hour, 1/2 Day

**Asbestos Building Inspector
Annual Refresher Training**

September 2, 2015

This training was approved and given in accordance with the
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: ABIRP24322

Exam Grade: 100

Expiration Date: 09/02/2016

Exam Date: 09/02/2015

Christopher J. Eident

Christopher J. Eident, CH, CSP, RS

Richard Haffey

George Williamson, Training Director

Richard Haffey, Training Director

Dear SANDRA L GUZMAN,

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 SANDRA L GUZMAN		
VALIDATION NO 03-531459	CERTIFICATE NO 002210	CURRENT THROUGH 08/31/17
PROFESSION LEAD INSPECTOR		
 SIGNATURE		 COMMISSIONER

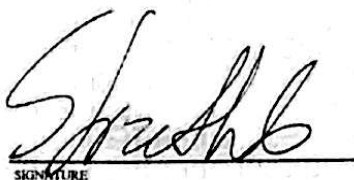
**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH**

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR



SANDRA L GUZMAN

CERTIFICATE NO
002210
CURRENT THROUGH
08/31/17
VALIDATION NO
03-531459


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 SANDRA L GUZMAN		
VALIDATION NO 03-531459	CERTIFICATE NO 002210	CURRENT THROUGH 08/31/17
PROFESSION LEAD INSPECTOR		
 SIGNATURE		 COMMISSIONER

Certificate of Training

This program was presented at
Fuss & O'Neill Enviro Science in,
Manchester, CT with the prior
approval of the CTDPH.

Awarded to

SANDRA GUZMAN

146 HARTFORD ROAD, MANCHESTER, CT 06040

has successfully completed a 7 hour, 1 day

Lead Inspector Refresher Training

February 16 & 18, 2016

This training course was approved and given in accordance with the
Department of Health Standards established pursuant to
Section 20-477 of the Connecticut General Statutes

Presented by

Mystic Air Quality Consultants, Inc.

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

Certificate Number: LITR24772

Exam Grade: 97

Expiration Date: 02/18/2017

Exam Date: 02/18/2016

Christopher J. Eident

Christopher J. Eident, CIH, CSP, RS

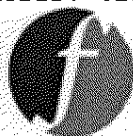
Richard Haffey

George Williamson, Training Director

Richard Haffey, Training Director

Appendix C

Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms


FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH01A	Room 239	Gray Mudded Pipe Fitting Insulation (6" dia.)
0715BH01B	Room 239	Gray Mudded Pipe Fitting Insulation (2" dia.)
0715BH01C	Room 164	Gray Mudded Pipe Fitting Insulation (2" dia.)
0715BH01D	Room 122	Gray Mudded Pipe Fitting Insulation (2" dia.)
0715BH02A	Attic	Silver Paper Backing on Fiberglass Pipe Insulation
0715BH02B	Room 206	Silver Paper Backing on Fiberglass Pipe Insulation
0715BH03A	Attic	Gray HVAC Flex Connector
0715BH03B	Auditorium Catwalk	Gray HVAC Flex Connector
0715BH04A	Room 133	Silver Paper Backing on Single Bulb Light Fixture
0715BH04B	Room 133	Silver Paper Backing on Single Bulb Light Fixture
0715BH05A	Attic	Brown Spray-on Insulation
0715BH05B	Attic	Brown Spray-on Insulation
0715BH05C	Attic	Brown Spray-on Insulation
0715BH05D	Attic	Brown Spray-on Insulation
0715BH05E	Attic	Brown Spray-on Insulation

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

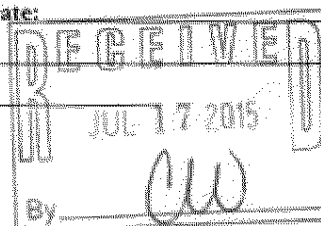
Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com

Do Not Mail Hard Copy Report. Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____Samples Received by: CW Date: _____ Time: 9:39Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of 14Project Name: EFH-Plymouth Hall Project No. 20141268.ABE Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH05F	Attic	Brown Spray-on Insulation
0715BH05G	Attic	Brown Spray-on Insulation
0715BH06A	Room 235	Gray Base Coat Ceiling Plaster
0715BH06B	Room 231	Gray Base Coat Ceiling Plaster
0715BH06C	Room 204	Gray Base Coat Ceiling Plaster
0715BH06D	Room 164	Gray Base Coat Ceiling Plaster
0715BH06E	Room 142	Gray Base Coat Ceiling Plaster
0715BH06F	Room 141	Gray Base Coat Ceiling Plaster
0715BH06G	Room 122	Gray Base Coat Ceiling Plaster
0715BH07A	Room 235	White Skim Coat Ceiling Plaster
0715BH07B	Room 231	White Skim Coat Ceiling Plaster
0715BH07C	Room 204	White Skim Coat Ceiling Plaster
0715BH07D	Room 164	White Skim Coat Ceiling Plaster
0715BH07E	Room 142	White Skim Coat Ceiling Plaster
0715BH07F	Room 141	White Skim Coat Ceiling Plaster

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com

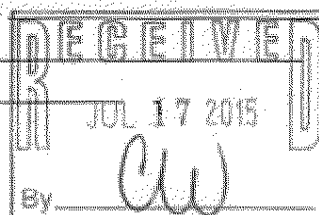
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins TSW Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins TSW Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 06661

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 3 of 14

Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015
 Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH07G	Room 122	White Skim Coat Ceiling Plaster
0715BH08A	Main Lobby	White Skim Coat Wall Plaster
0715BH08B	Main Lobby	White Skim Coat Wall Plaster
0715BH08C	Auditorium	White Skim Coat Wall Plaster
0715BH08D	Auditorium	White Skim Coat Wall Plaster
0715BH08E	Auditorium	White Skim Coat Wall Plaster
0715BH09A	Attic	White Roof Deck Block
0715BH09B	Attic	White Roof Deck Block
0715BH09C	Attic	White Roof Deck Block
0715BH10A	Room 228	Yellow Kiln Insulation
0715BH10B	Room 228	Yellow Kiln Insulation
0715BH10C	Room 228	Yellow Kiln Insulation
0715BH11A	Room 155	2'x4' Sheetrock Ceiling Tile
0715BH11B	Room 155	2'x4' Sheetrock Ceiling Tile
0715BH12A	Auditorium	2'x2' Ceiling Tile

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

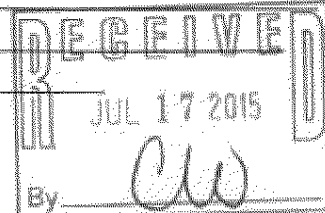
Email Results to: kmccarthy@fando.com
 FAX Results to: 888-838-1160

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

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins *BSH* Date: 7-15-15 Time: _____
 Samples Sent by: B. Hobbins *BSH* Date: 7-16-15 Time: _____
 Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____
 Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____




FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 4 of 14

Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015
 Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH12B	Auditorium	2'x2' Ceiling Tile
0715BH13A	Room 223	1'x1' Ceiling Tile
0715BH13B	Room 103	1'x1' Ceiling Tile
* 0715BH14A	Room 223	Brown Glue Daub on 1'x1' Ceiling Tile
0715BH14B	Room 103	Brown Glue Daub on 1'x1' Ceiling Tile
0715BH15A	Room 223	1'x1' Wall Tile
0715BH15B	Auditorium	1'x1' Wall Tile
* 0715BH16A	Room 223	Brown Glue Daub on 1'x1' Wall Tile
0715BH16B	Auditorium	Brown Glue Daub on 1'x1' Wall Tile
0715BH17A	Room 223	Sheetrock Ceiling Backing behind Plaster
0715BH17B	Room 103	Sheetrock Ceiling Backing behind Plaster
0715BH18A	Auditorium	Sheetrock Wall
0715BH18B	Auditorium	Sheetrock Wall
0715BH19A	Auditorium	Taping/Joint Compound
0715BH19B	Auditorium	Taping/Joint Compound

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

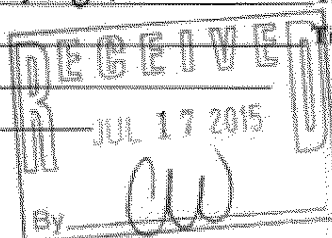
Email Results to: kmccarthy@fando.com
 FAX Results to: 888-838-1160

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

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____
 Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____
 Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____
 Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____





FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 5 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH20	Auditorium	Sheetrock & Taping/Joint Compound Composite
0715BH21A	Room 220	Dark Gray Cementitious Countertop
0715BH21B	Room 220	Dark Gray Cementitious Countertop
0715BH22A	Room 228	Light Gray Cementitious Countertop
0715BH22B	Room 228	Light Gray Cementitious Countertop
* 0715BH23A	Attic	HVAC Hatch Door Black Seam Glue
0715BH23B	Attic	HVAC Hatch Door Black Seam Glue
* 0715BH24A	Room 231	Black Sink Undercoat
0715BH24B	Room 205	Black Sink Undercoat
0715BH24C	Room 141	Black Sink Undercoat
* 0715BH25A	Room 104	White Putty Caulking on Drinking Fountain Wiring
0715BH25B	Room 104	White Putty Caulking on Drinking Fountain Wiring
* 0715BH26A	Room 204	Black Tar on Drinking Fountain Foam Wire Wrap
0715BH26B	Room 204	Black Tar on Drinking Fountain Foam Wire Wrap
* 0715BH27A	Main Lobby	White Interior Door Window Glazing Compounds

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

Email Results to: kmccarthy@fando.com

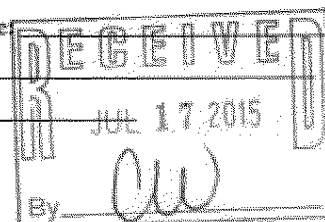
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM NOB, per group.

Samples collected by: B. Hobbins Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 6 of 14Project Name: EFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH27B	Main Lobby	White Interior Door Window Glazing Compounds
* 0715BH28A	Main Lobby	Gray Interior Window Glazing Compounds
0715BH28B	Main Lobby	Gray Interior Window Glazing Compounds
* 0715BH29A	Room 201	White Interior/Exterior Window Glazing Compounds
0715BH29B	Room 141	White Interior/Exterior Window Glazing Compounds
0715BH29C	Room 103	White Interior/Exterior Window Glazing Compounds
0715BH30A	Room 219	Green Board-Type I
0715BH30B	Room 141	Green Board-Type I
* 0715BH31A	Room 219	Black Glue on Green Board
0715BH31B	Room 141	Black Glue on Green Board
0715BH32A	Room 219	Green Board-Type II
0715BH32B	Room 141	Green Board-Type II
* 0715BH33A	Room 219	Brown Backing on Green Board-Type II
0715BH33B	Room 141	Brown Backing on Green Board-Type II
0715BH34A	Room 107	Tan Countertop/Glue

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

Email Results to: kmccarthy@fando.com

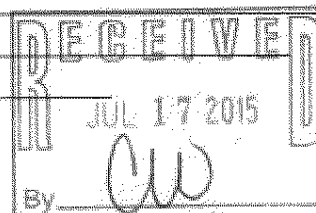
Do Not Mail Hard Copy Report Total # of Samples: _____

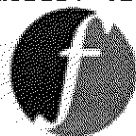
FAX Results to: 888-838-1160

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins TSW Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BSW Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
 EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 7 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH34B	Room 103	White Countertop/Glue
0715BH34C	Room 122	Pink Countertop/Glue
0715BH35A	Room 103	Gray Linoleum Countertop
0715BH35B	Room 103	Gray Linoleum Countertop
* 0715BH36A	Room 103	Yellow Glue on Gray Linoleum Countertop
0715BH36B	Room 103	Yellow Glue on Gray Linoleum Countertop
* 0715BH37A	Main Lobby	Yellow Wallpaper Glue
0715BH37B	Main Lobby	Yellow Wallpaper Glue
0715BH38A	Room 101	Brown Pressed Board behind Radiator Cover
0715BH38B	Room 101	Brown Pressed Board behind Radiator Cover
* 0715BH39A	Room 101	Brown Glue behind False Radiator Cover
0715BH39B	Room 101	Brown Glue behind False Radiator Cover
* 0715BH40A	Room 101	Black Tar/Paper behind Radiator and Window Sill
0715BH40B	Room 101	Black Tar/Paper behind Radiator and Window Sill
0715BH41A	Room 206	Tan Ceramic Wall Tile

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com

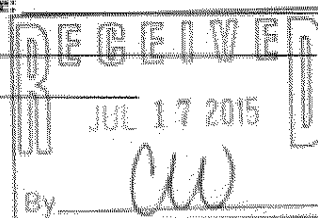
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
 EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 06661

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 8 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH41B	Room 170	Tan Ceramic Wall Tile
0715BH42A	Room 209	Green Ceramic Wall Tile
0715BH42B	Room 110	Green Ceramic Wall Tile
0715BH43A	Room 206	Ceramic Wall Tile Grout
0715BH43B	Room 110	Ceramic Wall Tile Grout
0715BH44A	Room 209	Ceramic Wall Tile Mudset
0715BH44B	Room 110	Ceramic Wall Tile Mudset
0715BH45A	Room 206	Tan/Brown Ceramic Floor Tile
0715BH45B	Room 110	Tan/Brown Ceramic Floor Tile
0715BH46A	Main Lobby	Blue Ceramic Floor Tile
0715BH46B	Main Lobby	Blue Ceramic Floor Tile
0715BH47A	Room 110	Ceramic Floor Tile Grout
0715BH47B	Room 206	Ceramic Floor Tile Grout
0715BH47C	Main Lobby	Ceramic Floor Tile Grout
0715BH48A	Room 206	Ceramic Floor Tile Grout

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

Email Results to: kmccarthy@fando.com

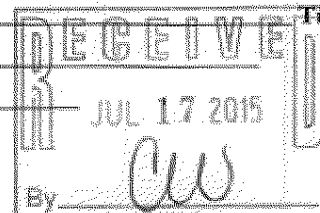
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 06661

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 9 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH48B	Room 110	Ceramic Floor Tile Grout
0715BH48C	Main Lobby	Ceramic Floor Tile Grout
0715BH49A	Main Lobby	Blue Ceramic Cove Base
0715BH49B	Main Lobby	Blue Ceramic Cove Base
0715BH50A	Stairwell 1	Tan Ceramic Block Wall
0715BH50B	Stairwell 2	Tan Ceramic Block Wall
0715BH51A	Stairwell 1	Tan Ceramic Block Wall Grout
0715BH51B	Stairwell 2	Tan Ceramic Block Wall Grout
0715BH52A	Room 160	Yellow Ceramic Block Wall
0715BH52B	Room 157	Yellow Ceramic Block Wall
0715BH53A	Room 160	Yellow Ceramic Block Wall Grout
0715BH53B	Room 157	Yellow Ceramic Block Wall Grout
0715BH54A	Gymnasium	Black Cove Base
0715BH54B	Room 224	Black Cove Base
* 0715BH55A	Room 205	Brown Cove Base Glue

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com

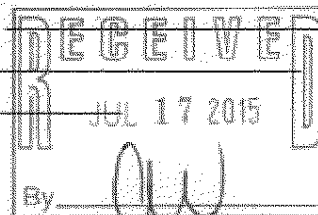
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BHA Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 10 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH55B	Room 103	Brown Cove Base Glue
0715BH56A	Room 209	Gray Pressed Board Cove Base
0715BH56B	Room 209	Gray Pressed Board Cove Base
* 0715BH57A	Room 209	Black Glue on Pressed Board Cove Base
0715BH57B	Room 209	Black Glue on Pressed Board Cove Base
* 0715BH58A	Room 154	Gray 9"x9" Floor Tile
0715BH58B	Room 224	Tan 9"x9" Floor Tile
0715BH58C	Gymnasium	Tan w/White & Brown Streaks 9"x9" Floor Tile
0715BH58D	Room 155	White 9"x9" Floor Tile
0715BH58E	Room 241	Brown 9"x9" Floor Tile
* 0715BH59A	Room 205	Remnant Black Floor Mastic
0715BH59B	Room 154	Black Floor Mastic
0715BH59C	Room 224	Black Floor Mastic
0715BH59D	Room 155	Black Floor Mastic
0715BH59E	Room 241	Black Floor Mastic

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com

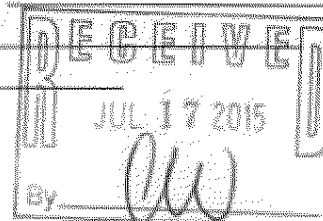
Do Not Mail Hard Copy Report. Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____

F:\P2014\1268\A8E\Lab Data\COC_Plymouth_BH_2015-0715.docx


FUSS & O'NEILL
EnviroScience, LLC

Fuss & O'Neill EnviroScience EMSL Customer No. ENV154

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 11 of 14Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
* 0715BH60A	Room Left of Stage	White 12"x12" Floor Tile
0715BH60B	Room Left of Stage	White 12"x12" Floor Tile
* 0715BH61A	Auditorium	Blue w/White & Gray Steak 12"x12" Floor Tile
0715BH61B	Auditorium	Blue w/White & Gray Steak 12"x12" Floor Tile
* 0715BH62A	Auditorium	Yellow Floor Tile Glue
0715BH62B	Auditorium	Yellow Floor Tile Glue
0715BH63A	Gymnasium	Brown Concrete Floor
0715BH63B	Gymnasium	Brown Concrete Floor
0715BH64A	Room 154	Concrete Block
0715BH64B	Room 201	Concrete Block
0715BH65A	Room 154	Concrete Block Grout
0715BH65B	Room 201	Concrete Block Grout
0715BH66A	Main Lobby	Interior Brick
0715BH66B	Main Lobby	Interior Brick
0715BH67A	Main Lobby	Interior Brick Grout

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

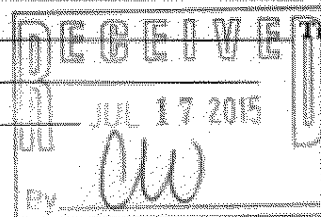
Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

Email Results to: kmccarthy@fando.com
FAX Results to: 888-838-1160Do Not Mail Hard Copy Report Total # of Samples: _____

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
 EnviroScience, LLC

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 12 of 14Project Name: FFH-Plymouth Hall Project No. 20141268-A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
0715BH67B	Main Lobby	Interior Brick Grout
0715BH68A	Exterior of Building	Exterior Brick
0715BH68B	Exterior of Building	Exterior Brick
0715BH69A	Exterior of Building	Exterior Brick Grout
0715BH69B	Exterior of Building	Exterior Brick Grout
* 0715BH70A	Main Building-Exterior Window Systems	Gray Exterior Window Caulking Compounds
0715BH70B	Main Building-Exterior Window Systems	Gray Exterior Window Caulking Compounds
0715BH70C	Main Building-Exterior Window Systems	Gray Exterior Window Caulking Compounds
* 0715BH71A	Gymnasium-Exterior Window Systems	Gray Exterior Window Caulking Compounds
0715BH71B	Gymnasium-Exterior Window Systems	Gray Exterior Window Caulking Compounds
* 0715BH72A	Gymnasium-Exterior Window Systems	Gray Exterior Window Glazing Compounds
0715BH72B	Gymnasium-Exterior Window Systems	Gray Exterior Window Glazing Compounds
* 0715BH73A	Exterior of Building	Gray Exterior Vent Caulking Compounds
0715BH73B	Exterior of Building	Gray Exterior Vent Caulking Compounds

