

Hazardous Building Materials Inspection

November 14 & 15, 2017

Former Scovil Hoe Mill

11 Candlewood Hill Road

Higganum, CT

Town of Haddam

Haddam, CT

December 29, 2017



FUSS & O'NEILL
EnviroScience, LLC

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road

Manchester, CT 06040



FUSS & O'NEILL
EnviroScience, LLC

December 29, 2017

Ms. Liz Glidden
Town Planner
Town of Haddam
30 Field Park Drive
Haddam, Connecticut 06438

Re: Hazardous Building Materials Inspection
Former Scovil Hoe Mill
11 Candlewood Hill Road, Higganum, Connecticut
Fuss & O'Neill EnviroScience Project No. 20161001.A1E

Dear Ms. Glidden:

Enclosed is the report for the hazardous building materials inspection conducted in response to proposed renovations for the Former Scovil Hoe Mill located at 11 Candlewood Hill Road in Higganum, Connecticut. The work was conducted for the Town of Haddam (the "Client").

The services were performed on November 14 and 15, 2017 by Fuss & O'Neill EnviroScience, LLC licensed inspectors and included an asbestos-containing material (ACM) inspection, lead-based paint (LBP) determination, boiler stack ash waste characterization, limited sampling for polychlorinated biphenyls (PCBs) in source building materials (window and door caulking/glazing compounds) and a visual inventory of PCB-containing ballasts and mercury-containing equipment. The information summarized in this report is for the above-mentioned materials only. The work was performed in accordance with our written proposal dated July 11, 2017.

If you should have any questions regarding the contents of this report, please do not hesitate to contact me at 860-646-2469, extension 5585. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Kathleen C. Pane
Senior Project Manager

KCP/se
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1 Introduction

On November 14 and 15, 2017, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representatives Mr. Eric Cooley and Mrs. Stacy Vanderveer performed a hazardous building materials inspection for the proposed property acquisition at the Former Scovil Hoe Mill located at 11 Candlewood Hill Road in Higganum, Connecticut (the "Site"). The work was conducted for the Town of Haddam (the "Client") in accordance with our written scope of services dated September 12, 2017 and is subject to the limitations included in *Appendix A*.

The inspection included the following:

- asbestos-containing material (ACM) inspection;
- lead-based paint (LBP) determination;
- stack ash waste characterization;
- polychlorinated biphenyls (PCB) bulk sampling of window door caulking and glazing materials; and
- PCB-containing light ballasts and mercury-containing equipment visual inventory.

This hazardous building materials inspection was performed in response to proposed property acquisition and included the entire Site buildings, including the exterior and roof.

This inspection was limited to non-invasive and discrete sampling techniques. Specific areas that were not inspected include the following:

- Beneath and behind window and door frames;
- Within and behind mechanical equipment;
- Spaces above fixed ceilings, behind solid walls and between and beneath floors;
- Vapor/moisture barrier under floors or on concrete foundations;
- Concealed chases;
- Wall cavities;
- Within smoke stacks/chimneys;
- Spaces behind the brick façade;
- Foundations and sub-slab; and
- Sub grade utilities or other sub-grade features.

EnviroScience was provided a copy of a report developed by EnviroMed Services Inc. (EnviroMed) entitled *Asbestos Inspection Report* dated August 28 and 29, 2001. EnviroScience was also provided a report developed by EnviroMed entitled *Lead Inspection Report* dated August 28, 29 and October 2, 2001. The reports were considered during this inspection and relevant information has been provided in various sections throughout this report.

2 Asbestos Inspection

A property Owner must ensure that a thorough ACM inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the

Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

On November 14 and 15, 2017 Mr. Cooley and Mrs. Vanderveer of EnviroScience conducted the inspection. Mr. Cooley and Mrs. Vanderveer are both State of Connecticut Department of Public Health (CTDPH) - licensed Asbestos Inspectors. Refer to *Appendix B* for the Asbestos Inspector licenses and accreditations.

EnviroMed conducted an asbestos inspection at the Site in 2001 and a copy of the report has been provided in *Appendix C*.

During the inspection bat fecal matter was observed throughout attic spaces.

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 ($> 1\%$) asbestos that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category I Non-Friable Material refers to material that contains $> 1\%$ asbestos (i.e., packings, gaskets, resilient floor coverings, and asphalt roofing products) 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 $> 1\%$ asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were 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 fireproofings, 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 accessible suspect ACM and prepared proper chain-of-custody forms for transmission of the samples to EMSL Analytical Inc. for analysis. EMSL is a Connecticut-licensed and American Industrial Hygiene Association (AIHA) - accredited asbestos 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 Table 1 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).

If samples of suspect materials could not be collected or were inaccessible but observed elsewhere, these materials were assumed to contain asbestos and the inspectors approximated quantities. The exterior and roof were included in the scope of work for this inspection. A&G Contracting, Inc. of East Haven, Connecticut assisted EnviroScience in obtaining and repairing roof sample locations. Also, intrusive or destructive investigative techniques were not performed at the Site to access and observe concealed areas that may have had suspect ACMs that were hidden or obstructed from normal view. Limitations are discussed in Section 1 of this report.

2.2 Building and Mechanical System Description

The Site known as the Former Scovil Hoe Mill but recently identified as the Connecticut Department of Transportation Higganum Repair Garage is located on approximately 4 acres of land at 11 Candlewood

Hill Road within the Village of Higganum, Town of Haddam, Connecticut. The Site was improved with two, 2-story brick buildings (identified as Building 81-115 and Building 81-106) two wooden sheds, an emergency generator shed, and a vehicle and equipment compound area. The remaining portions of the Site include asphalt-paved parking areas and gravel/grass covered areas.

The two main buildings, approximately constructed at some time spanning 1838-1866 (Building 81-106) and approximately 1887 (Building 81-115), were historically part of the D&H Scovil Hoe Company Mill No. 4. The mill (which manufactured planters, hoes and milled feldspar) operated at the Site from approximately 1844 to 1942, but has since been utilized as a repair facility for the Connecticut Department of Transportation (CT DOT).

The Site is currently unoccupied. The Site formerly utilized #2 heating fuel oil to operate overhead ceiling mounted blower units for heating purposes. The Site does not consist of any cooling systems.

2.3 Results

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

- Black asphalt cold process roofing cement;
- Exterior hard, tan window caulking compound;
- Exterior original hard white door frame caulking compound;
- Exterior hard tan glazing compound associated with window system in door unit; and
- Interior window caulking compound.

Based on the information provided in EnviroMed's asbestos inspection report dated 2001 the following materials were determined to be **ACM**:

- Interior window frame caulking compound;
- Exterior window glazing compound;
- Gray roof flashing cement;
- Gray roof flashing paper;
- Asbestos cement (transite) roof tile under red/green asphalt roof shingle (not observed present during EnviroScience investigation);
- Boiler inspection door rope gasket (Abated in 2001);
- Chimney breeching cement (Abated in 2001);
- Black roll roofing and adhesive associated with boiler room roof;
- Gray flashing cement associated with boiler room roof and at base of penthouse; and
- Fire chamber plate sealant associated with boiler) (Abated in 2001).

The following material was determined to contain less than (<) one percent (1%) asbestos during this investigation:

- Interior window glazing compound

The following material was determined to contain < 1% asbestos based on the information provided in EnviroMed's asbestos inspection report dated 2001:

- Exterior window glazing compound

Refer to **Table 1** for a complete list of ACM and non-ACM identified as part of this inspection and as part of the 2001 EnviroMed inspection. Refer to **Table 2** attached hereto for the ACM inventory. Refer to *Appendix D* for the asbestos laboratory report and chain-of-custody form. Refer to *Appendix E* for Site photographs.

2.4 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.

Suspect ACM not identified during this inspection or the previous inspection conducted by EnviroMed should be presumed to contain asbestos until sample collection and laboratory analysis indicate otherwise.

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

2.5 Conclusions and Recommendations

Based on visual observations, sample collection, and laboratory analysis, ACM are present at the Site.

Prior to disturbance, ACM that would likely be impacted by a renovation or demolition activities must first be abated by a state-licensed Asbestos Abatement Contractor. This is a requirement of CTDPH and EPA NESHAP regulations governing asbestos abatement.

Due to the inability to effectively separate some types of multi-layered ACM (e.g., roofing layers, caulking and glazing compounds, etc.) from non-ACM, these materials are considered asbestos-contaminated and must be managed as ACM for the purposes of removal and disposal.

EnviroScience recommends that a comprehensive scope of work and technical specification be developed as part of development plans for the Site. We have developed an opinion of cost for the complete removal of all identified asbestos under separate cover. Note the total cost is inclusive of removing all asbestos, and a more limited scope can be tailored to any specific scope of work as necessary.

Suspect materials encountered during renovation or demolition that may occur at the Site 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. Prior to conducting activities that may disturb hidden/inaccessible areas, we recommend conducting a supplemental asbestos inspection of these areas and spaces as identified in Section 1 of this report.

Materials are present at the Site where concentrations of asbestos are < 1%. While the EPA and the CTDPH identify materials containing < 1% as a non-asbestos containing material, OSHA worker protection regulations apply to materials containing any amount of asbestos.

EnviroScience recommends that if any ACMs are to remain in the building following renovation or demolition activities or due to building occupancy, the ACM should be managed in-place under a written Operations and Maintenance Program in accordance with OSHA regulations.

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 Client in locating identified ACM and materials containing <1% asbestos.

3 Lead-Based Paint Determination

EnviroScience did not perform a lead-based paint (LBP) determination at the Site. The information reported by EnviroMed in 2001 in their *Lead Inspection Report* was relied upon during the inspection.

3.1 XRF Determination Results

Based on the information provided in the EnviroMed 2001 *Lead Inspection Report* the following building components were determined to contain levels of lead (greater than 1.0 mg/cm²):

- Stair components;
- Door components;
- Window components;
- Various walls;
- Electrical panel box and bench;
- Tool bench;
- Ceilings;
- Loading dock components;
- Parking signs;
- Floor stripe paint;
- Shelving;
- Lintels and beams;
- Fascia board.

Refer to *Appendix F* for a copy of the 2001 EnviroMed *Lead Inspection Report*.

3.2 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 the lead inspection conducted by EnviroMed in 2001 can provide guidance to contractors for occupational lead exposure controls. Building components coated with lead levels above industry standards may cause exposures to lead above OSHA standards during proposed demolition and renovation activities.

A development scope has not been developed for the Site therefore, a Toxicity Characteristic Leaching Procedure (TCLP) sample to characterize the expected waste that may result from possible selective demolition and/or renovation work was not collected as part of this inspection.

3.3 Conclusion and Recommendations

Based on the EnviroMed 2001 report, LBP is present on coated building components located on or in the building.

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 renovation or demolition work that will impact lead paint.

If disturbed by renovation or demolition activities, LBP-coated building components should be segregated from the general waste stream for sample collection and analysis by TCLP to determine proper off-site waste disposal. If disturbed and managed off-site, non-porous LBP-coated building materials (i.e., metals) may be segregated and recycled as scrap metal. Metal LBP-coated building components cannot be subject to grinding, sawing, drilling, sanding, or torch cutting.

Note that future work involving surface preparation of identified painted surface(s) must be performed in accordance with OSHA worker protection requirements. If Site development in the future may be residential use or other use where children under the age of six occupy the structure the CTDPH Lead Poisoning Prevention and Control Regulations 19a-111-1 thru 19a-111-11 or EPA Renovation, Repair and Painting Rule (RRP) may apply and lead will require further evaluation based on Site use.

4 Waste Characterization for Boiler Stack Ash

4.1 Sampling

On November 14, 2017, EnviroScience's representative Mrs. Vanderveer collected a representative sample of ash material from the access door associated with the boiler stacks. One sample was collected from each building boiler stack for a total of two samples.

The samples collected were analyzed by Phoenix Environmental Laboratories of Manchester, Connecticut, (Phoenix) which is a Connecticut-certified laboratory. The sample was analyzed for waste characterization utilizing TCLP parameters including total Resource Conservation Recovery Act (RCRA) 8 metals.

4.2 Results

The analytical results indicated the eight metals did not exceed the EPA maximum concentration of contaminant for toxicity characteristic regulatory level and are therefore the material is not classified as a hazardous waste. The analyses were reported less than laboratory detection limits.

4.3 Conclusion

The sample result was compared to the RCRA regulations for waste disposal and was determined not hazardous waste for disposal purposes based on the analysis criteria. The laboratory results supporting the findings are attached in *Appendix G*.

5 Polychlorinated Biphenyls (PCBs) Bulk Sample Analysis

5.1 Background

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

Many property owners have become subject to large changes in schedule, scope, and costs as a result of failure to identify these possible contaminants prior to renovation or demolition. We recommended this testing as part of the work. This information will serve as useful to significant impact and potential requirements for planning required by the EPA which must be implemented if PCBs are identified at a project site.

The EPA requirements apply and require removal of PCBs once identified, regardless of project intent as an unauthorized use of PCBs. Therefore, if buildings are to remain for re-use and PCBs are identified, the EPA still requires PCB material removal once it is determined that PCBs are present. In addition to identification of source materials containing PCBs, if PCBs are present at certain concentrations, additional sampling and analysis of adjacent surfaces in contact with PCB sources, or which may have been contaminated from a source of PCBs (e.g. soil), must also be performed or remediated.

EPA requirements apply only if PCBs are present in concentrations above a specified level. Presently, PCB-containing materials at concentrations equal to or greater than (\geq) 50 ppm, or equivalent units of milligrams per kilogram (mg/kg) are regulated. Note 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.

5.2 Sampling

Bulk Sampling of Source Materials

On November 15, 2017, Mr. Cooley and Mrs. Vanderveer collected 32 bulk samples of building materials for PCB analysis. Sampling involved removal of bulk product materials (source materials) using hand tools to submit in bulk form to determine PCB content. EnviroScience used disposable tools to collect the samples. The sampling tools were discarded after each individual sample was collected to avoid cross contamination of samples. Each sample was placed in an individual container, labeled, and delivered to Phoenix using proper chain of custody. The analytical method for analysis included extraction method 3540C (Soxhlet) and analysis method SW-846 8082.

The EPA regulates materials containing ≥ 50 ppm. However if PCB greater than 1 ppm are present in a material it must be demonstrated (proven) that the materials containing < 50 ppm PCBs are an “Excluded PCB Product,” which for this circumstance would be a product legally manufactured or used prior to October 1, 1984.

5.3 Results

Table 3 identifies the collected samples by location, material type, sample number, and PCB content.

Refer to *Appendix H* for laboratory analytical results and chain of custody form.

5.4 Conclusions

EnviroScience collected bulk samples for PCB analysis. The analytical results indicated the tan interior window glazing compound contains regulated concentrations of PCBs at > 1 ppm but < 50 ppm (1.2 ppm). The entire window system will be specified for removal and disposal as ACM and PCB > 1 ppm but < 50 ppm.

6 PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Equipment

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.

On November 14 and 15, 2017 EnviroScience representatives, Mr. Cooley and Mrs. Vanderveer 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.

Representative light units were opened to visually inspect ballasts (3 locations per building). The ballast observed as MagneTek brand ballast that is labeled "No PCBs". It is assumed the ballasts throughout the facility do not contain PCBs. Refer to **Table 4** for the DEHP-Containing Light Ballasts Inventory.

6.2 Mercury-Containing Equipment

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.

On November 14 and 15, 2017, EnviroScience representatives, Mr. Cooley and Mrs. Vanderveer, performed an inventory of mercury equipment. These fixtures were inventoried in-place. Refer to **Table 5** for the Mercury-Containing Equipment Inventory.

Refer to *Appendix I* for Site plans. Report prepared by Senior Project Manager, Kathleen C. Pane.

Reviewed by:



Robert L. May, Jr.
President

Tables

Table 1
Summary of Suspect Asbestos-Containing Materials

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
EnviroScience 2017 Inspection				
Building A (North Building) - Exterior				
111517EC-01A	Black Red & Green Granular 3-Tab Asphalt Roof Shingle	South Center Roof Eve over 30 Lb. Felt Paper and Wood	ND	PLM
111517EC-01B	Black Red & Green Granular 3-Tab Asphalt Roof Shingle	South Center Roof Eve over 30 Lb. Felt Paper and Wood	ND	PLM
111517EC-01C	Black Red & Green Granular 3-Tab Asphalt Roof Shingle	South Center Roof Eve over 30 Lb. Felt Paper and Wood	ND	PLM
111517EC-02A	Black 30 Lb. Asphalt Building Paper	South Center Roof Eve Under 3-Tab Shingle on Wood	ND	PLM
111517EC-02B	Black 30 Lb. Asphalt Building Paper	South West Roof Gable End Under 3-Tab Shingle on Wood	ND	PLM
111517EC-02C	Black 30 Lb. Asphalt Building Paper	South East Roof Corner Under 3-Tab Shingle on Wood	ND	PLM
111517EC-03A	Black Asphalt Cold Process Roofing Cement	North East Chimney Stack at Roof	9% chrysotile	PLM
111517EC-03B	Black Asphalt Cold Process Roofing Cement	North East Chimney Stack at Roof	NA/Pos Stop	
111517EC-04A	Hard Tan Caulk	North Side, West Window Frame/Brick	2% anthophyllite	PLM
111517EC-04B	Hard Tan Caulk	South Side, West Window Frame/Brick	NA/Pos Stop	
111517EC-04C	Hard Tan Caulk	East Side, North Window Frame/Brick	NA/Pos Stop	
111517EC-05A	Hard Tan Glazing Compound	North Side, West Window	2% anthophyllite	PLM
111517EC-05B	Hard Tan Glazing Compound	South Side, West Window	NA/Pos Stop	
111517EC-05C	Hard Tan Glazing Compound	East Side, North Window	NA/Pos Stop	
111517EC-06A	Rubbery Grey Caulk	Overhead Bay Door 6 Frame / Brick	ND	PLM
111517EC-06B	Rubbery Grey Caulk	Overhead Bay Door 7 Frame / Brick	ND	PLM
111517EC-06C	Rubbery Grey Caulk	Overhead Bay Door 9 Frame / Brick	ND	PLM
111517EC-07A	Rubbery Grey Caulk	South Side West Steel Passage Door at Wood Frame/Brick	ND	PLM
111517EC-07B	Rubbery Grey Caulk	South Side East Steel Passage Door at Steel Frame / Brick (State of CT)	ND	PLM
111517EC-08A	Original Hard White Caulk	South Side East Steel Passage Door at Steel Frame / Brick (State of CT)	3% anthophyllite	PLM
111517EC-08B	Original Hard White Caulk	South Side East Original Wood Passage Door at Wood Frame / Brick	NA/Pos Stop	
111517EC-09A	Newer Dark Grey Caulk	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick	ND	PLM
111517EC-09B	Newer Dark Grey Caulk	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick	ND	PLM
111517EC-09C	Newer Dark Grey Caulk	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick - Interior	ND	PLM
111517EC-10A	White Brick Mortar	North East Corner	ND	PLM
111517EC-10B	White Brick Mortar	South East Corner	ND	PLM
111517EC-10C	White Brick Mortar	South West Corner	ND	PLM
Building B (South Building) -Exterior				
111517EC-11A	Black Red & Green Granular 3-Tab Asphalt Roof Shingle	North East Roof Eve	ND	PLM
111517EC-11B	Black Red & Green Granular 3-Tab Asphalt Roof Shingle	Over 30 Lb. Felt Paper and Wood	ND	PLM