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

Email Results to: kmccarthy@fando.com

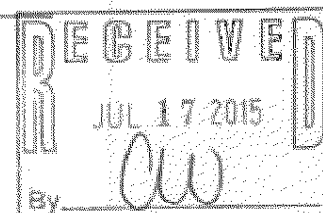
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
EnviroScience, LLC

Fuss & O'Neill EnviroScience EMSL Customer No. ENV154

www.fando.com

56 Quarry Road, Trumbull, CT 066611

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 3 of 14Project Name: FEH-Plymouth Hall Project No. 20141268-ASE Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
* 0715BH74A	Main Roof (Pitched)	Top Layer Asphalt Shingle
0715BH74B	Main Roof (Pitched)	Bottom Layer Asphalt Shingle
* 0715BH75A	Main Roof (Pitched)	Base Sheet
0715BH75B	Main Roof (Pitched)	Base Sheet
* 0715BH76A	Main Roof (Pitched)	Gray Roof Caulking Compounds
0715BH76B	Main Roof (Pitched)	Gray Roof Caulking Compounds
* 0715BH77A	Main Roof (Pitched)	Black Roof Tar
0715BH77B	Main Roof (Pitched)	Black Roof Tar
* 0715BH78A	Gymnasium Roof	Layered Asphalt Sheet Roofing
0715BH78B	Gymnasium Roof	Layered Asphalt Sheet Roofing
* 0715BH79A	Gymnasium Roof	Base Sheet
0715BH79B	Gymnasium Roof	Base Sheet
0715BH80A	Gymnasium Roof	White Block Deck
0715BH80B	Gymnasium Roof	White Block Deck
* 0715BH81A	Gymnasium Roof	Black Perimeter Flashing
0715BH81B	Gymnasium Roof	Black Perimeter Flashing

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

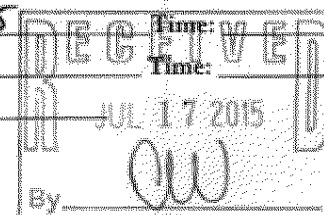
Email Results to: kmccarthy@fando.com

Do Not Mail Hard Copy Report. Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.Samples collected by: B. Hobbins BH Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BH Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____


FUSS & O'NEILL
EnviroScience, LLC

621501310

www.fando.com

56 Quarry Road, Trumbull, CT 06661

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 14 of 14Project Name: EFH-Plymouth Hall Project No. 20141268.A8E Date: July 15, 2015Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

Sample ID	Sample Location	Type of Material
* 0715BH82A	Secondary Flat Roof (southeast to main roof)	Top Black Tar Pitch
0715BH82B	Lower Flat Roof (southeast to gym)	Top Black Tar Pitch
* 0715BH83A	Secondary Flat Roof (southeast to main roof)	Black Built-up Roofing
0715BH83B	Lower Flat Roof (southeast to gym)	Black Built-up Roofing
0715BH84A	Secondary Flat Roof (southeast to main roof)	Brown Board Insulation
0715BH84B	Lower Flat Roof (southeast to gym)	Brown Board Insulation
0715BH85A	Secondary Flat Roof (southeast to main roof)	Yellow Iso-Board Insulation
0715BH85B	Lower Flat Roof (southeast to gym)	Yellow Iso-Board Insulation
* 0715BH86A	Secondary Flat Roof (southeast to main roof)	Black Base Tar
0715BH86B	Lower Flat Roof (southeast to gym)	Black Base Tar
* 0715BH87A	Secondary Flat Roof (southeast to main roof)	Perimeter Flashing
0715BH87B	Lower Flat Roof (southeast to gym)	Perimeter Flashing
* 0715BH88A	Secondary Flat Roof (southeast to main roof)	Black Tar on Fan Unit Footings
0715BH88B	Secondary Flat Roof (southeast to main roof)	Black Tar on Fan Unit Footings

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374-3748.

Email Results to: kmccarthy@fando.com

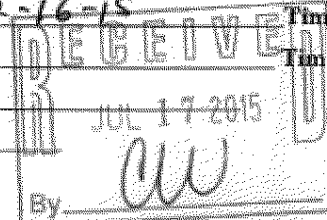
Do Not Mail Hard Copy Report Total # of Samples: _____

FAX Results to: 888-838-1160.

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 Samples are <1% by PLM, analyze only "A" group (as noted by asterisk [*] above) by TEM, NOB, per group.

Samples collected by: B. Hobbins BSA Date: 7-15-15 Time: _____Samples Sent by: B. Hobbins BSA Date: 7-16-15 Time: _____

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State ME ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

Attn: Kevin McCarthy Phone: (860) 646-2469
Fuss & O'Neill EnviroScience, LLC Fax: (888) 838-1160
146 Hartford Road Collected: 7/15/2015
Manchester, CT 06040 Received: 7/17/2015
Analyzed: 7/20/2015

Proj: 20141268.A8E / FFH - PLYMOUTH HALL / SIMPSON STREET, NEWTOWN, CT

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

Client Sample ID: 0715BH01A **Lab Sample ID:** 621501310-0001

Sample Description: ROOM 239/GRAY MUDDIED PIPE FITTING INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	82%	18% Chrysotile	

Client Sample ID: 0715BH01B **Lab Sample ID:** 621501310-0002

Sample Description: ROOM 239/GRAY MUDDIED PIPE FITTING INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH01C **Lab Sample ID:** 621501310-0003

Sample Description: ROOM 164/GRAY MUDDIED PIPE FITTING INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH01D **Lab Sample ID:** 621501310-0004

Sample Description: ROOM 122/GRAY MUDDIED PIPE FITTING INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH02A **Lab Sample ID:** 621501310-0005

Sample Description: ATTIC/SILVER PAPER BACKING ON FIBERGLASS PIPE INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Silver	50%	50%	None Detected	

Client Sample ID: 0715BH02B **Lab Sample ID:** 621501310-0006

Sample Description: ROOM 206/SILVER PAPER BACKING ON FIBERGLASS PIPE INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Silver	50%	50%	None Detected	

Client Sample ID: 0715BH03A **Lab Sample ID:** 621501310-0007

Sample Description: ATTIC/GRAY HVAC FLEX CONNECTOR

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	40%	60%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH03B

Lab Sample ID: 621501310-0008

Sample Description: AUDITORIUM CATWALK/GRAY HVAC FLEX CONNECTOR

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	40%	60%	None Detected	

Client Sample ID: 0715BH04A

Lab Sample ID: 621501310-0009

Sample Description: ROOM 133/SILVER PAPER BACKING ON SINGLE BULB LIGHT FIXTURE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Silver	0%	82%	18% Chrysotile	

Client Sample ID: 0715BH04B

Lab Sample ID: 621501310-0010

Sample Description: ROOM 133/SILVER PAPER BACKING ON SINGLE BULB LIGHT FIXTURE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH05A

Lab Sample ID: 621501310-0011

Sample Description: ATTIC/BROWN SPRAY-ON INSULATION

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0715BH05B

Lab Sample ID: 621501310-0012

Sample Description: ATTIC/BROWN SPRAY-ON INSULATION

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0715BH05C

Lab Sample ID: 621501310-0013

Sample Description: ATTIC/BROWN SPRAY-ON INSULATION

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	96%	4%	None Detected	

Client Sample ID: 0715BH05D

Lab Sample ID: 621501310-0014

Sample Description: ATTIC/BROWN SPRAY-ON INSULATION

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	95%	5%	None Detected	

Client Sample ID: 0715BH05E

Lab Sample ID: 621501310-0015

Sample Description: ATTIC/BROWN SPRAY-ON INSULATION

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
 Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
 Customer ID: ENVI54
 Customer PO: 20141268.A8E
 Project ID:

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

Client Sample ID: 0715BH05F		Lab Sample ID: 621501310-0016				
Sample Description: ATTIC/BROWN SPRAY-ON INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	
Client Sample ID: 0715BH05G		Lab Sample ID: 621501310-0017				
Sample Description: ATTIC/BROWN SPRAY-ON INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	
Client Sample ID: 0715BH06A		Lab Sample ID: 621501310-0018				
Sample Description: ROOM 235/GRAY BASE COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	5%	95%	None Detected	
Client Sample ID: 0715BH06B		Lab Sample ID: 621501310-0019				
Sample Description: ROOM 231/GRAY BASE COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	6%	94%	None Detected	
Client Sample ID: 0715BH06C		Lab Sample ID: 621501310-0020				
Sample Description: ROOM 204/GRAY BASE COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	4%	96%	None Detected	
Client Sample ID: 0715BH06D		Lab Sample ID: 621501310-0021				
Sample Description: ROOM 164/GRAY BASE COAT CEILING PLASTERV						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	5%	95%	None Detected	
Client Sample ID: 0715BH06E		Lab Sample ID: 621501310-0022				
Sample Description: ROOM 142/GRAY BASE COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	5%	95%	None Detected	
Client Sample ID: 0715BH06F		Lab Sample ID: 621501310-0023				
Sample Description: ROOM 141/GRAY BASE COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	5%	95%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH06G		Lab Sample ID: 621501310-0024				
Sample Description: ROOM 122/GRAY BASE COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	4%	96%	None Detected	
Client Sample ID: 0715BH07A		Lab Sample ID: 621501310-0025				
Sample Description: ROOM 235/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH07B		Lab Sample ID: 621501310-0026				
Sample Description: ROOM 231/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH07C		Lab Sample ID: 621501310-0027				
Sample Description: ROOM 204/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH07D		Lab Sample ID: 621501310-0028				
Sample Description: ROOM 164/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH07E		Lab Sample ID: 621501310-0029				
Sample Description: ROOM 142/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH07F		Lab Sample ID: 621501310-0030				
Sample Description: ROOM 141/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH07G		Lab Sample ID: 621501310-0031				
Sample Description: ROOM 122/WHITE SKIM COAT CEILING PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
 Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
 Customer ID: ENVI54
 Customer PO: 20141268.A8E
 Project ID:

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

Client Sample ID: 0715BH08A		Lab Sample ID: 621501310-0032				
Sample Description: MAIN LOBBY/WHITE SKIM COAT WALL PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH08B		Lab Sample ID: 621501310-0033				
Sample Description: MAIN LOBBY/WHITE SKIM COAT WALL PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH08C		Lab Sample ID: 621501310-0034				
Sample Description: AUDITORIUM/WHITE SKIM COAT WALL PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH08D		Lab Sample ID: 621501310-0035				
Sample Description: AUDITORIUM/WHITE SKIM COAT WALL PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH08E		Lab Sample ID: 621501310-0036				
Sample Description: AUDITORIUM/WHITE SKIM COAT WALL PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH09A		Lab Sample ID: 621501310-0037				
Sample Description: ATTIC/WHITE ROOF DECK BLOCK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH09B		Lab Sample ID: 621501310-0038				
Sample Description: ATTIC/WHITE ROOF DECK BLOCK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH09C		Lab Sample ID: 621501310-0039				
Sample Description: ATTIC/WHITE ROOF DECK BLOCK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH10A		Lab Sample ID: 621501310-0040				
Sample Description: ROOM 228/YELLOW KILN INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH10B		Lab Sample ID: 621501310-0041				
Sample Description: ROOM 228/YELLOW KILN INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH10C		Lab Sample ID: 621501310-0042				
Sample Description: ROOM 228/YELLOW KILN INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH11A		Lab Sample ID: 621501310-0043				
Sample Description: ROOM 155/2'X4' SHEETROCK CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	10%	90%	None Detected	
Client Sample ID: 0715BH11B		Lab Sample ID: 621501310-0044				
Sample Description: ROOM 155/2'X4' SHEETROCK CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	10%	90%	None Detected	
Client Sample ID: 0715BH12A		Lab Sample ID: 621501310-0045				
Sample Description: AUDITORIUM/2'X2' CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/White	90%	10%	None Detected	
Client Sample ID: 0715BH12B		Lab Sample ID: 621501310-0046				
Sample Description: AUDITORIUM/2'X2' CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/White	90%	10%	None Detected	
Client Sample ID: 0715BH13A		Lab Sample ID: 621501310-0047				
Sample Description: ROOM 223/1'X1' CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	95%	5%	<1% Chrysotile	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH13B		Lab Sample ID: 621501310-0048				
Sample Description: ROOM 103/1'X1' CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	95%	5%	<1% Chrysotile	
Client Sample ID: 0715BH14A		Lab Sample ID: 621501310-0049				
Sample Description: ROOM 223/BROWN GLUE DAUB ON 1'X1' CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	8%	92%	None Detected	
TEM Grav. Reduction	7/20/2015	Brown	0.0%	100%	None Detected	
Client Sample ID: 0715BH14B		Lab Sample ID: 621501310-0050				
Sample Description: ROOM 103/BROWN GLUE DAUB ON 1'X1' CEILING TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	10%	90%	None Detected	
Client Sample ID: 0715BH15A		Lab Sample ID: 621501310-0051				
Sample Description: ROOM 223/1'X1' WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	98%	2% Amosite	
					<1% Chrysotile	
Client Sample ID: 0715BH15B		Lab Sample ID: 621501310-0052				
Sample Description: AUDITORIUM/1'X1' WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0715BH16A		Lab Sample ID: 621501310-0053				
Sample Description: ROOM 223/BROWN GLUE DAUB ON 1'X1' WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	8%	92%	None Detected	
TEM Grav. Reduction	7/20/2015	Brown	0.0%	100%	None Detected	
Client Sample ID: 0715BH16B		Lab Sample ID: 621501310-0054				
Sample Description: AUDITORIUM/BROWN GLUE DAUB ON 1'X1' WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	8%	92%	None Detected	
Client Sample ID: 0715BH17A		Lab Sample ID: 621501310-0055				
Sample Description: ROOM 223/SHEETROCK CEILING BACKING BEHIND PLASTER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	10%	90%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH17B

Lab Sample ID: 621501310-0056

Sample Description: ROOM 103/SHEETROCK CEILING BACKING BEHIND PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	10%	90%	None Detected	

Client Sample ID: 0715BH18A

Lab Sample ID: 621501310-0057

Sample Description: AUDITORIUM/SHEETROCK WALL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	10%	90%	None Detected	

Client Sample ID: 0715BH18B

Lab Sample ID: 621501310-0058

Sample Description: AUDITORIUM/SHEETROCK WALL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	10%	90%	None Detected	

Client Sample ID: 0715BH19A

Lab Sample ID: 621501310-0059

Sample Description: AUDITORIUM/TAPING / JOINT COMPOUND

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	75%	25%	None Detected	

Client Sample ID: 0715BH19B

Lab Sample ID: 621501310-0060

Sample Description: AUDITORIUM/TAPING / JOINT COMPOUND

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	75%	25%	None Detected	

Client Sample ID: 0715BH20

Lab Sample ID: 621501310-0061

Sample Description: AUDITORIUM/SHEETROCK & TAPING / JOINT COMPOUND COMPOSITE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/White	10%	90%	None Detected	

Client Sample ID: 0715BH21A

Lab Sample ID: 621501310-0062

Sample Description: ROOM 220/DARK GREY CEMENTITIOUS COUNTERTOP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	65%	35%	None Detected	

Client Sample ID: 0715BH21B

Lab Sample ID: 621501310-0063

Sample Description: ROOM 220/DARK GREY CEMENTITIOUS COUNTERTOP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/White	65%	35%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH22A

Lab Sample ID: 621501310-0064

Sample Description: ROOM 228/LIGHT GREY CEMENTITIOUS COUNTERTOP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	80%	20% Chrysotile	

Client Sample ID: 0715BH22B

Lab Sample ID: 621501310-0065

Sample Description: ROOM 228/LIGHT GREY CEMENTITIOUS COUNTERTOP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH23A

Lab Sample ID: 621501310-0066

Sample Description: ATTIC/HVAC HATCH DOOR BLACK SEAM GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	<0.1% Chrysotile	

Client Sample ID: 0715BH23B

Lab Sample ID: 621501310-0067

Sample Description: ATTIC/HVAC HATCH DOOR BLACK SEAM GLUE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Black	0%	100%	None Detected	

Client Sample ID: 0715BH24A

Lab Sample ID: 621501310-0068

Sample Description: ROOM 231/BLACK SINK UNDERCOAT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	96%	4% Chrysotile	

Client Sample ID: 0715BH24B

Lab Sample ID: 621501310-0069

Sample Description: ROOM 205/BLACK SINK UNDERCOAT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH24C

Lab Sample ID: 621501310-0070

Sample Description: ROOM 141/BLACK SINK UNDERCOAT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0715BH25A

Lab Sample ID: 621501310-0071

Sample Description: ROOM 104/WHITE PUTTY CAULKING ON DRINKING FOUNTAIN WIRING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	0%	92%	8% Chrysotile	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH25B		Lab Sample ID: 621501310-0072				
Sample Description: ROOM 104/WHITE PUTTY CAULKING ON DRINKING FOUNTAIN WIRING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0715BH26A		Lab Sample ID: 621501310-0073				
Sample Description: ROOM 204/BLACK TAR ON DRINKING FOUNTAIN FOAM WIRE WRAP						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	
Client Sample ID: 0715BH26B		Lab Sample ID: 621501310-0074				
Sample Description: ROOM 204/BLACK TAR ON DRINKING FOUNTAIN FOAM WIRE WRAP						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
Client Sample ID: 0715BH27A		Lab Sample ID: 621501310-0075				
Sample Description: MAIN LOBBY/WHITE INTERIOR DOOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	White	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	White	4.0%	96.0%	None Detected	
Client Sample ID: 0715BH27B		Lab Sample ID: 621501310-0076				
Sample Description: MAIN LOBBY/WHITE INTERIOR DOOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH28A		Lab Sample ID: 621501310-0077				
Sample Description: MAIN LOBBY/GRAY INTERIOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	0%	98%	2% Chrysotile	
Client Sample ID: 0715BH28B		Lab Sample ID: 621501310-0078				
Sample Description: MAIN LOBBY/GRAY INTERIOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0715BH29A		Lab Sample ID: 621501310-0079				
Sample Description: ROOM 201/WHITE INTERIOR / EXTERIOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray/White	0%	98%	2% Chrysotile	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH29B

Lab Sample ID: 621501310-0080

Sample Description: ROOM 141/WHITE INTERIOR / EXTERIOR WINDOW GLAZING COMPOUNDS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015		Stop Positive (Not Analyzed)			

Client Sample ID: 0715BH29C

Lab Sample ID: 621501310-0081

Sample Description: ROOM 103/WHITE INTERIOR / EXTERIOR WINDOW GLAZING COMPOUNDS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015		Stop Positive (Not Analyzed)			

Client Sample ID: 0715BH30A

Lab Sample ID: 621501310-0082

Sample Description: ROOM 219/GREEN BOARD - TYPE I

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Tan/Green	98%	2%	None Detected	

Client Sample ID: 0715BH30B

Lab Sample ID: 621501310-0083

Sample Description: ROOM 141/GREEN BOARD - TYPE I

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Tan/Green	98%	2%	None Detected	

Client Sample ID: 0715BH31A

Lab Sample ID: 621501310-0084

Sample Description: ROOM 219/BLACK GLUE ON GREEN BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0715BH31B

Lab Sample ID: 621501310-0085

Sample Description: ROOM 141/BLACK GLUE ON GREEN BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	