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
111517EC-11C	Black Red & Green Granular 3-Tab Asphalt Roof Shingle	North Center Roof Eve	ND	PLM
111517EC-12A	Black 30 Lb. Asphalt Building Paper	over 30 Lb. Felt Paper and Wood	ND	PLM
111517EC-12B	Black 30 Lb. Asphalt Building Paper	North West Roof Gable End	ND	PLM
111517EC-12C	Black 30 Lb. Asphalt Building Paper	over 30 Lb. Felt Paper and Wood	ND	PLM
111517EC-13A	Black Asphalt Cold Process Roofing Cement	North East Roof Eve	10% chrysotile	PLM
111517EC-13B	Black Asphalt Cold Process Roofing Cement	over 30 Lb. Felt Paper and Wood	NA/Pos Stop	
111517EC-14A	Single Ply Asphaltic Built-up Rood	North Center Roof Eve	NS	
111517EC-14B	Single Ply Asphaltic Built-up Rood	over 30 Lb. Felt Paper and Wood	NS	
111517EC-14C	Single Ply Asphaltic Built-up Rood	North West Roof Gable End	NS	
111517EC-15A	Black Asphalt Cold Process Roofing Cement	Over 30 lb. Felt Paper and Wood	NS	
111517EC-15B	Black Asphalt Cold Process Roofing Cement	South West Chimney Stack at Roof	NS	
111517EC-15C	Black Asphalt Cold Process Roofing Cement	North East Chimney Stack at Roof	NS	
111517EC-16A	Hard Tan Caulk	Boiler Building Shed Roof on Wood -North	3% anthophyllite	PLM
111517EC-16B	Hard Tan Caulk	Boiler Building Shed Roof on Wood -South	NA/Pos Stop	
111517EC-16C	Hard Tan Caulk	Boiler Building Shed Roof on Wood - East	NA/Pos Stop	
Building B (South Building) - Exterior				
111517EC-17A	Hard Tan Glazing Compound	East End, 2nd Floor North Window Frame	ND	PLM
111517EC-17B	Hard Tan Glazing Compound	North Side, Center Window over Door	<1% anthophyllite, 2% chrysotile	PLM
111517EC-17C	Hard Tan Glazing Compound	South Side, West Window Frame	NA/Pos Stop	
111517EC-18A	Original Hard White/Tan Caulk	East End Original Wood Passage Door at Wood Frame / Brick	4% anthophyllite	PLM
111517EC-18B	Original Hard White/Tan Caulk	South Center Original Wood Passage Door at Wood Frame / Brick	NA/Pos Stop	
111517EC-19A	Hard White Caulk	North Side Center Metal Passage Door at Metal Frame / Brick	ND	PLM
111517EC-19B	Hard White Caulk	North Side West Metal Passage Door at Wood Frame / Brick	ND	PLM
111517EC-19C	Hard White Caulk	North Side East Door at Frame / Brick	2% anthophyllite	PLM
111517EC-20A	Dark Grey Cementitious Furnace Cement	South West Chimney Stack Clean-out	ND	PLM
111517EC-20B	Dark Grey Cementitious Furnace Cement	South West Chimney Stack Clean-out	ND	PLM
111517EC-20C	Dark Grey Cementitious Furnace Cement	South West Chimney Stack Clean-out	ND	PLM
111517EC-21A	Off White Brick Mortar	South East Corner	ND	PLM
111517EC-21B	Off White Brick Mortar	South West Corner	ND	PLM
111517EC-21C	Off White Brick Mortar	North Center	ND	PLM
Building A - Interior				
111517EC-22A	Light Grey Cellulose Insulation Fill	Attic- East Floor	NS	
111517EC-22B	Light Grey Cellulose Insulation Fill	Attic – Center Floor	NS	
111517EC-22C	Light Grey Cellulose Insulation Fill	Attic – West Floor	NS	

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
111517EC-23A	Asphaltic Braided Electrical #12 Wire Insulation	Attic- East	ND	PLM
111517EC-23B	Asphaltic Braided Electrical #12 Wire Insulation	Attic – East	ND	PLM
111517EC-23C	Asphaltic Braided Electrical #12 Wire Insulation	Attic – West	ND	PLM
111517EC-24A	Asphaltic Coating over 2” Cork Insulation	Attic- West Over 13 & 14 on bottom 2’ of Principle Rafter Beam	ND	PLM
111517EC-24B	Asphaltic Coating over 2” Cork Insulation	Attic- West Over 13 & 14 on bottom 2’ of Principle Rafter Beam	ND	PLM
111517EC-24C	Asphaltic Coating over 2” Cork Insulation	Attic- West Over 13 & 14 on bottom 2’ of Principle Rafter Beam	ND	PLM
111517EC-25A	Asphaltic Coating	Area 14 –North Brick Wall under Paint	ND	PLM
111517EC-25B	Asphaltic Coating	Area 14 –South Brick Wall under Paint	ND	PLM
111517EC-25C	Asphaltic Coating	Area 14 – East Brick Wall under Paint	ND	PLM
111517EC-26A	Asphaltic Coating	Attic West End -North Chimney Brick	ND	PLM
111517EC-26B	Asphaltic Coating	Attic West End -North Chimney Brick	ND	PLM
111517EC-26C	Asphaltic Coating	Attic West End -North Brick Wall at Floor	ND	PLM
111517EC-26D	Asphaltic Coating	Attic West End -North Brick Wall at Floor	ND	PLM
111517EC-27A	Thick Asphaltic Felt Paper	Attic West End Wall–	ND	PLM
111517EC-27B	Thick Asphaltic Felt Paper	Adjacent North Chimney	ND	PLM
111517EC-27C	Thick Asphaltic Felt Paper	Attic West End Wall–	ND	PLM
111517EC-28A	½” Gypsum Wallboard with Batten Boards at Seams	Adjacent North Chimney	NS	
111517EC-28B	½” Gypsum Wallboard with Batten Boards at Seams	Attic West End Wall–	NS	
111517EC-28C	½” Gypsum Wallboard with Batten Boards at Seams	Adjacent North Chimney	NS	
111517EC-29A	½” Thick Grey Textured Paperboard Paneling	Area 5 Ceiling	NS	
111517EC-29B	½” Thick Grey Textured Paperboard Paneling	Area 11 Ceiling	NS	
111517EC-29C	½” Thick Grey Textured Paperboard Paneling	Area 12 Ceiling	NS	
111517EC-30A	½” Gypsum Wallboard	South Attic Ceiling	ND	PLM
111517EC-30B	½” Gypsum Wallboard	Area 5 Wall at Window	ND	PLM
111517EC-30C	½” Gypsum Wallboard	Area 11 West Wall	ND	PLM
111517EC-31A	Joint Compound and Paper Tape	Area 9 - West Wall	ND	PLM
111517EC-31B	Joint Compound and Paper Tape	Area 9 – East Closet Wall	ND	PLM
111517EC-31C	Joint Compound and Paper Tape	Area 11 – East Wall	ND	PLM
111517EC-32	Wallboard /Joint Compound and Paper Tape Composite	Area 9 - West Wall	ND	PLM
111517EC-33A	½” Gypsum Wallboard	Area 9 – East Closet Wall	NS	
111517EC-33B	½” Gypsum Wallboard	Area 11 – East Wall	NS	
111517EC-33C	½” Gypsum Wallboard	Area 9 - West Wall	NS	
111517EC-34A	Joint Compound and Paper Tape	Area 1 –Wall	NS	
111517EC-34B	Joint Compound and Paper Tape	Area 2 –Wall	NS	
111517EC-34C	Joint Compound and Paper Tape	Area 4 –Wall	NS	
111517EC-35	Wallboard /Joint Compound and Paper Tape Composite	Area 1 - Wall	NS	