Client Sample ID: 0715BH32A

Lab Sample ID: 621501310-0086

Sample Description: ROOM 219/GREEN BOARD - TYPE II

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Green	30%	70%	None Detected	

Client Sample ID: 0715BH32B

Lab Sample ID: 621501310-0087

Sample Description: ROOM 141/GREEN BOARD - TYPE II

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Green	30%	70%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH33A

Lab Sample ID: 621501310-0088

Sample Description: ROOM 219/BROWN BACKING ON GREEN BOARD - TYPE II

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	98%	2%	None Detected	
TEM Grav. Reduction	7/20/2015	Brown	0.0%	100%	None Detected	

Client Sample ID: 0715BH33B

Lab Sample ID: 621501310-0089

Sample Description: ROOM 141/BROWN BACKING ON GREEN BOARD - TYPE II

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	98%	2%	None Detected	

Client Sample ID: 0715BH34A

Lab Sample ID: 621501310-0090

Sample Description: ROOM 107/TAN COUNTERTOP / GLUE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0715BH34B

Lab Sample ID: 621501310-0091

Sample Description: ROOM 103/WHITE COUNTERTOP / GLUE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0715BH34C

Lab Sample ID: 621501310-0092

Sample Description: ROOM 122/PINK COUNTERTOP / GLUE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0715BH35A

Lab Sample ID: 621501310-0093

Sample Description: ROOM 103/GRAY LINOLEUM COUNTERTOP

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	20%	80%	None Detected	

Client Sample ID: 0715BH35B

Lab Sample ID: 621501310-0094

Sample Description: ROOM 103/GRAY LINOLEUM COUNTERTOP

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	20%	80%	None Detected	

Client Sample ID: 0715BH36A

Lab Sample ID: 621501310-0095

Sample Description: ROOM 103/YELLOW GLUE ON GRAY LINOLEUM COUNTERTOP

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Yellow	0.0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH36B		Lab Sample ID: 621501310-0096				
Sample Description: ROOM 103/YELLOW GLUE ON GRAY LINOLEUM COUNTERTOP						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH37A		Lab Sample ID: 621501310-0097				
Sample Description: MAIN LOBBY/YELLOW WALLPAPER GLUE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Yellow	0.0%	100%	None Detected	
Client Sample ID: 0715BH37B		Lab Sample ID: 621501310-0098				
Sample Description: MAIN LOBBY/YELLOW WALLPAPER GLUE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH38A		Lab Sample ID: 621501310-0099				
Sample Description: ROOM 101/BROWN PRESSED BOARD BEHIND RADIATOR COVER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	
Client Sample ID: 0715BH38B		Lab Sample ID: 621501310-0100				
Sample Description: ROOM 101/BROWN PRESSED BOARD BEHIND RADIATOR COVER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	
Client Sample ID: 0715BH39A		Lab Sample ID: 621501310-0101				
Sample Description: ROOM 101/BROWN GLUE BEHIND FALSE RADIATOR COVER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	10%	90%	None Detected	
TEM Grav. Reduction	7/20/2015	Brown	1.4%	98.6%	None Detected	
Client Sample ID: 0715BH39B		Lab Sample ID: 621501310-0102				
Sample Description: ROOM 101/BROWN GLUE BEHIND FALSE RADIATOR COVER						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	8%	92%	None Detected	
Client Sample ID: 0715BH40A		Lab Sample ID: 621501310-0103				
Sample Description: ROOM 101/BLACK TAR / PAPER BEHIND RADIATOR AND WINDOW SILL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	93%	7% Chrysotile	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH40B		Lab Sample ID: 621501310-0104				
Sample Description: ROOM 101/BLACK TAR / PAPER BEHIND RADIATOR AND WINDOW SILL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)
Client Sample ID: 0715BH41A		Lab Sample ID: 621501310-0105				
Sample Description: ROOM 206/TAN CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Tan	0%	100%	None Detected	
Client Sample ID: 0715BH41B		Lab Sample ID: 621501310-0106				
Sample Description: ROOM 170/TAN CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Tan	0%	100%	None Detected	
Client Sample ID: 0715BH42A		Lab Sample ID: 621501310-0107				
Sample Description: ROOM 209/GREEN CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH42B		Lab Sample ID: 621501310-0108				
Sample Description: ROOM 110/GREEN CERAMIC WALL TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH43A		Lab Sample ID: 621501310-0109				
Sample Description: ROOM 206/CERAMIC WALL TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH43B		Lab Sample ID: 621501310-0110				
Sample Description: ROOM 110/CERAMIC WALL TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	0%	100%	None Detected	
Client Sample ID: 0715BH44A		Lab Sample ID: 621501310-0111				
Sample Description: ROOM 209/CERAMIC WALL TILE MUDSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/White	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH44B		Lab Sample ID: 621501310-0112				
Sample Description: ROOM 110/CERAMIC WALL TILE MUDSET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH45A		Lab Sample ID: 621501310-0113				
Sample Description: ROOM 206/TAN/BROWN CERAMIC FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown/Tan	0%	100%	None Detected	
Client Sample ID: 0715BH45B		Lab Sample ID: 621501310-0114				
Sample Description: ROOM 110/TAN/BROWN CERAMIC FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown/Tan	0%	100%	None Detected	
Client Sample ID: 0715BH46A		Lab Sample ID: 621501310-0115				
Sample Description: MAIN LOBBY/BLUE CERAMIC FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Blue	0%	100%	None Detected	
Client Sample ID: 0715BH46B		Lab Sample ID: 621501310-0116				
Sample Description: MAIN LOBBY/BLUE CERAMIC FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Blue	0%	100%	None Detected	
Client Sample ID: 0715BH47A		Lab Sample ID: 621501310-0117				
Sample Description: ROOM 110/ CERAMIC FLOOR TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH47B		Lab Sample ID: 621501310-0118				
Sample Description: ROOM 206/ CERAMIC FLOOR TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH47C		Lab Sample ID: 621501310-0119				
Sample Description: MAIN LOBBY/ CERAMIC FLOOR TILE GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH48A

Lab Sample ID: 621501310-0120

Sample Description: ROOM 206/ CERAMIC FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0715BH48B

Lab Sample ID: 621501310-0121

Sample Description: ROOM 110/ CERAMIC FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0715BH48C

Lab Sample ID: 621501310-0122

Sample Description: MAIN LOBBY/ CERAMIC FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0715BH49A

Lab Sample ID: 621501310-0123

Sample Description: MAIN LOBBY/BLUE CERAMIC COVE BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Blue	0%	100%	None Detected	

Client Sample ID: 0715BH50A

Lab Sample ID: 621501310-0125

Sample Description: STAIRWELL 1/TAN CERAMIC BLACK WALL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0715BH50B

Lab Sample ID: 621501310-0126

Sample Description: STAIRWELL 2/TAN CERAMIC BLACK WALL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0715BH51A

Lab Sample ID: 621501310-0127

Sample Description: STAIRWELL 1/TAN CERAMIC BLACK WALL GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/Tan	0%	100%	None Detected	

Client Sample ID: 0715BH51B

Lab Sample ID: 621501310-0128

Sample Description: STAIRWELL 2/TAN CERAMIC BLACK WALL GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray/Tan	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH52A		Lab Sample ID: 621501310-0129				
Sample Description: ROOM 160/YELLOW CERAMIC BLOCK WALL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH52B		Lab Sample ID: 621501310-0130				
Sample Description: ROOM 157/YELLOW CERAMIC BLOCK WALL						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH53A		Lab Sample ID: 621501310-0131				
Sample Description: ROOM 160/YELLOW CERAMIC BLOCK WALL GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH53B		Lab Sample ID: 621501310-0132				
Sample Description: ROOM 157/YELLOW CERAMIC BLOCK WALL GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH54A		Lab Sample ID: 621501310-0133				
Sample Description: GYMNASIUM/BLACK COVE BASE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Black	0%	100%	None Detected	
Client Sample ID: 0715BH54B		Lab Sample ID: 621501310-0134				
Sample Description: ROOM 224/BLACK COVE BASE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Black	0%	100%	None Detected	
Client Sample ID: 0715BH55A		Lab Sample ID: 621501310-0135				
Sample Description: ROOM 205/BROWN COVE BASE GLUE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Brown	0.0%	100%	<0.36% Chrysotile	
Client Sample ID: 0715BH55B		Lab Sample ID: 621501310-0136				
Sample Description: ROOM 103/BROWN COVE BASE GLUE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Brown	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH56A			Lab Sample ID: 621501310-0137			
Sample Description: ROOM 209/GRAY PRESSED BOARD COVE BASE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	98%	2%	None Detected	
Client Sample ID: 0715BH56B			Lab Sample ID: 621501310-0138			
Sample Description: ROOM 209/GRAY PRESSED BOARD COVE BASE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	98%	2%	None Detected	
Client Sample ID: 0715BH57A			Lab Sample ID: 621501310-0139			
Sample Description: ROOM 209/BLACK GLUE ON GRAY PRESSED BOARD COVE BASE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	
Client Sample ID: 0715BH57B			Lab Sample ID: 621501310-0140			
Sample Description: ROOM 209/BLACK GLUE ON GRAY PRESSED BOARD COVE BASE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
Client Sample ID: 0715BH58A			Lab Sample ID: 621501310-0141			
Sample Description: ROOM 154/GRAY 9"X9" FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	0%	94%	6% Chrysotile	
Client Sample ID: 0715BH58B			Lab Sample ID: 621501310-0142			
Sample Description: ROOM 224/TAN 9"X9" FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0715BH58C			Lab Sample ID: 621501310-0143			
Sample Description: GYMNASIUM/TAN W/ WHITE & BROWN STREAKS 9"X9" FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015				Stop Positive (Not Analyzed)	
Client Sample ID: 0715BH58D			Lab Sample ID: 621501310-0144			
Sample Description: ROOM 155/WHITE 9"X9" FLOOR TILE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015				Stop Positive (Not Analyzed)	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH58E

Lab Sample ID: 621501310-0145

Sample Description: ROOM 241/BROWN 9"X9" FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH59A

Lab Sample ID: 621501310-0146

Sample Description: ROOM 205/BLACK FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	95%	5% Chrysotile	

Client Sample ID: 0715BH59B

Lab Sample ID: 621501310-0147

Sample Description: ROOM 154/BLACK FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH59C

Lab Sample ID: 621501310-0148

Sample Description: ROOM 224/BLACK FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH59D

Lab Sample ID: 621501310-0149

Sample Description: ROOM 155/BLACK FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH59E

Lab Sample ID: 621501310-0150

Sample Description: ROOM 241/BLACK FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH60A

Lab Sample ID: 621501310-0151

Sample Description: ROOM LEFT OF STAGE/WHITE 12"X12 FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	White	0%	97%	3% Chrysotile	

Client Sample ID: 0715BH60B

Lab Sample ID: 621501310-0152

Sample Description: ROOM LEFT OF STAGE/WHITE 12"X12 FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH61A **Lab Sample ID:** 621501310-0153

Sample Description: AUDITORIUM/BLUE W/ WHITE & GRAY STREAK 12"X12" FLOOR TILE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray/White/Blue	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Gray/White/Blue	0.0%	100%	None Detected	

Client Sample ID: 0715BH61B **Lab Sample ID:** 621501310-0154

Sample Description: AUDITORIUM/BLUE W/ WHITE & GRAY STREAK 12"X12" FLOOR TILE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray/White	0%	100%	None Detected	

Client Sample ID: 0715BH62A **Lab Sample ID:** 621501310-0155

Sample Description: AUDITORIUM/YELLOW FLOOR TILE GLUE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Yellow	0.0%	100%	<0.1% Chrysotile	

Client Sample ID: 0715BH62B **Lab Sample ID:** 621501310-0156

Sample Description: AUDITORIUM/YELLOW FLOOR TILE GLUE

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/17/2015	Yellow	0%	100%	None Detected	

Client Sample ID: 0715BH63A **Lab Sample ID:** 621501310-0157

Sample Description: GYMNASIUM/BROWN CONCRETE FLOOR

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	0%	100%	None Detected	

Client Sample ID: 0715BH63B **Lab Sample ID:** 621501310-0158

Sample Description: GYMNASIUM/BROWN CONCRETE FLOOR

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	0%	100%	None Detected	

Client Sample ID: 0715BH64A **Lab Sample ID:** 621501310-0159

Sample Description: ROOM 154/CONCRETE BLOCK

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0715BH64B **Lab Sample ID:** 621501310-0160

Sample Description: ROOM 201/CONCRETE BLOCK

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH65A		Lab Sample ID: 621501310-0161				
Sample Description: ROOM 154/CONCRETE BLOCK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	2%	98%	None Detected	
Client Sample ID: 0715BH65B		Lab Sample ID: 621501310-0162				
Sample Description: ROOM 201/CONCRETE BLOCK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH66A		Lab Sample ID: 621501310-0163				
Sample Description: MAIN LOBBY/INTERIOR BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Red	0%	100%	None Detected	
Client Sample ID: 0715BH66B		Lab Sample ID: 621501310-0164				
Sample Description: MAIN LOBBY/INTERIOR BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Red	0%	100%	None Detected	
Client Sample ID: 0715BH67A		Lab Sample ID: 621501310-0165				
Sample Description: MAIN LOBBY/INTERIOR BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH67B		Lab Sample ID: 621501310-0166				
Sample Description: MAIN LOBBY/INTERIOR BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH68A		Lab Sample ID: 621501310-0167				
Sample Description: EXTERIOR OF BUILDING/EXTERIOR BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Red	0%	100%	None Detected	
Client Sample ID: 0715BH68B		Lab Sample ID: 621501310-0168				
Sample Description: EXTERIOR OF BUILDING/EXTERIOR BRICK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Red	0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH69A		Lab Sample ID: 621501310-0169				
Sample Description: EXTERIOR OF BUILDING/EXTERIOR BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/20/2015	Gray	Fibrous 0%	Non-Fibrous 100%	None Detected	
Client Sample ID: 0715BH69B		Lab Sample ID: 621501310-0170				
Sample Description: EXTERIOR OF BUILDING/EXTERIOR BRICK GROUT						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/20/2015	Gray	Fibrous 0%	Non-Fibrous 100%	None Detected	
Client Sample ID: 0715BH70A		Lab Sample ID: 621501310-0171				
Sample Description: MAIN BUILDING - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/17/2015	Gray	Fibrous 0%	Non-Fibrous 94%	6% Chrysotile	
Client Sample ID: 0715BH70B		Lab Sample ID: 621501310-0172				
Sample Description: MAIN BUILDING - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/17/2015		Stop Positive (Not Analyzed)			
Client Sample ID: 0715BH70C		Lab Sample ID: 621501310-0173				
Sample Description: MAIN BUILDING - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/17/2015		Stop Positive (Not Analyzed)			
Client Sample ID: 0715BH71A		Lab Sample ID: 621501310-0174				
Sample Description: GYMNASIUM - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/17/2015	Gray	Fibrous 0%	Non-Fibrous 92%	8% Chrysotile	
Client Sample ID: 0715BH71B		Lab Sample ID: 621501310-0175				
Sample Description: GYMNASIUM - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/17/2015		Stop Positive (Not Analyzed)			
Client Sample ID: 0715BH72A		Lab Sample ID: 621501310-0176				
Sample Description: GYMNASIUM - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
PLM	7/17/2015	Gray	Fibrous 0%	Non-Fibrous 98%	2% Chrysotile	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH72B		Lab Sample ID: 621501310-0177				
Sample Description: GYMNASIUM - EXTERIOR WINDOW SYSTEMS/GRAY EXTERIOR WINDOW GLAZING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH73A		Lab Sample ID: 621501310-0178				
Sample Description: EXTERIOR BUILDING/GRAY EXTERIOR VENT CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	0%	94%	6% Chrysotile	

Client Sample ID: 0715BH73B		Lab Sample ID: 621501310-0179				
Sample Description: EXTERIOR BUILDING/GRAY EXTERIOR VENT CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015					Stop Positive (Not Analyzed)

Client Sample ID: 0715BH74A		Lab Sample ID: 621501310-0180				
Sample Description: MAIN ROOF (PITCHED)/TOP LAYER ASPHALT SHINGLE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	20%	80%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0715BH74B		Lab Sample ID: 621501310-0181				
Sample Description: MAIN ROOF (PITCHED)/BOTTOM LAYER ASPHALT SHINGLE						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	20%	80%	None Detected	

Client Sample ID: 0715BH75A		Lab Sample ID: 621501310-0182				
Sample Description: MAIN ROOF (PITCHED)/BASE SHEET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	20%	80%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0715BH75B		Lab Sample ID: 621501310-0183				
Sample Description: MAIN ROOF (PITCHED)/BASE SHEET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	20%	80%	None Detected	

Client Sample ID: 0715BH76A		Lab Sample ID: 621501310-0184				
Sample Description: MAIN ROOF (PITCHED)/GRAY ROOF CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Gray	0.0%	99.3%	0.73% Chrysotile	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH76B						Lab Sample ID: 621501310-0185
Sample Description: MAIN ROOF (PITCHED)/GRAY ROOF CAULKING COMPOUNDS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Gray	0%	100%	None Detected	
Client Sample ID: 0715BH77A						Lab Sample ID: 621501310-0186
Sample Description: MAIN ROOF (PITCHED)/BLACK ROOF TAR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	94%	6% Chrysotile	
Client Sample ID: 0715BH77B						Lab Sample ID: 621501310-0187
Sample Description: MAIN ROOF (PITCHED)/BLACK ROOF TAR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015				Stop Positive (Not Analyzed)	d
Client Sample ID: 0715BH78A						Lab Sample ID: 621501310-0188
Sample Description: GYMNASIUM ROOF/LAYERED ASPHALT SHEET ROOFING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	30%	70%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	
Client Sample ID: 0715BH78B						Lab Sample ID: 621501310-0189
Sample Description: GYMNASIUM ROOF/LAYERED ASPHALT SHEET ROOFING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	30%	70%	None Detected	
Client Sample ID: 0715BH79A						Lab Sample ID: 621501310-0190
Sample Description: GYMNASIUM ROOF/BASE SHEET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	65%	35%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	
Client Sample ID: 0715BH79B						Lab Sample ID: 621501310-0191
Sample Description: GYMNASIUM ROOF/BASE SHEET						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	60%	40%	None Detected	
Client Sample ID: 0715BH80A						Lab Sample ID: 621501310-0192
Sample Description: GYMNASIUM ROOF/WHITE BLOCK DECK						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	10%	90%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH80B **Lab Sample ID:** 621501310-0193
Sample Description: GYMNASIUM ROOF/WHITE BLOCK DECK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	White	10%	90%	None Detected	

Client Sample ID: 0715BH81A **Lab Sample ID:** 621501310-0194
Sample Description: GYMNASIUM ROOF/BLACK PERIMETER FLASHING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0715BH81B **Lab Sample ID:** 621501310-0195
Sample Description: GYMNASIUM ROOF/BLACK PERIMETER FLASHING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	

Client Sample ID: 0715BH82A **Lab Sample ID:** 621501310-0196
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/TOP BLACK TAR PITCH

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0715BH82B **Lab Sample ID:** 621501310-0197
Sample Description: LOWER FLAT ROOF (SOUTHEAST TO GYM)/TOP BLACK TAR PITCH

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	

Client Sample ID: 0715BH83A **Lab Sample ID:** 621501310-0198
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/BLACK BUILT-UP ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0715BH83B **Lab Sample ID:** 621501310-0199
Sample Description: LOWER FLAT ROOF (SOUTHEAST TO GYM)/BLACK BUILT-UP ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	

Client Sample ID: 0715BH84A **Lab Sample ID:** 621501310-0200
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/BROWN BOARD INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
Customer ID: ENVI54
Customer PO: 20141268.A8E
Project ID:

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

Client Sample ID: 0715BH84B		Lab Sample ID: 621501310-0201				
Sample Description: LOWER FLAT ROOF (SOUTHEAST TO GYM)/BROWN BOARD INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Brown	98%	2%	None Detected	
Client Sample ID: 0715BH85A		Lab Sample ID: 621501310-0202				
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/YELLOW ISO-BOARD INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Black/Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH85B		Lab Sample ID: 621501310-0203				
Sample Description: LOWER FLAT ROOF (SOUTHEAST TO GYM)/YELLOW ISO-BOARD INSULATION						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/20/2015	Black/Yellow	0%	100%	None Detected	
Client Sample ID: 0715BH86A		Lab Sample ID: 621501310-0204				
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/BLACK BASE TAR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	
Client Sample ID: 0715BH86B		Lab Sample ID: 621501310-0205				
Sample Description: LOWER FLAT ROOF (SOUTHEAST TO GYM)/BLACK BASE TAR						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
Client Sample ID: 0715BH87A		Lab Sample ID: 621501310-0206				
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/PERIMETER FLASHING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	
Client Sample ID: 0715BH87B		Lab Sample ID: 621501310-0207				
Sample Description: LOWER FLAT ROOF (SOUTHEAST TO GYM)/PERIMETER FLASHING						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	0%	100%	None Detected	
Client Sample ID: 0715BH88A		Lab Sample ID: 621501310-0208				
Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/BLACK TAR ON FAN UNIT FOOTINGS						
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	20%	80%	None Detected	
TEM Grav. Reduction	7/20/2015	Black	0.0%	100%	None Detected	



EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106
 Phone/Fax: (207) 517-6921 / (207) 517-6922
<http://www.EMSL.com> / portlandlab@emsl.com

EMSL Order ID: 621501310
 Customer ID: ENVI54
 Customer PO: 20141268.A8E
 Project ID:

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

Client Sample ID: 0715BH88B

Lab Sample ID: 621501310-0209

Sample Description: SECONDARY FLAT ROOF (SOUTHEAST TO MAIN ROOF)/BLACK TAR ON FAN UNIT FOOTINGS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	7/17/2015	Black	20%	80%	None Detected	

Analyst(s):

Christina Walker PLM (109)
 Desiree Lunt PLM (71)
 Leslie McCluskeyEissing TEM Grav. Reduction (25)

Reviewed and approved by:

Christina Walker, Laboratory Manager
 or Other Approved Signatory

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. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. South Portland, ME NVLAP Lab Code 500094-0

Initial report from: 07/20/2015 14:04:17



FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 06661

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 1

Project Name: FFH-Plymouth Hall Project No. 20141268.A8E Date: July 17, 2015

Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: K. McCarthy

[illegible]

RECEIVED
EMSL
CINNAPRINSON, NJ
15 JUL 21 AM 10:40

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 5 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to kmccarthy@fando.com
FAX Results to 888-838-1160.

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 NOR group Samples are <1% by P/L, analyze only "A" group (as noted by asterisk [*] above) by TEM. NOR, per group.

Samples collected by: B. Hobbins BLH Date July 17, 2015 Time

Samples Sent by B. Hobbins EL Date July 17, 2015 Time

Samples Received by: BB end of Date: 7/21/15 Time: 930

Shipped To. ☒ EMSL State ME ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____

②


EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>
cinnaslab@EMSL.com

EMSL Order:	041521475
CustomerID:	ENV154
CustomerPO:	20141268.A8E
ProjectID:	

Attn: **Kevin McCarthy**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 07/21/15 9:30 AM
 Analysis Date: 7/23/2015
 Collected: 7/17/2015

Project: FFH-Plymouth Hall / 20141268.A8E / Simpson Street, Newtown, CT

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

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
0717BH01A 041521475-0001	Exterior of Building - Black Tar / Paper b/w Brick and Foundation	Black Fibrous Homogeneous	35% Cellulose	62% Non-fibrous (other)	3% Chrysotile
0717BH01B 041521475-0002	Exterior of Building - Black Tar / Paper b/w Brick and Foundation				Stop Positive (Not Analyzed)

Analyst(s)

Rebecca Siegel (1)

Benjamin Ellis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported 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. 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. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%.

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, PA ID# 68-00367

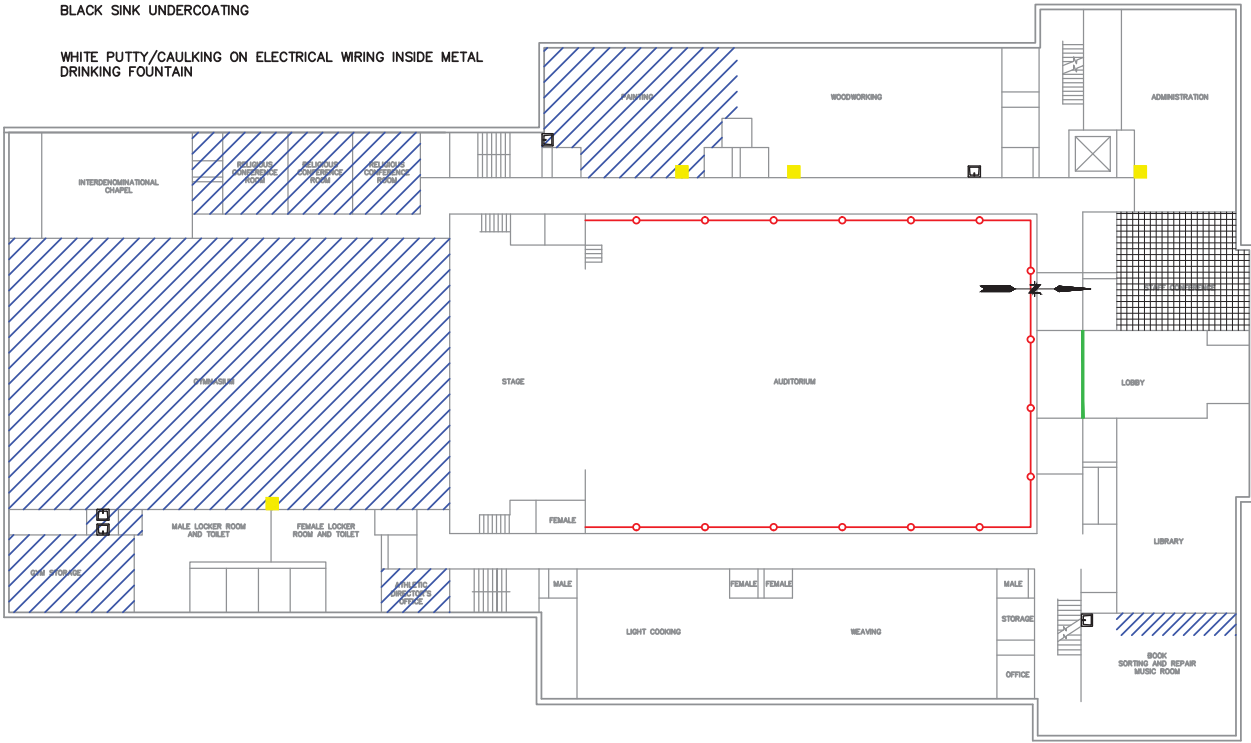
Initial report from 07/23/2015 10:43:34

Appendix D

Asbestos-Containing Materials Locations Diagrams

LEGEND

- FLOOR TILE & MASTIC
- REMNANT BLACK MASTIC
- GRAY INTERIOR WINDOW GLAZING COMPOUNDS
- 1'x1' WALL TILE
- BLACK SINK UNDERCOATING
- WHITE PUTTY/CAULKING ON ELECTRICAL WIRING INSIDE METAL DRINKING FOUNTAIN



1 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
FIRST FLOOR – PLYMOUTH HALL
SCALE: N.T.S.



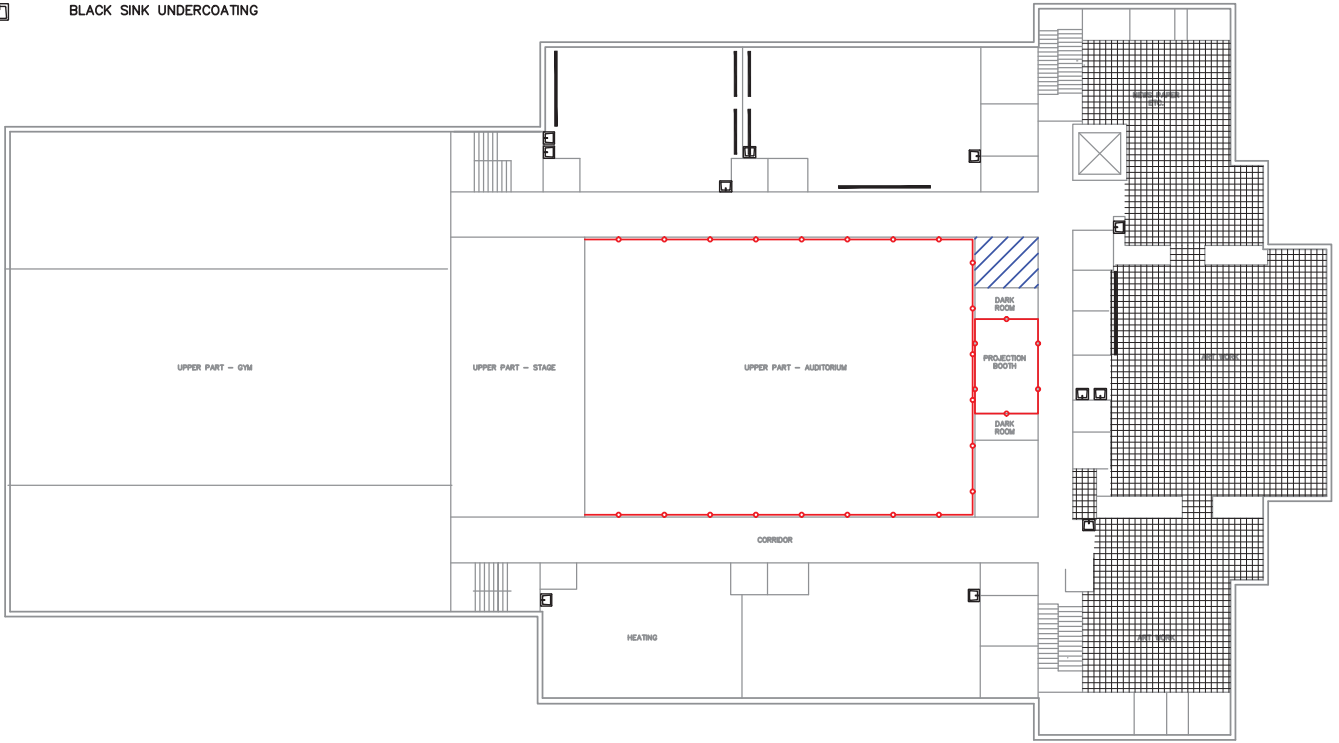
3 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
BASEMENT – PLYMOUTH HALL
SCALE: N.T.S.

LEGEND

- FLOOR TILE & MASTIC
- CEMENTITIOUS BAKE-LITE BREAKER PANEL

LEGEND

- FLOOR TILE & MASTIC
- REMNANT BLACK MASTIC
- CEMENTITIOUS COUNTERTOP
- 1'x1' WALL TILE
- BLACK SINK UNDERCOATING



2 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
SECOND FLOOR – PLYMOUTH HALL
SCALE: N.T.S.

NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

File Path: J:\DWG\2014\1268\ASBE\Environmental\Hazard\2014\1268\ASBE_HAZD1_PLYMOUTH.dwg Layout: FIG.1.1 Plotted: Tue, November 08, 2016 - 11:00 AM User: stions
MS VIEW: Plotter: DWG TO PDF PC3 CTB File: FO.STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.				

SEAL	SEAL
------	------

--	--

SCALE:	HORZ.: N.T.S.
	VERT.:
DATUM:	HORZ.:
	VERT.:
	1 0 1
	GRAPHIC SCALE



FUSS & O'NEILL
EnviroScience, LLC
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

TOWN OF NEWTOWN

ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION

FAIRFIELD HILLS - PLYMOUTH HALL

NEWTOWNCONNECTICUT

PROJ. No.: 20141268.A9E

DATE: AUGUST 2015

FIG.1.1

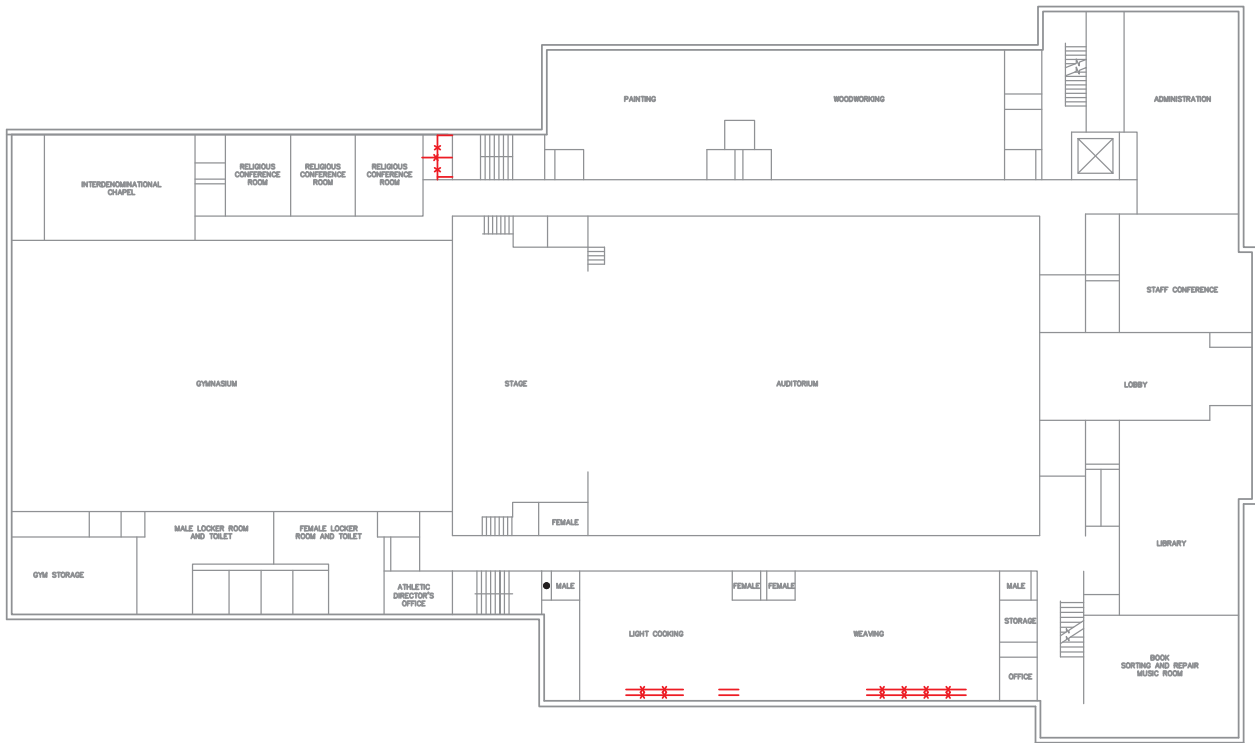
File Path: J:\DWG\2014\1268\ASBE\Environmental\Hazmat\2014\1268\BAE_HAZD2_PLYMOUTH.dwg Layout: FIG.2.1 Plotted: Tue, November 08, 2016 - 11:01 AM User: stions
MS VIEW: Layer State: Plotter: DWG TO PDF PC3 CTB File: FO.STB

LEGEND

- MUDDIED PIPE FITTING INSULATION
- SILVER PAPER BACKING ON SINGLE BULB LIGHT FIXTURE

NOTE

- MUDDIED PIPE FITTINGS INSULATION WAS OBSERVED ABOVE PLASTER CEILING AT SEVERAL AREAS (SEE DRAWING). THE MATERIAL IS ASSUMED TO EXIST ABOVE FIXED CEILINGS THROUGHOUT BUILDING.



1 ASBESTOS CONTAINING THERMAL SYSTEM INSULATION MATERIALS LOCATION
FIRST FLOOR – PLYMOUTH HALL
SCALE: N.T.S.

LEGEND

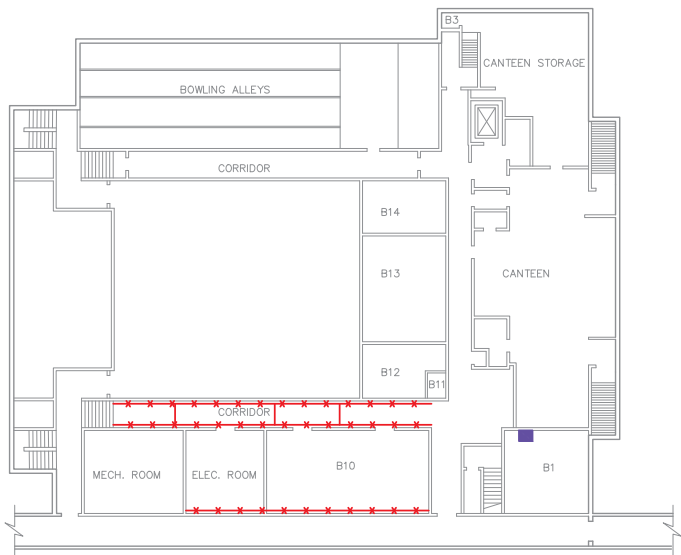
- MUDDIED PIPE FITTING INSULATION
- KILN LINER INSULATION (TOP LID)

NOTE

- MUDDIED PIPE FITTINGS INSULATION WAS OBSERVED ABOVE PLASTER CEILING AT SEVERAL AREAS (SEE DRAWING). THE MATERIAL IS ASSUMED TO EXIST ABOVE FIXED CEILINGS THROUGHOUT BUILDING.



2 ASBESTOS CONTAINING THERMAL SYSTEM INSULATION MATERIALS LOCATION
SECOND FLOOR – PLYMOUTH HALL
SCALE: 3/32" = 1'-0"±



1 ASBESTOS CONTAINING THERMAL SYSTEM INSULATION MATERIALS LOCATION
BASEMENT – PLYMOUTH HALL
SCALE: N.T.S.

LEGEND

- PIPE AND PIPE FITTING INSULATION
- KILN LINER INSULATION (TOP LID)

GENERAL NOTE

- PIPE AND PIPE FITTING INSULATION WAS OBSERVED ABOVE PLASTER CEILING AT SEVERAL AREAS (SEE DRAWING). THE MATERIAL IS ASSUMED TO EXIST ABOVE FIXED CEILS THROUGHOUT BUILDING.

NOTE:

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMS SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.				