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
111517EC-36A	2'x4' Sponge Look Suspended Ceiling Tile	Area 1 –Ceiling	ND	PLM
111517EC-36B	2'x4' Sponge Look Suspended Ceiling Tile	Area 1 –Ceiling	ND	PLM
111517EC-36C	2'x4' Sponge Look Suspended Ceiling Tile	Area 2 –Ceiling	ND	PLM
111517EC-37A	2'x2' Small Random Pock Marks Suspended Ceiling Tile	Area 4 –Ceiling	ND	PLM
111517EC-37B	2'x2' Small Random Pock Marks Suspended Ceiling Tile	Area 4 –Ceiling	ND	PLM
111517EC-38A	12"x12" Tan Mottled Resilient Floor Tile	Area 1 East –over Wood/Sheet Floor	ND	TEM
111517EC-38B	12"x12" Tan Mottled Resilient Floor Tile	Area 1 Adjacent Closet –over Wood/Sheet Floor	NS	
111517EC-38C	12"x12" Tan Mottled Resilient Floor Tile	Area 9 Closet– Over Wood/Sheet Floor	NS	
111517EC-39A	Yellow Adhesive Associated with Tan Floor Tile	Area 1 East –Over Wood/Sheet Floor	ND	TEM
111517EC-39B	Yellow Adhesive Associated with Tan Floor Tile	Area 1 Adjacent Closet – Over Wood/Sheet Floor	NS	
111517EC-39C	Yellow Adhesive Associated with Tan Floor Tile	Area 9 Closet– Over Wood/Sheet Floor	NS	
111517EC-40A	Brown Sheet Floor With Jute/Asphalt Backing	Area 1 East –Under Tile on Elevated Wood Floor Over Concrete	ND	TEM
111517EC-40B	Brown Sheet Floor With Jute/Asphalt Backing	Area 1 Adjacent Closet – Under Tile on Elevated wood floor over Concrete	NS	
111517EC-40C	Brown Sheet Floor With Jute/Asphalt Backing	Area 9 Closet– Under Tile on Elevated Wood Floor Over Concrete	NS	
111517EC-41A	4" Brown Vinyl Cove Base	Area 1 East –on Wallboard Wall	ND	TEM
111517EC-41B	4" Brown Vinyl Cove Base	Area 1 Adjacent Closet –on Wallboard Wall	NS	
111517EC-41C	4" Brown Vinyl Cove Base	Area 2– on Wallboard Wall	NS	
111517EC-42A	Yellow Adhesive Associated with Brown Cove Base	Area 1 East –on Wallboard Wall	ND	TEM
111517EC-42B	Yellow Adhesive Associated with Brown Cove Base	Area 1 Adjacent Closet – on Wallboard Wall	NS	
111517EC-42C	Yellow Adhesive Associated with Brown Cove Base	Area 2– on Wallboard Wall	NS	
111517EC-43A	Brick Mortar	Area 1 Fireplace	ND	PLM
111517EC-43B	Brick Mortar	Area 1 Fireplace	ND	PLM
111517EC-44A	Hard White Caulk	North Side East Door at Frame / Brick	2% anthophyllite	PLM
111517EC-44B	Interior Window Caulk between Wood/Brick	Area 10 South wall Center Window	NA/Pos Stop	
111517EC-44C	Interior Window Caulk between Wood/Brick	Area 10 South wall Center Window	NA/Pos Stop	
111517EC-45A	Interior Window Glazing Compound	Area 5 West Entry Interior Window	<1% anthophyllite	PLM
111517EC-45B	Interior Window Glazing Compound	Area 5 North Office Interior Window	NA/Pos Stop	
Building B - Interior				

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
111517EC-46A	½" Gypsum Wallboard with no Tape & Compound	Area 1 Boiler House Ceiling	ND	PLM
111517EC-46B	½" Gypsum Wallboard with no Tape & Compound	Area 1 Boiler House Ceiling	ND	PLM
111517EC-46C	½" Gypsum Wallboard with no Tape & Compound	Area 1 Boiler House Ceiling	ND	PLM
111517EC-47A	½" Gypsum Wallboard	Area 1 Boiler House South Wall Infill	ND	PLM
111517EC-47B	½" Gypsum Wallboard	Area 1 Boiler House South Wall Infill	ND	PLM
111517EC-48A	Joint Compound and Paper Tape	Area 1 Boiler House South Wall Infill	ND	PLM
111517EC-48B	Joint Compound and Paper Tape	Area 1 Boiler House South Wall Infill	ND	PLM
111517EC-49	Wallboard /Joint Compound and Paper Tape Composite	Area 1 Boiler House South Wall Infill	ND	PLM
111517EC-50A	New White Caulk	Area 1 Boiler House South Wallboard Infill / Brick Seam	ND	PLM
111517EC-50B	New White Caulk	Area 1 Boiler House South Wallboard Infill / Brick Seam	ND	PLM
111517EC-51A	½" Thick Grey Textured Paperboard Paneling	Area 3 - Ceiling	NS	
111517EC-51B	½" Thick Grey Textured Paperboard Paneling	Area 3 Wall Over Passage Door	NS	
111517EC-51C	½" Thick Grey Textured Paperboard Paneling	Area 4 West Loft Wall	NS	
111517EC-52A	Black Vinyl Stair Tread	Area 2 Loft Stairs	ND	TEM
111517EC-52B	Black Vinyl Stair Tread	Area 2 Loft Stairs	NS	
111517EC-53A	Yellow Adhesive Associated with Black Vinyl Stair Tread	Area 2 Loft Stairs	ND	TEM
111517EC-53B	Yellow Adhesive Associated with Black Vinyl Stair Tread	Area 2 Loft Stairs	NS	
111517EC-54A	Asphalt Coated Paper Facing on Fiberglass Batt Insulation	Area 4 – East Wall Insulation	ND	PLM
111517EC-54B	Asphalt Coated Paper Facing on Fiberglass Batt Insulation	Area 4 – East Wall Insulation	ND	PLM
111517EC-54C	Asphalt Coated Paper Facing on Fiberglass Batt Insulation	Area 4 – East Wall Insulation	ND	PLM
111517EC-55A	Brown Pipe Thread Sealant	Area 2 – South Wall Steam Line Fittings	ND	PLM
111517EC-55B	Brown Pipe Thread Sealant	Area 4 – South Wall Steam Line Fittings	ND	PLM
111517EC-56A	Newer Pliable White Caulk	Area 5 – North Steel Door at Interior Wood Frame/Brick	ND	PLM
111517EC-56B	Newer Pliable White Caulk Applied over old Hard Caulk	Area 5 – North Steel Door at Exterior Wood Frame/Brick	ND	PLM
EnviroMed 2001 Inspection				
Building A (81-115)				
1	12"X12" Tan With Brown And White Flecks Vinyl Floor Tile	Test Bore Room	Nd	Plm
2	12"X12" Tan With Brown And White Flecks Vinyl Floor Tile	Office #1	Nd	Plm
3	Mastic Under 12"X 12" Tan With Brown And White Vinyl Floor Tile	Test Bore Room	ND	PLM
4	Mastic Under 12"X 12" Tan With Brown And White Vinyl Floor Tile	Office #1	ND	PLM
5	4" Brown Cove Molding	Test Bore Room	Nd	Plm
6	4" Brown Cove Molding	Office #1	Nd	Plm

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
7	Glue Behind 4" Brown Cove Molding	Test Bore Room	ND	PLM
8	Glue Behind 4" Brown Cove Molding	Office #1	ND	PLM
9	Brown Linoleum	Closet In Test Bore Room	ND	PLM
10	Brown Linoleum	Closet In Test Bore Room	ND	PLM
11	Wallboard/Sheetrock	Test Bore Room	ND	PLM
12	Wallboard/Sheetrock	Office #1	ND	PLM
13	Wallboard Joint Compound	Test Bore Room	ND	PLM
14	Wallboard Joint Compound	Test Bore Room	ND	PLM
15	Wallboard Joint Compound	Office #1	ND	PLM
16	Paper Pressboard	Library	ND	PLM
17	Paper Pressboard	Test Bore Room	ND	PLM
18	2'x4' Suspended Ceiling Tile With Fat, Shallow Grooves And Holes	Test Bore Room	Nd	Plm
19	2'x4' Suspended Ceiling Tile With Fat, Shallow Grooves And Holes	Ladies Room	Nd	Plm
20	Void	Void		
21	Void	Void		
22	Ceiling Board	Library	ND	PLM
23	Ceiling Board	Stores	ND	PLM
24	Interior Door Frame Caulk (Gray)	Door Between Library & Boiler Room	ND	PLM
25	Interior Door Frame Caulk (Gray)	Door Between Library & Boiler Room	ND	PLM
26	Interior Door Frame Caulk (White)	Door From Entry To Library	ND	PLM
27	Interior Door Frame Caulk (White)	Door From Entry To Library	ND	PLM
28	Interior Door Frame Caulk (Brown)	Bays 1 & 2 - Exit Door	ND	PLM
29	Interior Door Frame Caulk (Brown)	Bays 1 & 2 - Exit Door	ND	PLM
30	Exterior Door Frame Caulk	Bay 6 -Exit Door	ND	PLM
31	Exterior Door Frame Caulk	Front Entry Door	ND	PLM
32	Exterior Window Frame Caulk	Bays 1 & 2 - South Window	ND	PLM
33	Exterior Window Frame Caulk	Store Window	ND	PLM
34	Interior Window Frame Caulk	Store Window	3%	PLM
35	Interior Window Frame Caulk	Store Window	3%	PLM
36	Exterior Window Glazing (Type 1)	Bay 3 - North Window	2%	PLM
37	Exterior Window Glazing (Type 1)	Bay 5 - South Window	ND	PLM
38	Exterior Window Glazing (Type 1)	Office #1 Window	ND	PLM
39	Interior Window Glazing (Type 2)	Front Entry Interior Window	ND	PLM
40	Interior Window Glazing (Type 2)	Front Entry Interior Window	ND	PLM
41	Interior Window Glazing (Type 2)	Front Entry Interior Window	ND	PLM
42	Exterior Window Glazing (Type 3)	Men's Room Window	ND	PLM
43	Exterior Window Glazing (Type 3)	Men's Room Window	<1%	PLM
44	Exterior Window Glazing (Type 3)	Men's Room Window	<1%	PLM
45	Exterior Window Glazing (Type 4)	Penthouse Window	ND	PLM
46	Exterior Window Glazing (Type 4)	Penthouse Window	ND	PLM
47	Exterior Window Glazing (Type 4)	Penthouse Window	ND	PLM
48	Attic Insulation	Attic	ND	PLM
49	Attic Insulation	Attic	ND	PLM