SEAL	SEAL

SCALE:	HORZ.: 3/32" = 1'-0"
	VERT.: 3/32" = 1'-0"
DATUM:	HORZ.: 3/32" = 1'-0"
	VERT.: 3/32" = 1'-0"
	3/32 0 3/32
	GRAPHIC SCALE



FUSS & O'NEILL
EnviroScience, LLC
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

TOWN OF NEWTOWN

ASBESTOS CONTAINING THERMAL SYSTEM
INSULATION MATERIALS LOCATION

FAIRFIELD HILLS - PLYMOUTH HALL

NEWTOWN CONNECTICUT




PROJ. No.: 20141268.A9E
DATE: AUGUST 2015

FIG.2.1

The floor plan of the second floor includes the following labeled areas:

- INTERDENOMINATIONAL CHAPEL
- RELIGIOUS CONFERENCE ROOM (three separate rooms)
- GYMNASIUM
- GYM STORAGE
- MALE LOCKER ROOM AND TOILET
- FEMALE LOCKER ROOM AND TOILET
- ATHLETIC DIRECTOR'S OFFICE
- STAGE
- AUDITORIUM
- PAINTING
- WOODWORKING
- ADMINISTRATION
- STAFF CONFERENCE
- LOBBY
- LIBRARY
- BOOK SORTING AND REPAIR MUSIC ROOM
- MALE
- FEMALE
- STORAGE
- OFFICE
- LIGHT COOKING
- WEAVING

Architectural floor plan of a building. A large rectangular area is filled with an orange cross-hatch pattern and labeled "RAMP". To the left of this area, a dashed line is labeled "PERMANENT ROOF". The plan shows various rooms, corridors, and structural elements, including a staircase and a small green area at the top right.

	BLACK ROOK TAR UNDER ROOF SHINGLES
	EXTERIOR WINDOW CAULKING AND GLAZING COMPOUNDS
	GRAY EXTERIOR COPING STONE SEAM CAULKING COMPOUNDS

This floor plan illustrates the layout of the upper part of a cinema building. The central feature is the large **UPPER PART - AUDITORIUM**, flanked by the **UPPER PART - STAGE** on the left and the **UPPER PART - GYM** on the right. A central **CORRIDOR** provides access to the auditorium and other areas. To the right of the auditorium, there are two **DARK ROOM**s and a **PROJECTION BOOTH**. Further right, there are areas designated for **ART WORK** and **NEWS PAPER ETC.**. At the bottom, a **HEATING** area is located. The plan also shows several staircases and a central entrance area marked with a blue line and dots.

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BIDDING DOCUMENT OR AS A PROJECT ABATEMENT DRAWING DOCUMENT. THE DRAWING IS DESIGNED TO AID THE BUILDING OWNER, ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTORS, AND ASBESTOS ABATEMENT CONTRACTORS IN LOCATING ACM. QUANTITIES AND LOCATIONS OF IDENTIFIED ACMs SHOULD BE CONFIRMED AND OBSERVED BY THE ABATEMENT CONTRACTORS DURING THE BIDDING PROCESS.

PROJ. No.: 20141268.A9E
DATE: AUGUST 2015

FIG.3.1

Appendix E

Lead Paint Determination Field Data Sheets



XRF LEAD SCREENING FIELD DATA SHEET

Inspector Name: Bob Hobbins Inspector License #: 2156

Date: July 14, 2015 XRF Model: LPA-1B Serial: 3241R

Project Name: FFH-Plymouth Hall Project Number: 20141268.A8E

Address: Simpson St., Newtown, CT Building: Plymouth Hall Project Manager: K. McCarthy

XRF Calibration Check-RMD (0.7 to 1.3 mg/cm² inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	<u>0944</u>	<u>1.1</u>	<u>1.1</u>	<u>1.2</u>	<u>1.133</u>
Second Check	<u>1200</u>	<u>0.9</u>	<u>0.9</u>	<u>1.1</u>	<u>0.96</u>
Third Check					
Fourth Check					

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
A	Wall	CERAMIC BLK	Tan	-0.2		Stairwell 1
	Stringer	m	Tan	3.2	✓	
	Riser	m	Tan	0.1		
	Door	m	Tan	-0.0		
	DT	m	Tan	-0.1		
	DJ	m	Tan	0.2		
D	Wall	CB	WHT.	-0.4		2nd Floor
D	Wall	CB	Blue	-0.1		
	ceiling	PL	WHT.	0.6		
	Radiator (hidden)	m	YLO	1.1	✓	Stairwell
	Radiator	m	Blue	0.1		
A	Wall	CERAMIC	Green	79.9	✓	
	Cabinet	m	Tan	-0.1		
	Interior Window/Wall	w	Blue	-0.1		
	Sink Cabinet	m	WHT.	0.0		
A	Wall	CB	Pink	-0.2		
A	Wall	CB	Green	-0.4		
	Cabinet	m	Green	-0.7		

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: FIH-Plymouth Hall

Project Number: 20141268.A8E

Address: Simpson St., Newtown, CT Building: Plymouth Hall Project Manager: K. McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (✓)	Comments/Notes
	Radiator	m	Brown	-0.2		2nd Floor
	Green Board T ¹	W/comp.	green	0.6		
	Door	m	Brown	0.1		
	DT	m		-0.1		
	DJ	m		-0.0		
	Ceiling	PL	WHT.	-0.3		
	Skull Partition	m	Tan	-0.1		
	Fire Hose Cabinet	m	Blue	-0.2		
C	Wall	CB	WHT.	-0.1		
	Kitchen	m	Blk	-0.1		
	Green Board T ²	W/comp.	green	0.2		
	GB Trim	W	Gray	-0.1		
	Radiator	m	Tan	-0.1		
	Catwalk Partition (choir)	m	Tan	-0.1		
	Steel Supp beam	m	Ylw	0.8		
						1st Floor
	Door	W	Tan	0.1		sig/well
	DT	W		-0.1		
	DJ	W		-0.2		
	Door	m	Green	-0.0		
	DT			-0.2		
	DJ			-0.1		
P	Wall	CB	blue	-0.1		
	Book shelf	W	blue	-0.2		
	Door	W	Gray	-0.1		
	DT			-0.0		
	DJ			0.1		

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement



XRF LEAD SCREENING FIELD DATA SHEET (CONT.)

Project Name: FFH-Plymouth Hall

Project Number: 20141268.A8E

Address: Simpson St., Newtown, CT Building: Plymouth Hall Project Manager: K. McCarthy

Side	Surface/Component	Substrate	Color	XRF Reading	Positive (Y)	Comments/Notes
	Door	W	WHT.	-0.1		1st Floor - Gym
	DT	↓	↓	-0.2		
	DJ	↓	↓	-0.1		
	Fire Alarm P/N	m	red	0.0		
C	wall	cer. Bk	YELW	0.2		
	Stairwell	cer. Bk	Tan	-0.1		
B	wall	cer. WT	green	>9.9	✓	
	ext. wall	m	Blue	0.2		
	Panel Box door	m	tan	-0.1		
B	wall	CB	WHT.	-0.2		
D	wall	CB	YELW	-0.4		
	Radiator	m	Blue	-0.1		
	Door	W	Brown	-0.1		main Entr.
	DT	↓	↓	-0.3		
	DJ	↓	↓	-0.1		
	File Cabinet	m	Blue	-0.2		
C	wall	CB	YELW	-0.1		
A	wall	PL	green	0.1		lower wall in auditorium
	Steel Supp. Beam (horiz.)	m	YELW	-0.0		
	Steel I-Beam	m	BK	-0.2		
A	Window Linel	m	WHT.	0.2		RETERIOR
A	Door, DT, DJ	0.2, 0.2, 0.7	W	WHT.		↑
	H.R., Bal.	0.0, 0.2	m	BK.		
B	Door, DT	-0.1, 0.2	W	WHT.		
C	Door, DT	0.5, -0.2	W	WHT.		
D	Door, DT	0.7, 0.6	W	WHT.		
D	Door Linel	0.3	m	WHT.		↑

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement

Appendix F

Lead TCLP Laboratory Analytical Report and Chain-Of-Custody
Form, and TCLP Representative Demolition Waste Stream Sample
Aliquot Computation Form



Tuesday, November 01, 2016

Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: FAIRFIELD HILLS PLYMOUTH HALL
Sample ID#s: BV67613 - BV67615

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.

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 #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

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



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

Analysis Report

November 01, 2016

FOR: Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 72 Hour
P.O.#: 20141268.A9E

Custody Information

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

Date

10/26/16
10/27/16

Time

14:12

Laboratory Data

SDG ID: GBV67613
Phoenix ID: BV67613

Project ID: FAIRFIELD HILLS PLYMOUTH HALL
Client ID: 20161026BH PLYMOUTH ENTIRE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	10/29/16	LK	SW6010C
TCLP Metals Digestion	Completed				10/28/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				10/27/16	W	SW1311

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 01, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

November 01, 2016

FOR: Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 72 Hour
P.O.#: 20141268.A9E

Custody Information

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

Date Time

10/26/16
10/27/16 14:12

Laboratory Data

SDG ID: GBV67613
Phoenix ID: BV67614

Project ID: FAIRFIELD HILLS PLYMOUTH HALL
Client ID: 20161026BH PLYMOUTH ENTIRE + FOUNDATION

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	10/29/16	LK	SW6010C
TCLP Metals Digestion	Completed				10/28/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				10/27/16	W	SW1311

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 01, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

November 01, 2016

FOR: Attn: Ms. Helen Rimsa
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 72 Hour
P.O.#: 20141268.A9E

Custody Information

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

Date

10/26/16
10/27/16

Time

14:12

Laboratory Data

SDG ID: GBV67613
Phoenix ID: BV67615

Project ID: FAIRFIELD HILLS PLYMOUTH HALL
Client ID: 20161026BH PLYMOUTH ACM

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	7.34	0.10	mg/L	1	10/29/16	LK	SW6010C
TCLP Metals Digestion	Completed				10/28/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				10/27/16	W	SW1311

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 01, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

November 01, 2016

QA/QC Data

SDG I.D.: GBV67613

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 364679 (mg/L), QC Sample No: BV67323 (BV67613, BV67614, BV67615)													
<u>ICP Metals - TCLP Extraction</u>													
Lead	BRL	0.010	0.145	0.136	6.40	108			108			75 - 125	20

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

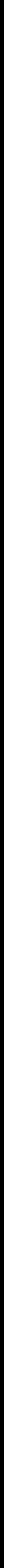
Phyllis Shiller, Laboratory Director
November 01, 2016

Sample Criteria Exceedances Report
GBV67613 - FOENVIR

Criteria: None
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BV67615	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	7.34	0.10	5	5	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Fuss & O'Neill EnviroScience, LL

Project Location: FAIRFIELD HILLS PLYMOUTH HALL **Project Number:**

Laboratory Sample ID(s): BV67613-BV67615

Sampling Date(s): 10/26/2016

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Tuesday, November 01, 2016

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



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



RCP Certification Report

November 01, 2016

SDG I.D.: GBV67613

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Lead is reported as requested on the chain of custody.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 10/28/16 15:39

Laura Kinnin, Chemist 10/28/16

BV67613, BV67614, BV67615

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 364679 (BV67323)

BV67613, BV67614, BV67615

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.

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



FUSS & O'NEILL
(860) 646-2469 • www.fandn.com

- ☐ 146 Hartford Road, Manchester, CT 06040
☒ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201

- ☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY

How/ct/P

CHAIN-OF-CUSTODY RECORD 36660

PROJECT NAME

Fairfield Hills - Plymouth Hall Simpson St., Newtown, CT
REPORT TO: Helen Rimsa / R. Redfield

INVOICE TO: S. Owens

P.O. No.: 20141268.A9E

PROJECT LOCATION

Analysis Request

PROJECT NUMBER

20141268.A9E

LABORATORY

Phoenix Containers

Sampler's Signature: B. Hobbins

Date: 10-26-16

Source Codes:

MW = Monitoring Well PW = Potable Water T = Treatment Facility S = Soil B = Sediment
SW = Surface Water ST = Stormwater W = Waste A = Air C = Concrete

N = Other TELP - Lead

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1	/				20161026BA	X	10-26	
2	/				Plymouth - Entice			
3	/				Plymouth - Entice + Foundation			
					Plymouth - ACM			

Soil VOA Vol. □ methanol	Soil VOA Vol. □ water	Glass Soil Container () oz	Other	Water VOA Vol. □ As is	Glass Amber () ml	Plastic - As is □ 250 ml	Plastic - H ₂ SO ₄ □ 250 ml	Plastic - HNO ₃ □ 250 ml	Plastic - NaOH □ 250 ml
□ 1000 ml	□ 500 ml	□ 500 ml	□ HCl	□ 500 ml	□ 1000 ml	□ 500 ml	□ 500 ml	□ 500 ml	□ 100 ml

Comments
67613
67614
67615

Transfer Number	Relinquished By	Accepted By	Date	Time	Charge Exceptions: □ CT Tax Exempt □ QA/QC □ Other
1	B. Hobbins	PTOF	10-26	1700	□ Duplicates □ Blanks (Item Nos.)
2	PTOF	B. H.	10-27	1038	Reporting and Detection Limit Requirements: □ RCP Deliverables □ MCP CAM Cert.
3	B. H.		10-27	1038	Additional Comments:
4		Kristal Bane	10-27	1402	



Thursday, November 17, 2016

Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: FAIRFIELD HILLS PLYMOUTH
Sample ID#s: BV81391 - BV81392

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.

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 #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

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



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

Analysis Report

November 17, 2016

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 48 Hour
P.O.#: 20141268.A9E

Custody Information

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

Date

11/10/16

Time

13:55

Laboratory Data

SDG ID: GBV81391
Phoenix ID: BV81391

Project ID: FAIRFIELD HILLS PLYMOUTH
Client ID: 20161110BH PLYMOUTH ACM W/O CSCLM

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	11/14/16	TH	SW6010C
TCLP Metals Digestion	Completed				11/14/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				11/11/16	W	SW1311

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 17, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

November 17, 2016

FOR: Attn: Ms. Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: 48 Hour
P.O.#: 20141268.A9E

Custody Information

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

Date

11/10/16

Time

13:55

Laboratory Data

SDG ID: GBV81391
Phoenix ID: BV81392

Project ID: FAIRFIELD HILLS PLYMOUTH
Client ID: 20161110BH PLYMOUTH CSCLM

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	3450	100	mg/L	1000	11/15/16	LK	SW6010C
TCLP Metals Digestion	Completed				11/14/16	W/W	SW3005A
TCLP Extraction for Metals	Completed				11/11/16	W	SW1311

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 17, 2016

Reviewed and Released by: Ethan Lee, Project Manager



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

November 17, 2016

QA/QC Data

SDG I.D.: GBV81391

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 366620 (mg/L), QC Sample No: BV81443 (BV81391, BV81392)													
<u>ICP Metals - TCLP Extraction</u>													
Lead	BRL	0.010	0.362	0.362	0	107			107			75 - 125	20

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
November 17, 2016

Sample Criteria Exceedances Report
GBV81391 - FOENVIR

Criteria: None
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BV81392	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	3450	100	5	5	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Fuss & O'Neill EnviroScience, LL

Project Location: FAIRFIELD HILLS PLYMOUTH

Project Number:

Laboratory Sample ID(s): BV81391, BV81392

Sampling Date(s): 11/10/2016

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Thursday, November 17, 2016

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



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



RCP Certification Report

November 17, 2016

SDG I.D.: GBV81391

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Lead is reported as requested on the chain of custody.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 11/14/16 13:14

Laura Kinnin, Tina Hall, Chemist 11/14/16

BV81391, BV81392

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 366620 (BV81443)

BV81391, BV81392

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Temperature Narration

The samples were received at 4C with cooling initiated.

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



FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

- ☐ 146 Hartford Road, Manchester, CT 06040
☒ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201

- ☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY

4th Floor + IP

CHAIN-OF-CUSTODY RECORD 36696

PROJECT NAME

Fairfield Hills - Plymouth Hall - Simpson St., Newtown, CT

REPORT TO: Helen Rumsa / K. Readfield

INVOICE TO: S. Owens

P.O. NO. 20141268.A9E

Sampler's Signature: B. Hobbs

Date: 11-10-16

Source Codes:

MW - Monitoring Well

PW - Potable Water

T - Treatment Facility

S - Soil

B - Sediment

SW - Surface Water

ST - Stormwater

A - Air

C - Concrete

N = Other

PROJECT LOCATION

20141268.A9E

Analysis Request

PROJECT NUMBER

Phoenix

Containers

Turnaround

- ☐ 24-Hour* ☐ 72-Hour* ☐ Other (days)
☒ 48-Hour* ☐ Standard (days) *Surcharge Applies

LABORATORY

Soil VOA Val. □ methanol	Other □ NaOH	Water VOA Val. □ As is	Plastic - As is □ As is	Plastic - H ₂ SO ₄ □ 250 ml	Plastic - HNO ₃ □ 250 ml	Plastic - NaOH □ 250 ml	Comments
Class Soil Container (8) □ NaOH	Other □ NaOH	Water VOA Val. □ As is	Plastic - As is □ As is	Plastic - H ₂ SO ₄ □ 250 ml	Plastic - HNO ₃ □ 250 ml	Plastic - NaOH □ 250 ml	81391
Soil VOA Val. □ methanol	Other □ NaOH	Water VOA Val. □ As is	Plastic - As is □ As is	Plastic - H ₂ SO ₄ □ 250 ml	Plastic - HNO ₃ □ 250 ml	Plastic - NaOH □ 250 ml	81392

TLR - Lead

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
1	✓	1 Plymouth - ACM-WFO-CSCM	X	11-10-16	✓
2	✓	1 Plymouth - CSCM	X	11-10-16	✓

Transfer Number	Relinquished By	Accepted By	Date	Time	Charge Exceptions: <input type="checkbox"/> CT Tax Exempt <input type="checkbox"/> QA/QC <input type="checkbox"/> Other ()
1	B. Hobbs	Fro F	11-10-16	1430	
2	Fro F	BSH	11-11-16	1040	
3	BSH			1351	
4		Caradive	11/11/16	1355	

Reporting and Detection Limit Requirements: ☐ RCP Deliverables ☐ MJP CAM Cert.

Additional Comments:

Caradive

Plymouth Hall Total Building Waste Stream without ACM

Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Calculations for Preparing Waste Stream TCPL Sample				Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
					Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)				
Vinyl Floor Tile					1.6				0	0.000%	0.000	1
Roof Flashing/tar						75			0	0.000%	0.000	3
Plywood Roof Deck (3/8-inch)					7.73				0	0.000%	0.000	4
exterior coping stone caulking w/ coping stone					3				0	0.000%	0.000	7
exterior vent caulking w/metal frame					1.2				0	0.000%	0.000	7
Total Window Caulking					8.5				0	0.000%	0.000	7
Total Window Glazing							0.35		0	0.000%	0.000	5
Total Window Sash (metal)							1.44		0	0.000%	0.000	18
Total Window Frame (metal)							0.1		0	0.000%	0.000	18
Total Window Frame (wood)							7.32		0	0.000%	0.000	18
1x1 wall tile					2.3				0	0.000%	0.000	7
cementitious bake-lite					4		0.35		0	0.000%	0.000	5
Cementitious countertops					4				0	0.000%	0.000	6
silver paper insulation paper on light fixture							1.962		0	0.000%	0.000	8
black paper/tar behind window sill							5.0994		0	0.000%	0.000	8
Exterior DP associated w/Concrete Foundation												
Pipe Fitting insulation												
pipe insulation 2"												
Exterior Brick walls-3 course of brick		4850			120				582,000	4.182%	4.391	7
Exterior Brick walls-2 course of brick		17540			80				1,403,200	10.082%	10.586	7
ceiling tiles		19381			2.3				44,576	0.320%	0.336	
Drywall		23153			2				46,306	0.333%	0.349	7
Concrete Walls Foundation	1.3300	5700				144			1,091,664	7.843%	8.236	17
Concrete Foundation Slab	0.5800	26661				144			2,226,727	15.999%	16.798	17
Concrete Floors (2 Floors)	0.5000	36978				144			2,662,416	19.129%	20.085	17
Concrete Beams (2 Floors)	0.5000	36978				144			2,662,416	19.129%	20.085	17
Exterior Concrete Steps/ Entrance	1.0000	80				144			11,520	0.083%	0.087	17
Exterior Concrete Entrance	6.0000	352				144			304,128	2.185%	2.294	17
Exterior Concrete Below Windows	1.0000	321				144			46,224	0.332%	0.349	17
Cinder Block	0.6700	42332			55				2,328,260	16.728%	17.564	7
Wall Plaster-Cement 1" thickness		1120			10				11,200	0.080%	0.084	7
Ceiling Plaster-Cement 1" thickness		39875			10				398,750	2.865%	3.008	7
Plaster Block on Roof Deck	1.0000	4789			10				47,890	0.344%	0.361	
Wood Doors unpainted interior doors				6				191.4	1.148	0.008%	0.009	15
Metal Doors interior painted doors				97				210	20,370	0.146%	0.154	16
LBP Ceramic green and tan wall tile		9523			3.1				29,521	0.212%	0.223	7
Total Waste Steam Weight:									13,918,317	100%	105	

Notes:

- 1) Weight of tile taken from current manufacturers data for similar thickness vinyl tile
 - 2) One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
 - 3) Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
 - 4) Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
 - 5) Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
 - 6) Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
 - 7) Weight per square foot taken from standard building materials reference
 - 8) Assumes asbestos insulation weighs 18 lbs. per cubic foot
 - 9) Assumes a light weight concrete
 - 10) White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
 - 11) Weight of carpet determined for particular carpet
 - 12) Weight per unit estimated
 - 13) Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- 14) Weight per foot calculated assuming pine wood
 - 15) Weight calculated assuming oak wood
 - 16) Weight estimated assuming steel door with interior insulation
 - 17) Weight per cu. ft. from standard reference assuming stone and sand aggregate
 - 18) Weight per foot calculated assuming standard steel
 - 19) Total weight calculated
 - 20) Terracotta block is on the interior or the exterior walls and also forms core of interior walls

Plymouth Hall Total Building Waste Stream without ACM and without Lower Portion of Foundation

Calculations for Preparing Waste Stream TCLP Sample

Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)	Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
Vinyl Floor Tile					1.6				0	0.000%	0.000	1
Roof Flashing/tar						75			0	0.000%	0.000	3
Plywood Roof Deck (3/8-inch)					7.73				0	0.000%	0.000	4
exterior coping stone caulking w/ coping stone					3				0	0.000%	0.000	7
exterior vent caulking w/metal frame					1.2				0	0.000%	0.000	7
Total Window Caulking					8.5				0	0.000%	0.000	5
Total Window Glazing							0.35		0	0.000%	0.000	18
Total Window Sash (metal)							1.44		0	0.000%	0.000	18
Total Window Frame (metal)							0.1		0	0.000%	0.000	18
Total Window Frame (wood)							7.32		0	0.000%	0.000	7
1x1 wall tile					2.3				0	0.000%	0.000	5
Cementitious backer-lite					4		0.35		0	0.000%	0.000	6
Cementitious countertops					4				0	0.000%	0.000	12
silver paper insulation paper on light fixture							1.962		0	0.000%	0.000	8
black paper/tar behind window sill							5.0994		0	0.000%	0.000	8
Exterior DP associated w/Concrete Foundation												
Pipe Fitting insulation												
pipe insulation 2"												
Exterior Brick walls-3 course of brick		4850			120				582,000	5.491%	5.765	7,20
Exterior Brick walls-2 course of brick		17540			80				1,403,200	13.238%	13.900	7
ceiling tiles		19381			2.3				44,576	0.421%	0.442	
Drywall		23153			2				46,306	0.437%	0.459	7
Concrete Floors (2 Floors)	0.5000	36978				144			2,662,416	25.117%	26.373	17
Concrete Beams (2 Floors)	0.5000	36978				144			2,662,416	25.117%	26.373	17
Exterior Concrete Steps/ Entrance	1.0000	80				144			11,520	0.109%	0.114	17
Exterior Concrete Entrance	6.0000	352				144			304,128	2.869%	3.013	7
Exterior Concrete Below Windows	1.0000	321				144			46,224	0.436%	0.458	7
Cinder block	0.6700	42332			55				2,328,260	21.965%	23.063	7
Wall Plaster-Cement 1" thickness		1120			10				11,200	0.106%	0.111	7
Ceiling Plaster-Cement 1" thickness		39875			10				398,750	3.762%	3.950	7,13
Plaster Block on Roof Deck	1.0000	4789			10				47,890	0.452%	0.474	
Wood Doors unpainted interior doors				6				191.4	1,148	0.011%	0.011	15
Metal Doors interior painted doors				97				210	20,370	0.192%	0.202	16
LBP Ceramic green and tan wall tile		9523			3.1				29,521	0.279%	0.292	7
Total Waste Stream Weight:									10,599,926	100%	105	

Notes:

- Weight of tile taken from current manufacturers data for similar thickness vinyl tile
- One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
- Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
- Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
- Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
- Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
- Weight per square foot taken from standard building materials reference
- Assumes asbestos insulation weighs 18 lbs. per cubic foot
- Assumes a light weight concrete
- White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
- Weight of carpet determined for particular carpet
- Weight per unit estimated
- Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- Weight per foot calculated assuming pine wood
- Weight calculated assuming oak wood
- Weight estimated assuming steel door with interior insulation
- Weight per cu. ft. from standard reference assuming stone and sand aggregate
- Weight per foot calculated assuming standard steel
- Total weight calculated
- Terracotta block is on the interior or the exterior walls and also forms core of interior walls

Plymouth Hall Asbestos Waste Stream

Calculations for Preparing Waste Stream TCLP Sample

Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)	Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
Vinyl Floor Tile	0.0156	13,000			1.6				20,800	5.731%	6.018	1
Roof Flashing/tar	0.0333	20000				75			49,950	13.764%	14.452	3
Plywood Roof Deck (3/8-inch)					1.2				0	0.000%	0.000	7
exterior vent caulking w/metal frame			225	4			0.35		79	0.022%	0.023	
Total Window Caulking	0.0417		3040	150			0.35		1,064	0.293%	0.308	5
Total Window Glazing	0.0417		10214	150			0.35		3,575	0.985%	1.034	
Total Window Sash (metal)			5107	150			1.44		7,354	2.026%	2.128	
Total Window Frame (metal)			3040				7.32		22,253	6.132%	6.438	
1x1 wall tile		9000			2.3				20,700	5.704%	5.989	
ceementitious bake-lite	10				4				40	0.011%	0.012	
Cementitious counter tops	135			6	4				540	0.149%	0.156	
silver paper insulation paper on light fixture	1				0.35				0	0.000%	0.000	
black paper/tar behind window sill	450				144				64,800	17.856%	18.749	
Exterior DP associated w/Concrete Foundation	1000				144				144,000	39.680%	41.664	
Pipe Fitting Insulation			1000				1.962		1,962	0.541%	0.568	8
pipe insulation 2"			50				5.0994		255	0.070%	0.074	8
Total Window Glass		10214			2.5				25,535	7.036%	7.388	7
Exterior Brick walls-3 course of brick					120				0	0.000%	0.000	7
Exterior Brick walls-2 course of brick					80				0	0.000%	0.000	7
Drywall					2				0	0.000%	0.000	7
Concrete Walls Foundation	1.3300					144			0	0.000%	0.000	17
Concrete Foundation Slab	0.5800					144			0	0.000%	0.000	17
Concrete Floors (2 Floors)	0.5000					144			0	0.000%	0.000	17
Concrete Beams (2 Floors)	0.5000					144			0	0.000%	0.000	17
Exterior Concrete Trim	1.5000					144			0	0.000%	0.000	17
Exterior Concrete Steps/ Entrance	1.0000					144			0	0.000%	0.000	17
Exterior Concrete Entrance	6.0000					144			0	0.000%	0.000	17
Exterior Concrete Columns				0		144		1608	0	0.000%	0.000	17
Exterior Concrete Below Windows	1.0000					144			0	0.000%	0.000	17
Cinder Block	0.6700				55				0	0.000%	0.000	7
Terrazzo Cove Base/Flooring					7				0	0.000%	0.000	7
Wall Plaster-Cement 1" thickness					10				0	0.000%	0.000	7
Ceiling Plaster-Cement 1" thickness					10				0	0.000%	0.000	7
Wood Doors unpainted interior doors								191.4	0	0.000%	0.000	
Metal Doors interior painted doors								210	0	0.000%	0.000	
IBP Ceramic green and tan wall tile					3.1				0	0.000%	0.000	7
Total Waste Stream Weight:									362,907	100%	105	

Notes:

- Weight of tile taken from current manufacturers data for similar thickness vinyl tile
- One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
- Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
- Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
- Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
- Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
- Weight per square foot taken from standard building materials reference
- Assumes asbestos insulation weighs 18 lbs. per cubic foot
- Assumes a light weight concrete
- White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
- Weight of carpet determined for particular carpet
- Weight per unit estimated
- Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- Weight per foot calculated assuming pine wood
- Weight calculated assuming oak wood
- Weight estimated assuming steel door with interior insulation
- Weight per cu. ft. from standard reference assuming stone and sand aggregate
- Weight per foot calculated assuming standard steel

Plymouth Hall Asbestos Waste Stream
Calculations for Preparing Waste Stream TCLP Sample

Building Component	Thickness (feet)	Area (sq. ft.)	Length (ft.)	Number Units	Weight (lbs./sq. ft.)	Weight (lbs./ cu. ft.)	Weight (lbs./ft.)	Weight Each (lbs.)	Total Weight (lbs.) (of component)	% of Waste Stream Weight	Grams to Yield 105 g. proportionate sample	Notes
coping stone seam caulking	0.0417		978				0.35		342	0.049%	0.052	
lead metal strip	0.5000		978				710		694,380	99.951%	104.948	
Total Waste Stream Weight:									694,722	100%	105	

Notes:

- 1) Weight of tile taken from current manufacturers data for similar thickness vinyl tile
- 2) One tile weighs 0.9 lbs. as weighed in field. One tile is 24/144 of a square foot, therefore tile is 5.4 lbs. per square foot
- 3) Flashing consists of a tar paper coated with tar. Density of tar taken from a standard engineering reference
- 4) Area of roof is calculated using the footprint of the building and assuming a 30% slope of the roof. Tiles are 9" by 18" and weigh 2.9 lbs. or 2.5778 lbs. per square foot. Tiles overlap on sides and ends so that there are three layers at all locations for a total of 7.73 lbs. per square foot
- 5) Assume glazing is weight of chalk which is the primary component. Weight of chalk taken from standard engineering reference
- 6) Weight of ceramic tile per square foot taken from standard engineering reference for 0.25 in thick tile and checked against density of ceramic material
- 7) Weight per square foot taken from standard building materials reference
- 8) Assumes asbestos insulation weighs 18 lbs. per cubic foot
- 9) Assumes a light weight concrete
- 10) White wire caulking in drinking water fountains is insignificant due to the small amount - see report photo
- 11) Weight of carpet determined for particular carpet
- 12) Weight per unit estimated
- 13) Weight per square foot is of beams weight per square foot of roof
- Red building components are components with lead-based paint
- 14) Weight per foot calculated assuming pine wood
- 15) Weight calculated assuming oak wood
- 16) Weight estimated assuming steel door with interior insulation
- 17) Weight per cu. ft. from standard reference assuming stone and sand aggregate
- 18) Weight per foot calculated assuming standard steel

Appendix G

PCB Laboratory Analytical Reports and Chain-of-Custody Forms

December 8, 2015

Kevin McCarthy
Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611

Project Location: Fairfield Hills-Cochran House
Client Job Number:
Project Number: 20141268.B1E
Laboratory Work Order Number: 15L0187

Enclosed are results of analyses for samples received by the laboratory on December 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is displayed on a light gray rectangular background.

Lisa A. Worthington
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
15L0187-01	5
15L0187-02	6
15L0187-03	7
15L0187-04	8
15L0187-05	9
15L0187-06	10
15L0187-07	11
15L0187-08	12
15L0187-09	13
15L0187-10	14
15L0187-11	15
15L0187-12	16
Sample Preparation Information	17
QC Data	18
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	18
B136824	18
Dual Column RPD Report	19
Flag/Qualifier Summary	21
Certifications	22
Chain of Custody/Sample Receipt	23

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

Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611
ATTN: Kevin McCarthy

REPORT DATE: 12/8/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20141268.B1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L0187

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

PROJECT LOCATION: Fairfield Hills-Cochran House

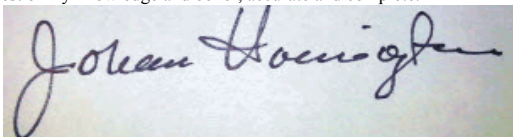
FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1201BH-EWC-01A	15L0187-01	Caulk	ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-01B	15L0187-02	Caulk	ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-01C	15L0187-03	Caulk	ext window systems- gray caulking	SW-846 8082A	
1201BH-EWG-01A	15L0187-04	Caulk	ext window systems- gray glazing	SW-846 8082A	
1201BH-EWG-01B	15L0187-05	Caulk	ext window systems- gray glazing	SW-846 8082A	
1201BH-EWG-01C	15L0187-06	Caulk	ext window systems- gray glazing	SW-846 8082A	
1201BH-EDC-01A	15L0187-07	Caulk	ext wood door systems- gray caulking	SW-846 8082A	
1201BH-EDC-01B	15L0187-08	Caulk	ext wood door systems- gray caulking	SW-846 8082A	
1201BH-EDC-01C	15L0187-09	Caulk	ext wood door systems- gray caulking	SW-846 8082A	
1201BH-CSC-01A	15L0187-10	Caulk	coping stone at ext roof systems- gray caulking	SW-846 8082A	
1201BH-CSC-01B	15L0187-11	Caulk	coping stone at ext roof systems- gray caulking	SW-846 8082A	
1201BH-CSC-01C	15L0187-12	Caulk	coping stone at ext roof systems- gray caulking	SW-846 8082A	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Johanna Harrington", is written over a light-colored, slightly textured background.

Johanna K. Harrington

Manager, Laboratory Reporting

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext window systems- gray caulking

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1221 [2]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1254 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.5	30-150							
Decachlorobiphenyl [2]	76.7	30-150							
Tetrachloro-m-xylene [1]	88.6	30-150							
Tetrachloro-m-xylene [2]	84.3	30-150							

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext window systems- gray caulking

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1221 [2]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.3	30-150						12/8/15 10:00	
Decachlorobiphenyl [2]	93.0	30-150						12/8/15 10:00	
Tetrachloro-m-xylene [1]	96.8	30-150						12/8/15 10:00	
Tetrachloro-m-xylene [2]	92.7	30-150						12/8/15 10:00	

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext window systems- gray caulking

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.6	30-150						12/8/15 10:18	
Decachlorobiphenyl [2]	81.4	30-150						12/8/15 10:18	
Tetrachloro-m-xylene [1]	83.9	30-150						12/8/15 10:18	
Tetrachloro-m-xylene [2]	79.7	30-150						12/8/15 10:18	

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext window systems- gray glazing

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1221 [2]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.9	30-150						12/8/15 10:36	
Decachlorobiphenyl [2]	85.7	30-150						12/8/15 10:36	
Tetrachloro-m-xylene [1]	94.5	30-150						12/8/15 10:36	
Tetrachloro-m-xylene [2]	91.0	30-150						12/8/15 10:36	

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext window systems- gray glazing

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1221 [2]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	112	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext window systems- gray glazing

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	107	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	105	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext wood door systems- gray caulking

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EDC-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1221 [2]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.3	30-150							
Decachlorobiphenyl [2]	83.5	30-150							
Tetrachloro-m-xylene [1]	83.3	30-150							
Tetrachloro-m-xylene [2]	79.8	30-150							

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext wood door systems- gray caulking

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EDC-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1221 [2]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	53.9	30-150						12/8/15 12:06	
Decachlorobiphenyl [2]	53.3	30-150						12/8/15 12:06	
Tetrachloro-m-xylene [1]	43.8	30-150						12/8/15 12:06	
Tetrachloro-m-xylene [2]	41.8	30-150						12/8/15 12:06	

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

Project Location: Fairfield Hills-Cochran House

Sample Description: ext wood door systems- gray caulking

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EDC-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1221 [2]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						12/8/15 12:24	
Decachlorobiphenyl [2]	103	30-150						12/8/15 12:24	
Tetrachloro-m-xylene [1]	100	30-150						12/8/15 12:24	
Tetrachloro-m-xylene [2]	96.9	30-150						12/8/15 12:24	

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

Project Location: Fairfield Hills-Cochran House

Sample Description: coping stone at ext roof systems- gray

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-CSC-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.7	30-150							
Decachlorobiphenyl [2]	91.8	30-150							
Tetrachloro-m-xylene [1]	91.7	30-150							
Tetrachloro-m-xylene [2]	88.6	30-150							

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

Project Location: Fairfield Hills-Cochran House

Sample Description: coping stone at ext roof systems- gray

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-CSC-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1221 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150						12/8/15 13:00	
Decachlorobiphenyl [2]	93.0	30-150						12/8/15 13:00	
Tetrachloro-m-xylene [1]	93.5	30-150						12/8/15 13:00	
Tetrachloro-m-xylene [2]	90.4	30-150						12/8/15 13:00	

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

Project Location: Fairfield Hills-Cochran House

Sample Description: coping stone at ext roof systems- gray

Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-CSC-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0187-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1221 [2]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.9	30-150							
Decachlorobiphenyl [2]	98.4	30-150							
Tetrachloro-m-xylene [1]	97.2	30-150							
Tetrachloro-m-xylene [2]	94.0	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15L0187-01 [1201BH-EWC-01A]	B136824	0.577	10.0	12/03/15
15L0187-02 [1201BH-EWC-01B]	B136824	0.527	10.0	12/03/15
15L0187-03 [1201BH-EWC-01C]	B136824	0.592	10.0	12/03/15
15L0187-04 [1201BH-EWG-01A]	B136824	0.524	10.0	12/03/15
15L0187-05 [1201BH-EWG-01B]	B136824	0.544	10.0	12/03/15
15L0187-06 [1201BH-EWG-01C]	B136824	0.586	10.0	12/03/15
15L0187-07 [1201BH-EDC-01A]	B136824	0.500	10.0	12/03/15
15L0187-08 [1201BH-EDC-01B]	B136824	0.517	10.0	12/03/15
15L0187-09 [1201BH-EDC-01C]	B136824	0.516	10.0	12/03/15
15L0187-10 [1201BH-CSC-01A]	B136824	0.584	10.0	12/03/15
15L0187-11 [1201BH-CSC-01B]	B136824	0.507	10.0	12/03/15
15L0187-12 [1201BH-CSC-01C]	B136824	0.522	10.0	12/03/15

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B136824 - SW-846 3540C
Blank (B136824-BLK1)

Prepared: 12/03/15 Analyzed: 12/08/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.00		mg/Kg	4.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.96		mg/Kg	4.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	3.85		mg/Kg	4.00		96.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.77		mg/Kg	4.00		94.3	30-150			

LCS (B136824-BS1)

Prepared: 12/03/15 Analyzed: 12/08/15

Aroclor-1016	3.8	0.20	mg/Kg	4.00		94.1	40-140			
Aroclor-1016 [2C]	3.6	0.20	mg/Kg	4.00		90.0	40-140			
Aroclor-1260	3.7	0.20	mg/Kg	4.00		92.6	40-140			
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		93.0	40-140			
Surrogate: Decachlorobiphenyl	3.90		mg/Kg	4.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.88		mg/Kg	4.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.81		mg/Kg	4.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.69		mg/Kg	4.00		92.3	30-150			

LCS Dup (B136824-BSD1)

Prepared: 12/03/15 Analyzed: 12/08/15

Aroclor-1016	3.5	0.20	mg/Kg	4.00		88.0	40-140	6.75	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		85.3	40-140	5.44	30	
Aroclor-1260	3.4	0.20	mg/Kg	4.00		84.4	40-140	9.29	30	
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		84.3	40-140	9.77	30	
Surrogate: Decachlorobiphenyl	3.54		mg/Kg	4.00		88.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.51		mg/Kg	4.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.57		mg/Kg	4.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.49		mg/Kg	4.00		87.3	30-150			

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B136824-BS1 Date(s) Analyzed: 12/08/2015 12/08/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	3.6	5
Aroclor-1260	1	0.00	0.00	0.00	3.7	
	2	0.00	0.00	0.00	3.7	0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B136824-BSD1 Date(s) Analyzed: 12/08/2015 12/08/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.4	3
Aroclor-1260	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.4	1

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

FLAG/QUALIFIER SUMMARY

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

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

No results have been blank subtracted unless specified in the case narrative section.