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
50	Wall Penetration Caulk	Exterior Wall Outside Bay 2	ND	PLM
51	Wall Penetration Caulk	Exterior Wall Outside Bay 2	ND	PLM
52	Red/Green Asphalt Roof Shingle	Penthouse Roof	ND	PLM
53	Red/Green Asphalt Roof Shingle	Penthouse Roof	ND	PLM
54	Black Asphalt Roof Shingle Under Red/Green Asphalt Roof Shingle	Penthouse Roof	ND	PLM
55	Black Asphalt Roof Shingle Under Red/Green Asphalt Roof Shingle	Main Roof	ND	PLM
56	Gray Flashing Cement	Main Roof - Base Of Chimney	20%	PLM
57	Gray Flashing Cement	Main Roof - Base Of Chimney	20%	PLM
58	Gray Flashing Paper	Main Roof - Base Of Chimney	35%	PLM
59	Gray Flashing Paper	Main Roof - Base Of Chimney	35%	PLM
60	Heavy Duty (50 Pound) Felt	North Side Of Penthouse	ND	PLM
61	Heavy Duty (50 Pound) Felt	South Side Of Penthouse	ND	PLM
62	Residual Bay Door Column Caulk	Exterior Outside Bay 4	ND	PLM
63	Residual Bay Door Column Caulk	Exterior Outside Bay 8	ND	PLM
64	Transite Roof Tile Under Red/Green Asphalt Roof Shingle	Penthouse Roof	25%	Plm
65	Transite Roof Tile Under Red/Green Asphalt Roof Shingle	Penthouse Roof	30%	Plm
66	Front Clean Out Plate Gasket	Boiler Room Boiler	ND	PLM
67	Front Clean Out Plate Gasket	Boiler Room Boiler	ND	PLM
68	Front Clean Out Plate Gasket	Boiler Room Boiler	ND	PLM
69	Front Inner Clean Out Plate Insulation	Boiler Room Boiler	ND	PLM
70	Front Inner Clean Out Plate Insulation	Boiler Room Boiler	ND	PLM
71	Front Inner Clean Out Plate Insulation	Boiler Room Boiler	ND	PLM
72	Front Outer Clean Out Plate Insulation	Boiler Room Boiler	ND	PLM
73	Front Outer Clean Out Plate Insulation	Boiler Room Boiler	ND	PLM
74	Front Outer Clean Out Plate Insulation	Boiler Room Boiler	ND	PLM
75	Inspection Door Rope Gasket	Boiler Room Boiler	80%	PLM
76	Inspection Door Rope Gasket	Boiler Room Boiler	80%	PLM
77	Inspection Door Rope Gasket	Boiler Room Boiler	80%	PLM
78	Fire Brick	Boiler Room Boiler	ND	PLM
79	Fire Brick	Boiler Room Boiler	ND	PLM
80	Fire Brick	Boiler Room Boiler	ND	PLM
81	Boiler Rib Clean-Out Plate Gasket (Rope)	Boiler Room Boiler	ND	PLM
82	Boiler Rib Clean-Out Plate Gasket (Rope)	Boiler Room Boiler	ND	PLM
83	Boiler Rib Clean-Out Plate Gasket (Rope)	Boiler Room Boiler	ND	PLM
84	Boiler Rib Clean-Out Plate Gasket (Wool)	Boiler Room Boiler	ND	PLM
85	Boiler Rib Clean-Out Plate Gasket (Wool)	Boiler Room Boiler	ND	PLM

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
86	Boiler Rib Clean-Out Plate Gasket (Wool)	Boiler Room Boiler	ND	PLM
87	Boiler Rib Smooth Coat	Boiler Room Boiler	ND	PLM
88	Boiler Rib Smooth Coat	Boiler Room Boiler	ND	PLM
89	Boiler Rib Smooth Coat	Boiler Room Boiler	ND	PLM
90	Boiler Insulation Debris	Boiler Room Boiler	ND	PLM
91	Boiler Insulation Debris	Boiler Room Boiler	ND	PLM
92	Boiler Insulation Debris	Boiler Room Boiler	ND	PLM
93	Chimney Breeching Cement	Boiler Room Boiler	ND	PLM
94	Chimney Breeching Cement	Boiler Room Boiler	ND	PLM
95	Chimney Breeching Cement	Boiler Room Boiler	ND	PLM
Building B (81-106)				
1a	Stair Tread	Stores - Stair To Loft	ND	PLM
2a	Stair Tread	Stores - Stair To Loft	ND	PLM
3a	Glue Under Stair Tread	Stores - Stair To Loft	ND	PLM
4a	Glue Under Stair Tread	Stores - Stair To Loft	ND	PLM
5a	Pressboard	Bay 12	ND	PLM
6a	Pressboard	Bay 12	ND	PLM
7a	Exterior Window Glazing (Type 1)	Bay 11 - North Window	ND	PLM
8a	Exterior Window Glazing (Type 1)	Bay 12 - North Window	ND	PLM
9a	Exterior Window Glazing (Type 1)	Bay 11 - North Window	ND	PLM
10a	Exterior Window Glazing (Type 2)	Stores Loft - East Window	2%	PLM
11a	Exterior Window Glazing (Type 2)	Stores Loft - North Window	ND	PLM
12a	Exterior Window Glazing (Type 2)	Stores Loft - South Window	<1%	PLM
13a	Exterior Window Frame Caulk	Stores Loft - East Window	ND	PLM
14a	Exterior Window Frame Caulk	Bay 11 - North Window	ND	PLM
15a	Exterior Door Frame Caulk	Bay 11 - Exterior Door	ND	PLM
16a	Exterior Door Frame Caulk	Bay 13 - Exterior Door	ND	PLM
17a	Exterior Bay Door Column Caulk	Bay 13 - Exterior	ND	PLM
18a	Exterior Bay Door Column Caulk	Bay 13 - Exterior	ND	PLM
19a	Exterior Chimney Clean-Out Door Sealant	Chimney Exterior	ND	PLM
20a	Exterior Chimney Clean-Out Door Sealant	Chimney Exterior	ND	PLM
21a	Chimney Breeching Cement	Boiler Room	65%	PLM
22a	Chimney Breeching Cement	Boiler Room	65%	PLM
23a	Chimney Breeching Cement	Boiler Room	65%	PLM
24a	Gray Asphalt Roof Shingle (Top Layer)	Main Roof	ND	PLM
25a	Gray Asphalt Roof Shingle (Top Layer)	Penthouse Roof	ND	PLM
26a	Gray Asphalt Roof Shingle (Bottom Layer)	Main Roof	ND	PLM
27a	Gray Asphalt Roof Shingle (Bottom Layer)	Penthouse Roof	ND	PLM
28a	Felt Paper Under Asphalt Roof Shingles	Penthouse Roof	ND	PLM
29a	Felt Paper Under Asphalt Roof Shingles	Main Roof	ND	PLM
30a	Heavy Duty (50 Pound) Felt	North Side Of Penthouse	ND	PLM

Sample No.	Material Type	Sample Location	Asbestos Content	PLM/TEM
31a	Heavy Duty (50 Pound) Felt	North Side Of Penthouse	ND	PLM
32a	Black Roll Roofing	Shed Roof Over Boiler Room	35%	PLM
33a	Black Roll Roofing	Shed Roof Over Boiler Room	40%	PLM
34a	Adhesive Under Black Roll Roofing	Shed Roof Over Boiler Room	15%	PLM
35a	Adhesive Under Black Roll Roofing	Shed Roof Over Boiler Room	15%	PLM
36a	Gray Flashing Cement	Base Of Penthouse	20%	PLM
37a	Gray Flashing Cement	Shed Roof Over Boiler Room	20%	PLM
38a	Chimney Wall Interface Caulk	Exterior Wall Above Boiler Room	ND	PLM
39a	Chimney Wall Interface Caulk	Exterior Wall Above Boiler Room	ND	PLM
40a	Boiler Insulation	Boiler Room -Boiler	ND	PLM
41a	Boiler Insulation	Boiler Room -Boiler	ND	PLM
42a	Boiler Insulation	Boiler Room -Boiler	ND	PLM
43a	Front Boiler Clean-Out Door Gasket	Boiler Room -Boiler	ND	PLM
44a	Front Boiler Clean-Out Door Gasket	Boiler Room -Boiler	ND	PLM
45a	Front Boiler Clean-Out Door Gasket	Boiler Room -Boiler	ND	PLM
46a	Cementitious Burner Sealant	Boiler Room -Boiler	ND	PLM
47a	Cementitious Burner Sealant	Boiler Room -Boiler	ND	PLM
48a	Cementitious Burner Sealant	Boiler Room -Boiler	ND	PLM
49a	Fire Brick	Boiler Room -Boiler	ND	PLM
50a	Fire Brick	Boiler Room -Boiler	ND	PLM
51a	Fire Brick	Boiler Room -Boiler	ND	PLM
52a	Old Fire Chamber Plate Sealant	Boiler Room -Boiler	10%	PLM
53a	Old Fire Chamber Plate Sealant	Boiler Room -Boiler	10%	PLM
54a	Old Fire Chamber Plate Sealant	Boiler Room -Boiler	10%	PLM
55a	Rear Boiler Clean-Out Door Gasket	Boiler Room -Boiler	ND	PLM
56a	Rear Boiler Clean-Out Door Gasket	Boiler Room -Boiler	ND	PLM
57a	Rear Boiler Clean-Out Door Gasket	Boiler Room -Boiler	ND	PLM
58a	Refractory Cement	Boiler Room -Boiler	ND	PLM
59a	Refractory Cement	Boiler Room -Boiler	ND	PLM
60a	Refractory Cement	Boiler Room -Boiler	ND	PLM

NA/Pos Stop = Not Analyzed/ Positive Stop, ND = None Detected, NS = Not Submitted due to EnviroMed Previously Sampled

Table 2
Summary of Asbestos-Containing Materials Inventory

Material Type	Location	Asbestos Content	Estimated Total Quantity	Comments
Roof Cement And Underlying Asphaltic Paper	Building A & B - All Penetrations, Base Flashings - Associated With Chimneys, Roof Building Material Transition Areas, Upper And Lower Roofs, Boiler Room Roof	9%, 10%, 20%, 35% Chrysotile	400 SF	Cupola Perimeter Base Flashing (Assumed Under Newer Aluminum Flashing & Wood Siding) Is 650 LF Total For Building A&B. Assume 6" May Remain On Cupola Or 325 SF And Flashing Associated With Chimneys
Black Roll Roofing And Associated Asphaltic Cements	Building B - Shed Roof Over Boiler Room	15%, 35% & 40%	150 SF	
Interior/Exterior Window Glazing Compounds And Caulking Compounds	Building A & B -All Window Types	<1%, 2%, 3% Anthophyllite, <1% , 2%, 3% Chrysotile	129 Windows (Various Sizes)	89 Windows In Brick Walls & 40 Windows In Building A Cupola PCB > 1 Ppm, < 50 Ppm Interior Window Glazing
Exterior Door Caulking Compounds (Associated With Passage Doors Frame And Bay Door Frames)	Building A & B - All Door Types	<1%, 3%, 4% Anthophyllite, 2% Chrysotile	12 - Single Passage Doors 1 - Double Passage Door 13 - Bay Doors	Bay Door Caulk Not ACM
Transite Roof Tile Under Red/Green Asphalt Roof Shingle	Building A & B - Penthouse Roofs	25%, 30%	NA	Did Not See Evidence Still Present In The Field. Assumed Removed.
Inspection Door Rope Gasket	Building B - Boiler Room Boiler	80% Chrysotile	NA	Abated In 2001
Chimney Breeching Cement	Building B - Boiler Room	65% Chrysotile	NA	Abated In 2001
Old Fire Chamber Plate Sealant	Building B -Boiler Room -Boiler	10% Chrysotile, <1% Amosite	NA	Abated In 2001

LF = Linear Feet, SF = Square Feet, EA=Each

Table 3
PCB Bulk Sample Analytical Results

Sample Location	Material Color & Type	Sample No.	PCB Content (Mg/Kg)	Substrate
Building A (North Building)				
North Side, West Window Frame/Brick	Hard Tan Caulk	111517EC-04A	ND	Brick
South Side, West Window Frame/Brick	Hard Tan Caulk	111517EC-04B	ND	Brick
East Side, North Window Frame/Brick	Hard Tan Caulk	111517EC-04C	ND	Brick
North Side, West Window	Hard Tan Glazing Compound	111517EC-05A	ND	Wood Sash

Sample Location	Material Color & Type	Sample No.	PCB Content (Mg/Kg)	Substrate
South Side, West Window	Hard Tan Glazing Compound	111517EC-05B	ND	Wood Sash
East Side, North Window	Hard Tan Glazing Compound	111517EC-05C	ND	Wood Sash
Overhead Bay Door 6 Frame / Brick	Rubbery Grey Caulk	111517EC-06A	ND	Brick
Overhead Bay Door 7 Frame / Brick	Rubbery Grey Caulk	111517EC-06B	ND	Brick
Overhead Bay Door 9 Frame / Brick	Rubbery Grey Caulk	111517EC-06C	ND	Brick
South Side West Steel Passage Door at Wood Frame / Brick	Rubbery Grey Caulk*	111517EC-07A	ND	Brick
South Side East Metal Passage Door at Metal Frame / Brick	Rubbery Grey Caulk*	111517EC-07B	ND	Brick
North Side Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White Caulk	111517EC-08A	ND	Brick
South Side East Original Wood Passage Door at Wood Frame / Brick ("State of CT")	Original Hard White Caulk	111517EC-08B	ND	Brick
South Side East Metal Passage Door Opening Residual Caulk on Brick / Stone	Hard White Caulk	111517EC-08C	ND	Brick/Stone
Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick - Interior	Newer Dark Grey Caulk*	111517EC-09C	ND	Brick
Area 10 South wall Center Window Interior Wood/Brick	White Interior Window Caulk*	111517EC-44A	ND	Brick
Area 5 West Entry Interior Window	Tan Int. Window Glazing	111517EC-45A	1.2	Wood Sash
Area 5 West Entry Interior Window	Tan Int. Window Glazing	111517EC-45B	0.97	Wood Sash
Area 5 North Office Interior Window	Tan Interior Window Glazing	111517EC-45C	ND	Wood Sash
Building B (South Building)				
East End, 2 nd Floor North Window Frame/Brick	Hard Tan Caulk	111517EC-16A	ND	Brick
North Side, Center Window over Door Frame/Brick	Hard Tan Caulk	111517EC-16B	ND	Brick
South Side, West Window Frame/Brick	Hard Tan Caulk	111517EC-16C	ND	Brick
East End, 2 nd Floor North Window Frame	Hard Tan Glazing Compound	111517EC-17A	ND	Brick
North Side, Center Window Frame/Brick over Door	Hard Tan Glazing Compound	111517EC-17B	ND	Brick

Sample Location	Material Color & Type	Sample No.	PCB Content (Mg/Kg)	Substrate
South Side, West Window Frame/Brick	Hard Tan Glazing Compound	111517EC-17C	ND	Brick
East End Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk	111517EC-18A	ND	Brick
South Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk	111517EC-18B	ND	Brick
East End Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk	111517EC-18C	ND	Brick
North Side Center Metal Passage Door at Metal Frame / Brick	White Caulk	111517EC-19A	ND	Brick
North Side West Metal Passage Door at Wood Frame / Brick	White Caulk	111517EC-19B	ND	Brick
Area 5 North Side Door at Wood Frame / Brick	White Caulk	111517EC-19D	ND	Brick
North Side East Door at Wood Frame / Brick	White/Grey Caulk	111517EC-20	ND	Brick

* Material appeared similar in the field. Material removed from samples groups due to different appearance noted during sample logging in our field technician room. Additional samples should be collected to verify content.

Table 4
DEHP-Containing Light Ballasts Inventory

Type	Estimated Quantity
Building A	
DEHP	88
Building B	
DEHP	74
Total	162

Table 5
Mercury-Containing Equipment Inventory

Type	Estimated Quantity
Building A	
4' Light Tube	53
8' Light Tube	122
Building B	
1' Light Tube	38
4' Light Tube	28
8' Light Tube	112

Appendix A

Limitations

APPENDIX A

Former Scovil Hoe Mill 11 Candlewood Hill Road Higganum, CT

1. This inspection report for the former Scovil Hoe Mill located at 11 Candlewood Hill Road, Higganum, CT (the "Site") has been prepared for the exclusive use of the Town of Haddam (the "Client") and is subject to, and is issued in connection with the 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 Site 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 or demolition activities that may disturb these materials at Site. 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 inspection.
5. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our original Agreement (July 11, 2017), which reflects schedule and budgetary constraints imposed by 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 the EnviroScience's attention. Based upon an evaluation and assessment of relevant information, EnviroScience may modify the letter report and its conclusions.
7. 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.