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

CERTIFICATIONS

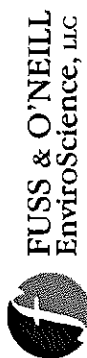
Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016



56 Quarry Road, Trumbull, CT 06611

www.fando.com

(203) 374-3748 Fax (203) 374-4391

1560187

PCB Bulk Sample Chain of Custody Form

Sheet 1 of 2

Project Name: Fairfield Hills - Cochran House Project Number: 20141268.B1E Date: December 2, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building Name: Cochran House Project Manager: Kevin McCarthy

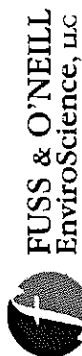
Sample ID	Sample Location	Material	Substrate(s)
01 1201BH-EWC-01A	Exterior Window Systems	Gray Exterior Window Caulking	Brick
02 1201BH-EWC-01B	Exterior Window Systems	Gray Exterior Window Caulking	Brick
03 1201BH-EWC-01C	Exterior Window Systems	Gray Exterior Window Caulking	Brick
04 1201BH-EWG-01A	Exterior Window Systems	Gray Exterior Window Glazing	Metal
05 1201BH-EWG-01B	Exterior Window Systems	Gray Exterior Window Glazing	Metal
06 1201BH-EWG-01C	Exterior Window Systems	Gray Exterior Window Glazing	Metal
07 1201BH-EDC-01A	Exterior Wood Door Systems	Gray Exterior Door Caulking	Brick
08 1201BH-EDC-01B	Exterior Wood Door Systems	Gray Exterior Door Caulking	Brick
09 1201BH-EDC-01C	Exterior Wood Door Systems	Gray Exterior Door Caulking	Brick
10 1201BH-CSC-01A	Coping Stone at Exterior Roof Systems	Gray Coping Stone Seam Caulking	Concrete

Analysis Method: EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis) Laboratory: Con-Test Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: <u>B. Hobbins</u>	Contact Info: <u>jhobbins@fando.com</u>	Date: <u>12-01-15</u>	Time: <u></u>
Relinquished [By][To] [<u>BH</u>]	[<u>F to Fridge</u>]	Date: <u>12-2-15</u>	Time: <u>1600</u>
Relinquished [By][To] [<u>F to F</u>]	[<u>SB</u>]	Date: <u>12-3-15</u>	Time: <u></u>
Relinquished [By][To] [<u>SB</u>]	[<u>R Seam</u>]	Date: <u>12-3-15</u>	Time: <u>12:20</u>
Relinquished [By][To] [<u>R Seam</u>]	[<u>Relinquished 24.5</u>]	Date: <u>12-3-15</u>	Time: <u>12:40</u>



56 Quarry Road, Trumbull, CT 06611

www.fando.com
(203) 374-3748 Fax (203) 374-4391

1560187

PCB Bulk Sample Chain of Custody Form

Sheet 2 of 2

Project Name: Fairfield Hills - Plymouth Hall Project Number: 20141268-A9E Date: December 2, 2015

Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: Kevin McCarthy

Sample ID	Sample Location	Material	Substrate(s)
1201BH-CSC-01B	Coping Stone at Exterior Roof Systems	Gray Coping Stone Seam Caulking	Concrete
1201BH-CSC-01C	Coping Stone at Exterior Roof Systems	Gray Coping Stone Seam Caulking	Concrete

Analysis Method: EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis) Laboratory: Con-Test Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By:	<u>B. Hobbins BH</u>	Contact Info:	<u>jhobbins@fando.com</u>	Date:	<u>12-01-15</u>	Time:	
Relinquished [By]/[To]	[<u>BH</u>]		[<u>F to Fridlye</u>]	Date:	<u>12-2-15</u>	Time:	
Relinquished [By]/[To]	[<u>F to F</u>]		[<u>BH</u>]	Date:	<u>12-3-15</u>	Time:	
Relinquished [By]/[To]	[<u>BH</u>]		[<u>R Sean</u>]	Date:	<u>12-3-15</u>	Time:	<u>12:20</u>
Relinquished [By]/[To]	[<u>R Sean</u>]		[<u>William J. J. J.</u>]	Date:	<u>12-3-15</u>	Time:	<u>16:40</u>

Q:\EnviroScience\Admin\FORMS\PCBs\July 2014 Revised COC Forms\Trumbull

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



Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neill RECEIVED BY: RLF DATE: 12/3/15

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

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C

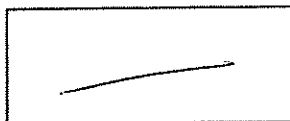
5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:



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

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>12</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	T		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

PLF 12/3/15 1640


December 8, 2015

Kevin McCarthy
Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611

Project Location: Fairfield Hills-Plymouth Hall
Client Job Number:
Project Number: 20141268.B1E
Laboratory Work Order Number: 15L0189

Enclosed are results of analyses for samples received by the laboratory on December 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is displayed on a light gray rectangular background.

Lisa A. Worthington
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
15L0189-01	6
15L0189-02	7
15L0189-03	8
15L0189-04	9
15L0189-05	10
15L0189-06	11
15L0189-07	12
15L0189-08	13
15L0189-09	14
15L0189-10	15
15L0189-11	16
15L0189-12	17
15L0189-13	18
15L0189-14	19
15L0189-15	20
15L0189-16	21
15L0189-17	22
15L0189-18	23
15L0189-19	24
15L0189-20	25
Sample Preparation Information	26
QC Data	27

Table of Contents (continued)

Polychlorinated Biphenyls with 3540 Soxhlet Extraction	27
B136823	27
Dual Column RPD Report	28
Flag/Qualifier Summary	32
Certifications	33
Chain of Custody/Sample Receipt	34

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

Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611
ATTN: Kevin McCarthy

REPORT DATE: 12/8/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20141268.B1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L0189

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

PROJECT LOCATION: Fairfield Hills-Plymouth Hall

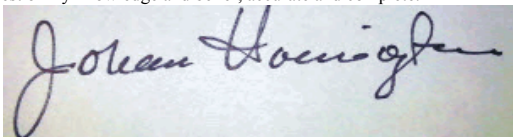
FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1201BH-EWC-01A	15L0189-01	Caulk	gym ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-01B	15L0189-02	Caulk	gym ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-01C	15L0189-03	Caulk	gym ext window systems- gray caulking	SW-846 8082A	
1201BH-EWG-01A	15L0189-04	Caulk	gym ext window systems- gray glazing	SW-846 8082A	
1201BH-EWG-01B	15L0189-05	Caulk	gym ext window systems- gray glazing	SW-846 8082A	
1201BH-EWG-01C	15L0189-06	Caulk	gym ext window systems- gray glazing	SW-846 8082A	
1201BH-IWG/EWG-01A	15L0189-07	Caulk	main bldg ext window systems- gray glazing	SW-846 8082A	
1201BH-IWG/EWG-01B	15L0189-08	Caulk	main bldg ext window systems- gray glazing	SW-846 8082A	
1201BH-IWG/EWG-01C	15L0189-09	Caulk	main bldg ext window systems- gray glazing	SW-846 8082A	
1201BH-EWC-02A	15L0189-10	Caulk	main bldg ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-02B	15L0189-11	Caulk	main bldg ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-02C	15L0189-12	Caulk	main bldg ext window systems- gray caulking	SW-846 8082A	
1201BH-IDWG/EDWG-01A	15L0189-13	Caulk	ext basement door system- gray glazing	SW-846 8082A	
1201BH-ISWG/EDWG-01B	15L0189-14	Caulk	ext basement door system- gray glazing	SW-846 8082A	
1201BH-EVC-01A	15L0189-15	Caulk	ext vent systems- gray caulking	SW-846 8082A	
1201BH-EVC-01B	15L0189-16	Caulk	ext vent systems- gray caulking	SW-846 8082A	
1201BH-EVC-01C	15L0189-17	Caulk	ext vent systems- gray caulking	SW-846 8082A	
1021BH-CS-caulk-01A	15L0189-18	Caulk	coping stone at flat roof systems- gray caulking	SW-846 8082A	
1201BH-CS-caulk-01B	15L0189-19	Caulk	coping stone at flat roof systems- gray caulking	SW-846 8082A	
1201BH-CD-caulk-01C	15L0189-20	Caulk	coping stone at flat roof systems- gray caulking	SW-846 8082A	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in dark ink, appearing to read "Johanna Harrington", is written over a light-colored, slightly textured background.

Johanna K. Harrington

Manager, Laboratory Reporting

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: gym ext window systems- gray caulkin

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1221 [2]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/7/15 23:56	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.1	30-150							
Decachlorobiphenyl [2]	68.5	30-150							
Tetrachloro-m-xylene [1]	64.0	30-150							
Tetrachloro-m-xylene [2]	61.4	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: gym ext window systems- gray caulkin

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1221 [2]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.4	30-150							
Decachlorobiphenyl [2]	81.2	30-150							
Tetrachloro-m-xylene [1]	73.0	30-150							
Tetrachloro-m-xylene [2]	70.0	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: gym ext window systems- gray caulkin

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1221 [2]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1248 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1254 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:37	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.7	30-150						12/8/15 13:37	
Decachlorobiphenyl [2]	76.1	30-150						12/8/15 13:37	
Tetrachloro-m-xylene [1]	54.9	30-150						12/8/15 13:37	
Tetrachloro-m-xylene [2]	52.3	30-150						12/8/15 13:37	

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: gym ext window systems- gray glazing

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1221 [2]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 0:50	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.2	30-150							
Decachlorobiphenyl [2]	87.0	30-150							
Tetrachloro-m-xylene [1]	77.2	30-150							
Tetrachloro-m-xylene [2]	74.4	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: gym ext window systems- gray glazing

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1221 [2]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:08	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.2	30-150						12/8/15 1:08	
Decachlorobiphenyl [2]	90.9	30-150						12/8/15 1:08	
Tetrachloro-m-xylene [1]	81.9	30-150						12/8/15 1:08	
Tetrachloro-m-xylene [2]	78.6	30-150						12/8/15 1:08	

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: gym ext window systems- gray glazing

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1221 [2]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1254 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:26	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.5	30-150							
Decachlorobiphenyl [2]	69.8	30-150							
Tetrachloro-m-xylene [1]	71.7	30-150							
Tetrachloro-m-xylene [2]	68.9	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: main bldg ext window systems- gray g

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-IWG/EWG-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1221 [2]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 1:44	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.2	30-150						12/8/15 1:44	
Decachlorobiphenyl [2]	86.6	30-150						12/8/15 1:44	
Tetrachloro-m-xylene [1]	75.4	30-150						12/8/15 1:44	
Tetrachloro-m-xylene [2]	72.4	30-150						12/8/15 1:44	

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: main bldg ext window systems- gray g

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-IWG/EWG-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1221 [2]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1248 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1254 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1260 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 2:02	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.3	30-150							
Decachlorobiphenyl [2]	91.0	30-150							
Tetrachloro-m-xylene [1]	77.8	30-150							
Tetrachloro-m-xylene [2]	75.0	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: main bldg ext window systems- gray g

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-IWG/EWG-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1221 [2]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:09	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.1	30-150							
Decachlorobiphenyl [2]	85.2	30-150							
Tetrachloro-m-xylene [1]	78.3	30-150							
Tetrachloro-m-xylene [2]	75.1	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: main bldg ext window systems- gray c:

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-02A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1221 [2]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.9	30-150							
Decachlorobiphenyl [2]	89.5	30-150							
Tetrachloro-m-xylene [1]	83.0	30-150							
Tetrachloro-m-xylene [2]	79.8	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: main bldg ext window systems- gray c:

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-02B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1221 [2]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1254 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 3:45	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.8	30-150							
Decachlorobiphenyl [2]	74.6	30-150							
Tetrachloro-m-xylene [1]	68.1	30-150							
Tetrachloro-m-xylene [2]	65.0	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: main bldg ext window systems- gray c:

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-02C

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:03	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.6	30-150							
Decachlorobiphenyl [2]	90.4	30-150							
Tetrachloro-m-xylene [1]	81.6	30-150							
Tetrachloro-m-xylene [2]	78.6	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: ext basement door system- gray glazin

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-IDWG/EDWG-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1221 [2]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1232 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1242 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1248 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1254 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1260 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1262 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Aroclor-1268 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:21	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.9	30-150							
Decachlorobiphenyl [2]	75.2	30-150							
Tetrachloro-m-xylene [1]	77.1	30-150							
Tetrachloro-m-xylene [2]	74.3	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: ext basement door system- gray glazin

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-ISWG/EDWG-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1221 [2]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1254 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:40	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.3	30-150							
Decachlorobiphenyl [2]	92.4	30-150							
Tetrachloro-m-xylene [1]	82.1	30-150							
Tetrachloro-m-xylene [2]	79.0	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: ext vent systems- gray caulking

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EVC-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1221 [2]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1254 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 4:58	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.8	30-150						12/8/15 4:58	
Decachlorobiphenyl [2]	78.0	30-150						12/8/15 4:58	
Tetrachloro-m-xylene [1]	72.8	30-150						12/8/15 4:58	
Tetrachloro-m-xylene [2]	70.0	30-150						12/8/15 4:58	

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: ext vent systems- gray caulking

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EVC-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1221 [2]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150							
Decachlorobiphenyl [2]	90.9	30-150							
Tetrachloro-m-xylene [1]	80.5	30-150							
Tetrachloro-m-xylene [2]	77.4	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: ext vent systems- gray caulking

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-EVC-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-17

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1221 [2]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:55	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.0	30-150						12/8/15 13:55	
Decachlorobiphenyl [2]	77.7	30-150						12/8/15 13:55	
Tetrachloro-m-xylene [1]	58.7	30-150						12/8/15 13:55	
Tetrachloro-m-xylene [2]	56.4	30-150						12/8/15 13:55	

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: coping stone at flat roof systems- gray

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1021BH-CS-caulk-01A

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-18

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1221 [2]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1248 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1254 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 5:52	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.6	30-150							
Decachlorobiphenyl [2]	90.0	30-150							
Tetrachloro-m-xylene [1]	81.0	30-150							
Tetrachloro-m-xylene [2]	78.3	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: coping stone at flat roof systems- gray

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-CS-caulk-01B

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-19

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1221 [2]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1254 [2]	0.88	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:10	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.1	30-150							
Decachlorobiphenyl [2]	86.3	30-150							
Tetrachloro-m-xylene [1]	76.1	30-150							
Tetrachloro-m-xylene [2]	70.1	30-150							

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

Project Location: Fairfield Hills-Plymouth Hall

Sample Description: coping stone at flat roof systems- gray

Work Order: 15L0189

Date Received: 12/3/2015

Field Sample #: 1201BH-CD-caulk-01C

Sampled: 12/2/2015 00:00

Sample ID: 15L0189-20

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1221 [2]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1254 [2]	1.9	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 6:28	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.9	30-150							
Decachlorobiphenyl [2]	91.7	30-150							
Tetrachloro-m-xylene [1]	84.1	30-150							
Tetrachloro-m-xylene [2]	81.0	30-150							

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

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15L0189-01 [1201BH-EWC-01A]	B136823	0.517	10.0	12/03/15
15L0189-02 [1201BH-EWC-01B]	B136823	0.503	10.0	12/03/15
15L0189-03 [1201BH-EWC-01C]	B136823	0.573	10.0	12/03/15
15L0189-04 [1201BH-EWG-01A]	B136823	0.523	10.0	12/03/15
15L0189-05 [1201BH-EWG-01B]	B136823	0.536	10.0	12/03/15
15L0189-06 [1201BH-EWG-01C]	B136823	0.567	10.0	12/03/15
15L0189-07 [1201BH-IWG/EWG-01A]	B136823	0.518	10.0	12/03/15
15L0189-08 [1201BH-IWG/EWG-01B]	B136823	0.565	10.0	12/03/15
15L0189-09 [1201BH-IWG/EWG-01C]	B136823	0.543	10.0	12/03/15
15L0189-10 [1201BH-EWC-02A]	B136823	0.533	10.0	12/03/15
15L0189-11 [1201BH-EWC-02B]	B136823	0.577	10.0	12/03/15
15L0189-12 [1201BH-EWC-02C]	B136823	0.585	10.0	12/03/15
15L0189-13 [1201BH-IDWG/EDWG-01A]	B136823	0.547	10.0	12/03/15
15L0189-14 [1201BH-ISWG/EDWG-01B]	B136823	0.535	10.0	12/03/15
15L0189-15 [1201BH-EVC-01A]	B136823	0.579	10.0	12/03/15
15L0189-16 [1201BH-EVC-01B]	B136823	0.543	10.0	12/03/15
15L0189-17 [1201BH-EVC-01C]	B136823	0.541	10.0	12/03/15
15L0189-18 [1021BH-CS-caulk-01A]	B136823	0.575	10.0	12/03/15
15L0189-19 [1201BH-CS-caulk-01B]	B136823	0.582	10.0	12/03/15
15L0189-20 [1201BH-CD-caulk-01C]	B136823	0.583	10.0	12/03/15

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

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B136823 - SW-846 3540C
Blank (B136823-BLK1)

Prepared: 12/03/15 Analyzed: 12/07/15

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.04		mg/Kg	4.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.97		mg/Kg	4.00		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.85		mg/Kg	4.00		96.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.75		mg/Kg	4.00		93.7	30-150			