Appendix B

EnviroScience Inspector Licenses and Accreditations

1000394 01 AT 0.396 **AUTO T1 0 0564 06040-599246 -C01-P00396-I



ERIC W. COOLEY
FUSS & O'NEIL ENVIRO SCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992

Dear ERIC W. COOLEY,

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		
ERIC W. COOLEY		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-561953	000279	01/31/18
PROFESSION		
ASBESTOS CONSULTANT-INSP/MGMT PLANNER		
SIGNATURE		COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented in 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-INSP/MGMT PLANNER	
ERIC W. COOLEY	CERTIFICATE NO. 000279
	CURRENT THROUGH 01/31/18
	VALIDATION NO. 03-561953
SIGNATURE	

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME		
ERIC W. COOLEY		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-561953	000279	01/31/18
PROFESSION		
ASBESTOS CONSULTANT-INSP/MGMT PLANNER		
SIGNATURE		COMMISSIONER

Certificate of Training

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

Awarded to

ERIC COOLEY

For successful completion of an 8 Hour, 1 Day
Asbestos Inspector & Management Planner
Annual Refresher Training
AUGUST 28 & 30, 2017

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

Presented by


Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: IMPR26117

Exam Grade: 100

Expiration Date: 08/30/2018

Exam Date: 08/30/2017


George Williamson, Training Director


Christopher J. Eident, CIH, CSP, RS

Richard Haffey, Training Director

1000395 01 AT 0.396 **AUTO 11 0 0564 06040-599246 -C01-P00397-I



ERIC W COOLEY
FUSS & O'NEIL ENVIRO SCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040-5992

Dear ERIC W COOLEY,

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 ERIC W COOLEY		
VALIDATION NO. 03-561954	CERTIFICATE NO. 002195	CURRENT THROUGH 01/31/18
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	
ERIC W COOLEY	CERTIFICATE NO. 002195
	CURRENT THROUGH 01/31/18
	VALIDATION NO. 03-561954
 SIGNATURE	 COMMISSIONER

WALLET CARD		
STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH		
NAME ERIC W COOLEY		
VALIDATION NO. 03-561954	CERTIFICATE NO. 002195	CURRENT THROUGH 01/31/18
PROFESSION LEAD INSPECTOR		
 SIGNATURE	 COMMISSIONER	

CERT#: L-500-204

**CHEMSCOPE TRAINING DIVISION
LEAD INSPECTOR REFRESHER
8 HOUR TRAINING CERTIFICATE**

Eric Cooley

146 Hartford Road, Manchester CT

Has attended an 8 hour course on the subject discipline in English on


3/24/2017 and has passed a written examination.

The above individual has successfully completed the above training course approved in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes.

Course syllabus includes all required topics of State of Connecticut DPH and EPA.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State or local requirements.

**Examination Score: 98%
Exam Date: 3/24/2017
Expiration Date: 3/24/2018**


Ronald D. Arena
Training Manager

**Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
Phone: 203.865.5605
www.chem-scope.com**

1000617 01 AB 0.400 **AUTO T2 0 0864 06040 599246 C01 P00619-1



STACY VANDERVEER
FUSS AND O'NEILL ENVIROSCIENCE
146 HARTFORD RD
MANCHESTER CT 06040-5992



Dear STACY VANDERVEER,

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		
STACY VANDERVEER		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-589417	000866	04/30/18
PROFESSION		
ASBESTOS CONSULTANT-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	
ASBESTOS CONSULTANT-INSPECTOR	
STACY VANDERVEER	
CERTIFICATE NO. 000866	
CURRENT THROUGH 04/30/18	
VALIDATION NO. 03-589417	
 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		
STACY VANDERVEER		
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-589417	000866	04/30/18
PROFESSION		
ASBESTOS CONSULTANT-INSPECTOR		
 SIGNATURE		 COMMISSIONER

Certificate of Training

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

Awarded to

STACY VANDERVEER

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

**Asbestos Building Inspector
Annual Refresher Training**

AUGUST 28, 2017

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: ABIRF26114

Exam Grade: 100

Expiration Date: 08/28/2018

Exam Date: 08/28/2017

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

George Williamson
George Williamson, Training Director

Richard Haffey
Richard Haffey, Training Director

CERTIFICATE OF ACHIEVEMENT

This certifies that

Stacy Vanderveer

28 Hemlock Street, Newington, CT 06111

has successfully completed the
EPA Model Lead Inspector Technician Training
745.225

conducted by

ATC Group Services LLC

73 William Franks Drive

West Springfield, MA 01089

(413) 781-0070



Neal S. Freuden

Principal Instructor: Neal Freuden

November 27-29, 2017

Date of Course

May 29, 2018

Interim Certification Expiration

Gregory Morsch

Regional Training Director: Gregory Morsch

ELL-1161

Certificate Number

November 29, 2017

Examination Date

Appendix C

EnviroMed 2001 Asbestos Inspection Report



**Asbestos Inspection Report
for
Department of Transportation
Higganum Repair Garages
Buildings #81-115 and #81-106
Higganum, Connecticut**

prepared for:

State of Connecticut
Department of Transportation
Newington, Connecticut 06111

August 28 and 29, 2001

EnviroMed Project # IH-01-653

25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579

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II. SAMPLE LOCATION DIAGRAMS.....	5
III. SAMPLE LOG AND RESULTS TABLE.....	12
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I. PROJECT NARRATIVE

Overview

On August 28 and 29, 2001, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed an inspection at the Department of Transportation facility – Higganum Repair Garage (including Building #81-106 and Building #81-115), located in Higganum, Connecticut. The purpose of this inspection was to identify the presence of asbestos in suspect building materials, so that any asbestos-containing material could be identified prior to periodic maintenance or renovation.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of ninety-three (93) bulk samples were collected from Building #81-115. The materials sampled include: 12"x12" tan with brown and white flecks vinyl floor tile and associated mastic, 4" brown cove molding and associated glue, brown linoleum, wallboard and associated joint compound, paper-pressboard, 2'x4' suspended ceiling tile with fat, shallow grooves and holes, ceiling board, three types of interior door frame caulk, exterior door frame caulk, interior and exterior window frame caulk, four types of window glazing, attic insulation, wall penetration caulk, red/green asphalt roof shingle, black asphalt roof shingle, gray flashing cement, gray flashing paper, heavy duty (50-pound) roofing felt, residual bay door column caulk, transite roof tile, boiler front clean-out plate gasket, front inner clean-out plate insulation, front outer clean-out plate insulation, inspection door rope gasket, fire brick, boiler rib clean-out plate gasket (rope), boiler rib clean-out plate gasket (wool), boiler rib smooth coat, boiler insulation debris, and chimney breeching cement.

A total of sixty-two (62) bulk samples were collected from Building #81-106. The materials sampled include: black stair tread and associated glue, pressboard, two types of exterior window glazing, exterior window frame caulk exterior door frame caulk, exterior bay door column caulk, chimney clean-out door sealant, chimney breeching cement, gray asphalt roof shingle, black asphalt roof shingle, red/green asphalt roof shingle, roofing felt paper, heavy duty (50-pound) roofing felt, black roll roofing and associated adhesive, gray flashing cement, chimney/wall interface caulk, boiler insulation, boiler front clean-out door gasket, cementitious burner sealant, fire brick, old fire chamber plate sealant, rear clean-out door gasket, and refractory cement.

Refer to Section II, Bulk Sample Location Diagrams, for bulk sample locations and identification.

Summary of Results

Carolina Environmental, Inc.'s accredited asbestos laboratory (NVLAP #1011768-0) analyzed the bulk samples. Section III presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

Building #81-115

Penthouse Roof

There is approximately 1,900 square feet of transite roof tile located underneath red/green asphalt roof shingles on this roof. The transite roof tile was found to contain 25-30 percent asbestos. The red/green asphalt roof shingle was found to contain no asbestos.

Main Roof

There is approximately 405 square feet of gray flashing cement located along the base of penthouse and around the vent tube on this roof. This material was found to contain 20 percent asbestos.

There is approximately 30 square feet of gray flashing cement over gray flashing paper located at the base of three chimneys on this roof. The gray flashing cement was found to contain 20 percent asbestos. The gray flashing paper was found to contain 35 percent asbestos.

Exterior Windows

There is approximately 45 type-1 exterior windows sealed with interior and exterior window frame caulk and exterior window glazing in the main level of this building. The interior window frame caulk (~1.75 square feet per window) was found to contain 3 percent asbestos. The exterior window glazing (~8 square feet per window) was found to contain 2 percent asbestos. The exterior window frame caulk was found to contain no asbestos.

Boiler Room

There is approximately 1 square foot of inspection door rope gasket located on the front door of the boiler in this room. This material was found to contain 80 percent asbestos.

Building #81-106

Boiler Room Roof

There is approximately 150 square feet of black roll roofing with underlying adhesive applied on this roof. The black roll roofing was found to contain 35-40 percent asbestos. The adhesive was found to contain 15 percent asbestos.