LCS (B136823-BS1)

Prepared: 12/03/15 Analyzed: 12/07/15

Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.2	40-140			
Aroclor-1016 [2C]	3.6	0.20	mg/Kg	4.00		91.0	40-140			
Aroclor-1260	3.9	0.20	mg/Kg	4.00		96.7	40-140			
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		95.7	40-140			
Surrogate: Decachlorobiphenyl	4.17		mg/Kg	4.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.11		mg/Kg	4.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	3.86		mg/Kg	4.00		96.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.75		mg/Kg	4.00		93.8	30-150			

LCS Dup (B136823-BSD1)

Prepared: 12/03/15 Analyzed: 12/07/15

Aroclor-1016	4.1	0.20	mg/Kg	4.00		102	40-140	4.55	30	
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		95.8	40-140	5.12	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		99.2	40-140	2.51	30	
Aroclor-1260 [2C]	3.9	0.20	mg/Kg	4.00		97.9	40-140	2.31	30	
Surrogate: Decachlorobiphenyl	4.19		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.14		mg/Kg	4.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	4.16		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.03		mg/Kg	4.00		101	30-150			

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****1201BH-CS-caulk-01B***SW-846 8082A*

Lab Sample ID: 15L0189-19 Date(s) Analyzed: 12/08/2015 12/08/2015
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	0.84	
	2	0.00	0.00	0.00	0.88	4.8

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***1201BH-CD-caulk-01C**

Lab Sample ID: 15L0189-20 Date(s) Analyzed: 12/08/2015 12/08/2015
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	0.00	0.00	1.7	
	2	0.00	0.00	0.00	1.9	8.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B136823-BS1 Date(s) Analyzed: 12/07/2015 12/07/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	3.6	8
Aroclor-1260	1	0.00	0.00	0.00	3.9	
	2	0.00	0.00	0.00	3.8	2

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B136823-BSD1 Date(s) Analyzed: 12/07/2015 12/07/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	4.1	
	2	0.00	0.00	0.00	3.8	7
Aroclor-1260	1	0.00	0.00	0.00	4.0	
	2	0.00	0.00	0.00	3.9	2

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

FLAG/QUALIFIER SUMMARY

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

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

No results have been blank subtracted unless specified in the case narrative section.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

150189

PCB Bulk Sample Chain of Custody Form

Sheet 1 of 2

Project Name: Fairfield Hills - Plymouth Hall Project Number: 20141268-A9E Date: December 2, 2015
Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: Kevin McCarthy

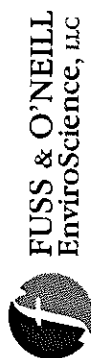
Sample ID	Sample Location	Material	Substrate(s)
1201BH-EWC-01A	Gymnasium Exterior Window Systems	Gray Exterior Window Caulking	Brick
1201BH-EWC-01B	Gymnasium Exterior Window Systems	Gray Exterior Window Caulking	Brick
1201BH-EWC-01C	Gymnasium Exterior Window Systems	Gray Exterior Window Caulking	Brick
1201BH-EWG-01A	Gymnasium Exterior Window Systems	Gray Exterior Window Glazing	Brick
1201BH-EWG-01B	Gymnasium Exterior Window Systems	Gray Exterior Window Glazing	Brick
1201BH-EWG-01C	Gymnasium Exterior Window Systems	Gray Exterior Window Glazing	Brick
1201BH-IWG/EWG-01A	Main Building Exterior Window Systems	Gray Interior/Exterior Window Glazing	Metal
1201BH-IWG/EWG-01B	Main Building Exterior Window Systems	Gray Interior/Exterior Window Glazing	Metal
1201BH-IWG/EWG-01C	Main Building Exterior Window Systems	Gray Interior/Exterior Window Glazing	Metal
1201BH-EWC-02A	Main Building Exterior Window Systems	Gray Exterior Window Caulking	Brick

Analysis Method: EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis) Laboratory: Con-Test Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: B. Hobbins Contact Info: jhobbins@fando.com Date: 12-01-15 Time: 1600
Relinquished [By][To] BH Fto Fridge Date: 12-2-15 Time: 1600
Relinquished [By][To] Fto SBlen Date: 12-3-15 Time: 1220
Relinquished [By][To] SBlen R Sean Date: 12-3-15 Time: 1640
Relinquished [By][To] R Sean Relinquished 24c Date: 12-3-15 Time: 1640



56 Quarry Road, Trumbull, CT 06611

1560189

www.fando.com
(203) 374-3748 Fax (203) 374-4391

PCB Bulk Sample Chain of Custody Form

Sheet 2 of 2

Project Name: Fairfield Hills - Plymouth Hall Project Number: 20141268-A9E Date: December 2, 2015

Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: Kevin McCarthy

Sample ID	Sample Location	Material	Substrate(s)
11 1201BH-EWC-02B	Main Building Exterior Window Systems	Gray Exterior Window Caulking	Brick
12 1201BH-EWC-02C	Main Building Exterior Window Systems	Gray Exterior Window Caulking	Brick
13 1201BH-IDWG/EDWG-01A	Exterior Basement Door System	Gray Interior/Exterior Door Window Glazing	Metal
14 1201BH-IDWG/EDWG-01B	Exterior Basement Door System	Gray Interior/Exterior Door Window Glazing	Metal
15 1201BH-EVC-01A	Exterior Vent Systems	Gray Exterior Vent Caulking	Brick
16 1201BH-EVC-01B	Exterior Vent Systems	Gray Exterior Vent Caulking	Brick
17 1201BH-EVC-01C	Exterior Vent Systems	Gray Exterior Vent Caulking	Brick
18 1201BH-CS-Caulk-01A	Coping Stone at Flat Roof Systems	Gray Exterior Coping Stone Seam Caulking	Concrete
19 1201BH-CS-Caulk-01B	Coping Stone at Flat Roof Systems	Gray Exterior Coping Stone Seam Caulking	Concrete
20 1201BH-CS-Caulk-01C	Coping Stone at Flat Roof Systems	Gray Exterior Coping Stone Seam Caulking	Concrete

Analysis Method: EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis) Laboratory: Con-Test Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: B. Hobbins Contact Info: jhobbins@fando.com Date: 12-01-15 Time: 1600

Relinquished [By][To] | BH | Fto Fridge | Date: 12-2-15 Time: 1600

Relinquished [By][To] | Fto F | SBlen | Date: 12-3-15 Time: 1220

Relinquished [By][To] | SBlen | R Sen | Date: 12-3-15 Time: 1640

Relinquished [By][To] | R Sen | Relinquished 2.4°C | Date: 12-3-15 Time: 1640

Q:\EnviroScience\Adm\Forms\PCBs\July 2014 Revised COC Forms\Trumbull

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



Page 1 of 2



Sample Receipt Checklist

CLIENT NAME ROSS & O'NEILL RECEIVED BY: RLT DATE: 12/3/15

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

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: _____

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

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>20</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Doc# 277

Rev. 4 August 2013

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	T		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials:

Date/Time:

Date/Time:

RLF 12/3/15 1640

December 21, 2015

Kevin McCarthy
Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611

Project Location: Fairfield Hills- Plymouth Hall
Client Job Number:
Project Number: 20141268.A9E
Laboratory Work Order Number: 15L0783

Enclosed are results of analyses for samples received by the laboratory on December 15, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is displayed on a light gray rectangular background.

Lisa A. Worthington
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
15L0783-01	5
Sample Preparation Information	6
QC Data	7
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	7
B137958	7
Dual Column RPD Report	8
Flag/Qualifier Summary	10
Certifications	11
Chain of Custody/Sample Receipt	12

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

Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611
ATTN: Kevin McCarthy

REPORT DATE: 12/21/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20141268.A9E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L0783

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

PROJECT LOCATION: Fairfield Hills- Plymouth Hall

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20151210BH-CSC-AS-CONCRETE-01	15L0783-01	Concrete		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Tod Kopyscinski", written in a cursive style.

Tod E. Kopyscinski
Laboratory Director

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

Project Location: Fairfield Hills- Plymouth Hall

Sample Description:

Work Order: 15L0783

Date Received: 12/15/2015

Field Sample #: 20151210BH-CSC-AS-CONCRETE-0

Sampled: 12/10/2015 00:00

Sample ID: 15L0783-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	12/17/15	12/19/15 22:21	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.8	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15L0783-01 [20151210BH-CSC-AS-CONCRETE-01]	B137958	2.15	10.0	12/17/15

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B137958 - SW-846 3540C

Blank (B137958-BLK1)

Prepared: 12/17/15 Analyzed: 12/19/15

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.876		mg/Kg	1.00		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.882		mg/Kg	1.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.926		mg/Kg	1.00		92.6	30-150			

LCS (B137958-BS1)

Prepared: 12/17/15 Analyzed: 12/19/15

Aroclor-1016	0.30	0.10	mg/Kg	0.250		119	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140			
Surrogate: Decachlorobiphenyl	0.902		mg/Kg	1.00		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.912		mg/Kg	1.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.947		mg/Kg	1.00		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.954		mg/Kg	1.00		95.4	30-150			

LCS Dup (B137958-BSD1)

Prepared: 12/17/15 Analyzed: 12/19/15

Aroclor-1016	0.32	0.10	mg/Kg	0.250		128	40-140	7.56	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	1.94	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		113	40-140	3.28	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		116	40-140	3.45	30	
Surrogate: Decachlorobiphenyl	0.924		mg/Kg	1.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.929		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.959		mg/Kg	1.00		95.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.968		mg/Kg	1.00		96.8	30-150			

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B137958-BS1 Date(s) Analyzed: 12/19/2015 12/19/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.28	6
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.28	2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**Lab Sample ID: B137958-BSD1 Date(s) Analyzed: 12/19/2015 12/19/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.29	10
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.29	2

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

FLAG/QUALIFIER SUMMARY

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

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

No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC
Aroclor-1262 [2C]	NY,NC
Aroclor-1268	NY,NC
Aroclor-1268 [2C]	NY,NC

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

PCB Substrate Sample Chain of Custody Form

1570783

Sheet 1 of 1

Project Name: Fairfield Hills – Plymouth Hall Project Number: 20141268.A9E Date: December 10, 2015

Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall
Project Manager: Kevin McCarthy

Sample ID	Sample Location	Associated PCB Material (PCB Content)	Substrate	Distance/Depth in Inches
20151210BH-CSC-AS-CONCRETE-01	Flat Roof at Gymnasium	Gray Exterior Coping Stone Seam Caulking	Concrete	1" / 0.5"

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

Laboratory: Con-Test

Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Samples Collected By:	B. Hobbs BA.	Contact Info:	jhobbs@fando.com	Date:	12-10-15	Time:
Relinquished [By][To]	B.H.		Fto Fridge	Date:	12-10-15	Time:
Relinquished [By][To]	Fto Fridge		S Blm	Date:	12-15-15	Time:
Relinquished [By][To]	S Blm		Tom May	Date:	12/15/15	Time:
Relinquished [By][To]	Tom May		Mike's Aunt	Date:	12/15/15	Time:

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



Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neill RECEIVED BY: RLF DATE: 12/15/15

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

2) Does the chain agree with the samples?

Yes No

If not, explain:

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.8°

5) Are there Dissolved samples for the lab to filter?

Yes No

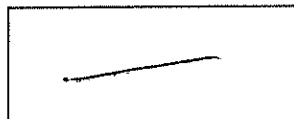
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:



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

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	1
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Doc# 277

Rev. 4 August 2013

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Any False statement will be brought to the attention of client		Answer (True/False)	Comment
	T/F/NA			
1) The cooler's custody seal, if present, is intact.			T	
2) The cooler or samples do not appear to have been compromised or tampered with.			T	
3) Samples were received on ice.			T	
4) Cooler Temperature is acceptable.			T	
5) Cooler Temperature is recorded.			T	
6) COC is filled out in ink and legible.			T	
7) COC is filled out with all pertinent information.			T	
8) Field Sampler's name present on COC.			T	
9) There are no discrepancies between the sample IDs on the container and the COC.			T	
10) Samples are received within Holding Time.			T	
11) Sample containers have legible labels.			T	
12) Containers are not broken or leaking.			T	
13) Air Cassettes are not broken/open.			NA	
14) Sample collection date/times are provided.			T	
15) Appropriate sample containers are used.			T	
16) Proper collection media used.			T	
17) No headspace sample bottles are completely filled.			T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.			T	
19) Trip blanks provided if applicable.			NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.			NA	
21) Samples do not require splitting or compositing.			T	

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

RLF 12/15/15 1650

Appendix H

Site Photographs



ACM Mudded Pipe Fitting Insulation



**Damaged ACM Mudded Pipe Fitting Insulation
Above Ceiling**



**ACM Pre-Formed Pipe Insulation & Mudded
Pipe Fitting Insulation**



**ACM Mudded Pipe Fitting Insulation Above
Collapsed Plaster Ceiling**



Kiln with ACM Gray Top Lid Liner Insulation



Asbestos-Containing Damaged 9" x 9" Floor Tile



Asbestos-Containing 9" x 9" Floor Tile



ACM Cementitious Bake-Lite Breaker Panel



Asbestos-Containing 1' x 1' Glue-Set Wall Tile



**Asbestos-Containing Exterior Window Glazing
& Caulking Compounds**



**Asbestos-Containing Light Gray Cementitious
Countertop**



**Asbestos-Containing Roof Tar Under Roof
Shingles**



Asbestos-Containing Remnant Floor Tile Mastic



**Asbestos-Containing Black Tar/Paper Behind
Concrete Window Sill**



**Asbestos-Containing Black Tar/Paper Between
Brick & Concrete Foundation**



**Roof Coping Stone Seam Caulking Containing
CTDEEP Regulated Lead and PCBs < 50 PPM
Mixed with Asbestos**

Appendix I

Opinion of Abatement and Demolition Costs

			AAIS Costs	BesTech Costs	HazPros Costs	Manafort Costs	Average Cost Per Item	Plymouth Quantities	Plymouth Costs
Building Square Footage	52,000								
Task	DAS Item Number	Units	COMMODITY AND/OR SERVICES ASBESTOS REMOVAL						
CLEAN-UP OF ACM DEBRIS BY HEPA VACUUMING	AR-001	SF	\$0.24	0.20	\$0.15	\$0.50	\$0.27	47,952.00	\$13,067
CLEAN-UP OF ACM DEBRIS	NO DAS NUMBER	LS	\$0.24	0.20	\$0.15	\$0.50			\$25,000
REMOVAL OF PIPE INSULATION AND MUDDER FITTING INSULATION	AR-002/AR-003/AR-003 (average)	LF	\$2.17	2.60	\$2.50	\$3.00	\$2.57	1,000	\$2,568
SELECTIVE DEMOLITION TO ACCESS PIPE INSULATION ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	3,000	\$3,300
REMOVAL OF RESILIENT FLOORING INCLUDING MASTIC	AR-011	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	13,000	\$14,300
SELECTIVE DEMOLITION TO ACCESS CONCEALED ACM ASSOCIATED WITH ABOVE (10% OF TOTAL)	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10	1,300	\$1,430
REMOVAL OF SOFT PLASTER CEILING SYSTEM	AR-014	SF	\$2.17	2.60	\$2.50	\$4.00	\$2.60		\$0
REMOVAL OF WHITE TANK INSULATIONS	AR-008	SF	\$2.89	3.75	\$3.50	\$5.00	\$3.79		\$0
REMOVAL OF WHITE HVAC DUCT INSULATION	AR-009	SF	\$2.89	3.75	\$3.50	\$5.00	\$3.79		\$0
REMOVAL OF VIBRATION ISOLATION CLOTH CONNECTOR	AR-010	SF	\$2.17	2.75	\$2.50	\$4.00	\$2.86		\$0
REMOVAL OF INSULATED VAULT DOORS	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		
REMOVAL OF TAN KILN	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00	1.00	\$250
REMOVAL OF ACOUSTIC OR METAL PAN CEILING SYSTEM (INCLUDING GRID)	AR-015	SF	\$1.45	1.80	\$1.50	\$2.75	\$1.88		\$0
REMOVAL OF WALK IN COOLER CORK AND BLACK MASTIC INSULATION	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF 1'X1' GLUE SET WALL TILES	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45	9,000	\$13,050
REMOVAL OF BROWN GLUE DAUBS ON RECTANGULAR CEILING TILES	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45		\$0
REMOVAL OF BULLETIN BOARD GLUE DAUBS	AR-016	SF	\$1.16	1.45	\$1.25	\$3.50	\$1.45		\$0
REMOVAL OF BLACK COVE BASE AND BLACK MASTIC	AR-024	LF		\$0.90	\$0.75	\$2.00	\$0.90		\$0
TERRACOTTA/BRICK WALLS/CHASES	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10		
REMOVAL OF CMU WALL/TERRA COTTA BLOCK	AR-026	SF	\$1.45	1.80	\$1.65	\$3.00	\$1.98		\$0
ABOVE	AR-029	SF	\$0.87	1.10	\$1.00	\$2.25	\$1.10		\$0
PREP WORK AREA (1) (2)	AR-027	SF	\$0.97	0.97	\$1.00	\$1.85	\$1.00	150,000	\$150,000
FIRE DOORS	NO DAS NUMBER	EACH	\$125.00	125.00	\$125.00	\$125.00	\$125.00	3.00	\$375
TAN INTERIOR COLUMN CAULKING COMPOUNDS	NO DAS NUMBER	LF	\$10.00	10.00	\$10.00	\$10.00	\$10.00		\$0
REMOVAL OF TAN INTERIOR WINDOW CAULKING	NO DAS NUMBER	EACH	\$300.00	300.00	\$300.00	\$300.00	\$300.00		\$0
REMOVAL OF TAN INTERIOR DOOR CAULKING	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00		\$0
REMOVAL OF RADIATOR PACKING INSULATION AND PAPER	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$150.00		\$0
REMOVAL OF GREY CEILING PANELS AND ASSOCIATED SEAM STRIP	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF GRAY CEMENTITIOUS BAKELITE/ELECTRICAL PANEL	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00	1	\$100
REMOVAL OF GRAY CEMENTITIOUS COUNTERTOP	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00	6	\$600
REMOVAL OF GRAY CEMENTITIOUS WALL HATCH	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		\$0
REMOVAL OF GRAY CEMENTITIOUS RADIATOR TOP	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		\$0
REMOVAL OF GRAY CEMENTITIOUS ELECTRICAL PANEL	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00		
REMOVAL OF WHITE OR BLACK CAULKING ON ELECTRICAL WIRES IN METAL DRINKING FOUNTAINS	NO DAS NUMBER	EACH	\$100.00	100.00	\$100.00	\$100.00	\$100.00	7	\$700
REMOVAL OF SINK UNDERCOATING	NO DAS NUMBER	EACH	\$250.00	250.00	\$250.00	\$250.00	\$250.00	10	\$2,500
REMOVAL OF ELEVATOR BRAKE PADS	NO DAS NUMBER	LS							\$0
REMOVAL OF BLACK GLUE ON CERAMIC WALL TILE	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF SKIM COAT CONCRETE ON TERRACOTTA WALL	NO DAS NUMBER	SF	\$15.00	15.00	\$15.00	\$15.00	\$15.00		\$0
REMOVAL OF GRAY SLATE STEPS AT MAIN ENTRANCE	NO DAS NUMBER	CY					\$50.00		\$0

[illegible]

[illegible]