There is approximately 80 square feet of gray flashing cement located along the perimeter of this roof and on the wall below the main roof and on the chimney. This material was found to contain 20 percent asbestos.

Main Roof

There is approximately 250 square feet of gray flashing cement located along the base of penthouse on this roof. This material was found to contain 20 percent asbestos.

Loft Level Windows

There is approximately 11 type-2 exterior windows sealed with exterior window frame caulk and exterior window glazing located in the upper level of the stores loft in this building. The exterior window glazing (~6 square feet per window) was found to contain 2 percent asbestos. The exterior window frame caulk was found to contain no asbestos.

Boiler Room

There is approximately 3 square feet of chimney breeching cement located in this room. This material was found to contain 65 percent asbestos.

There is approximately 5 linear feet of old fire chamber plate sealant located in the front of the boiler in this room. This material was found to contain 10 percent asbestos.

Non-Asbestos Containing Materials Found During the Inspection

The following materials in Building #81-115 were found to contain legally insignificant amounts (0-1 percent) of asbestos: 12"x12" tan with brown and white flecks vinyl floor tile and associated mastic, 4" brown cove molding and associated glue, brown linoleum, wallboard and associated joint compound, paper-pressboard, 2'x4' suspended ceiling tile with fat, shallow grooves and holes, ceiling board, three types of interior door frame caulk, exterior door frame caulk, exterior

window frame caulk, three types of window glazing, attic insulation, wall penetration caulk, red/green asphalt roof shingle, black asphalt roof shingle, heavy duty (50-pound) roofing felt, residual bay door column caulk, boiler front clean-out plate gasket, front inner clean-out plate insulation, front outer clean-out plate insulation, fire brick, boiler rib clean-out plate gasket (rope), boiler rib clean-out plate gasket (wool), boiler rib smooth coat, boiler insulation debris, and chimney breeching cement.

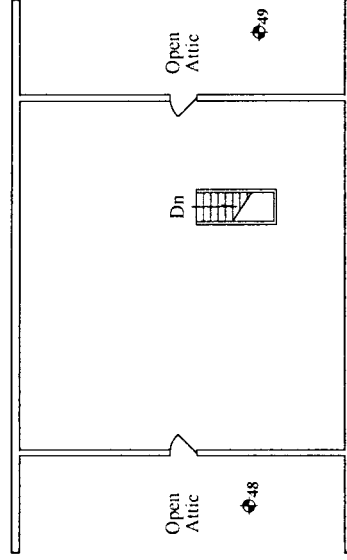
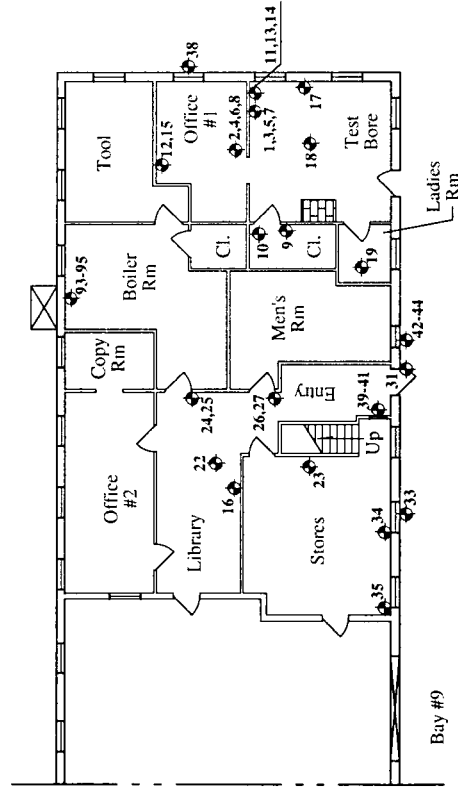
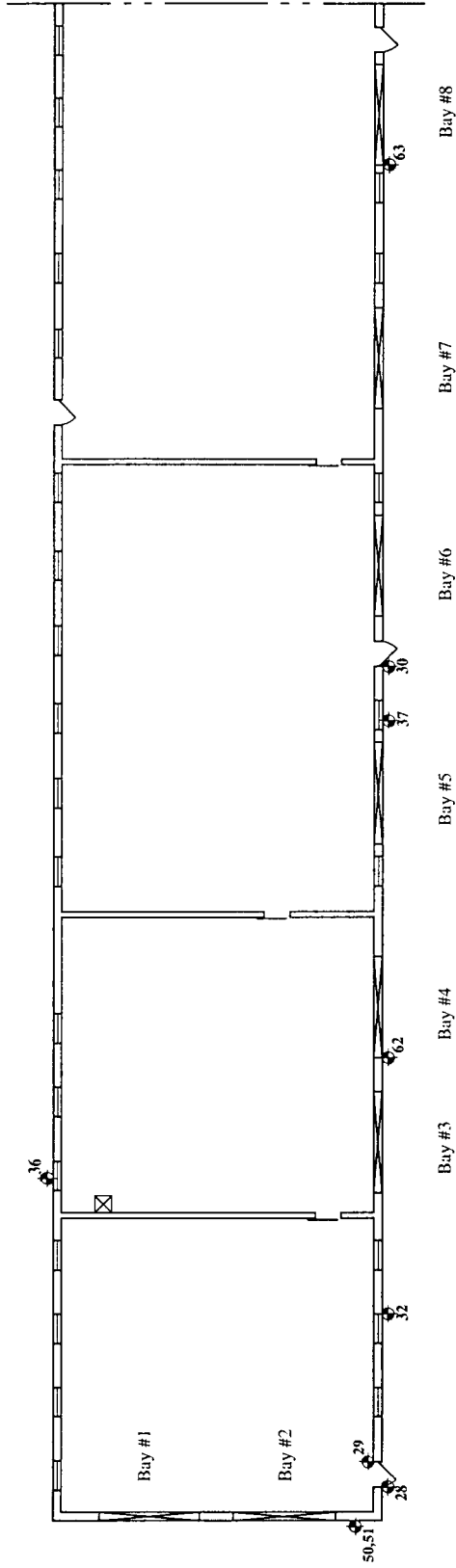
The following materials in Building #81-106 were found to contain legally insignificant amounts (0–1 percent) of asbestos: black stair tread and associated glue, pressboard, exterior window glazing on the main level windows, exterior window frame caulk, exterior door frame caulk, exterior bay door column caulk, chimney clean-out door sealant, gray asphalt roof shingle, black asphalt roof shingle, red/green asphalt roof shingle, roofing felt paper, heavy duty (50-pound) roofing felt, chimney/wall interface caulk, boiler insulation, boiler front clean-out door gasket, cementitious burner sealant, fire brick, rear clean-out door gasket, and refractory cement

See Section IV for a copy of the laboratory analysis sheets for the samples collected.

Additional Notes:

1. EnviroMed strongly recommends the use of Transmission Electron Microscopy (TEM) on vinyl floor tiles in cases where both the vinyl floor tile and flooring mastic were found to contain 1% or less asbestos using Polarized Light Microscopy (PLM). PLM has been found to give “false negative” results on floor tile samples due to the fact that the asbestos fibers are tightly bound into the matrix of the floor tile. As a result the asbestos cannot be easily detected using PLM. The use of the TEM analytical method will definitively determine whether or not the floor tile contains legally significant amounts of asbestos.
2. The possibility exists that suspect asbestos-containing materials may be located behind fixed walls, under fixed flooring or above fixed ceilings. During renovation activities, upon the penetration or demolition of a fixed wall or ceiling, should any suspect materials be seen or become accessible, all activities shall cease and the materials shall be sampled by a licensed inspector to determine the presence of asbestos.
3. This inspection report shall not be used as a scope of work for asbestos abatement. The asbestos design specifications prepared by a licensed asbestos project designer shall only be utilized for the asbestos abatement.

II. SAMPLE LOCATION DIAGRAMS



Stores - Second Floor

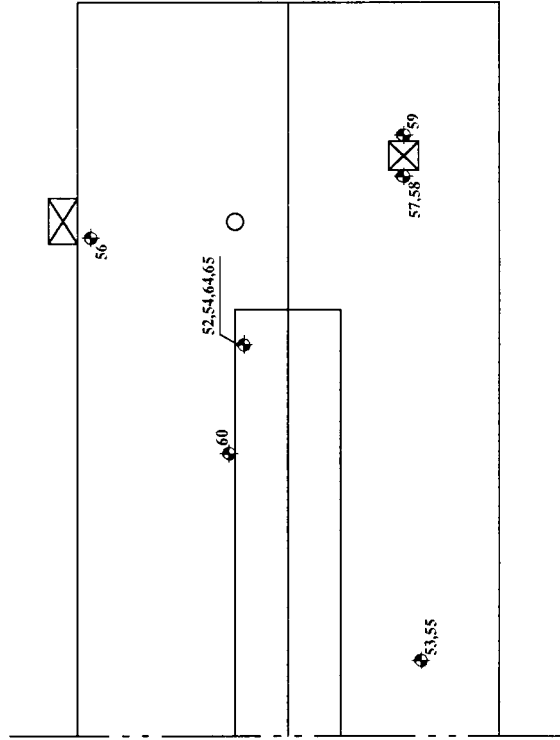
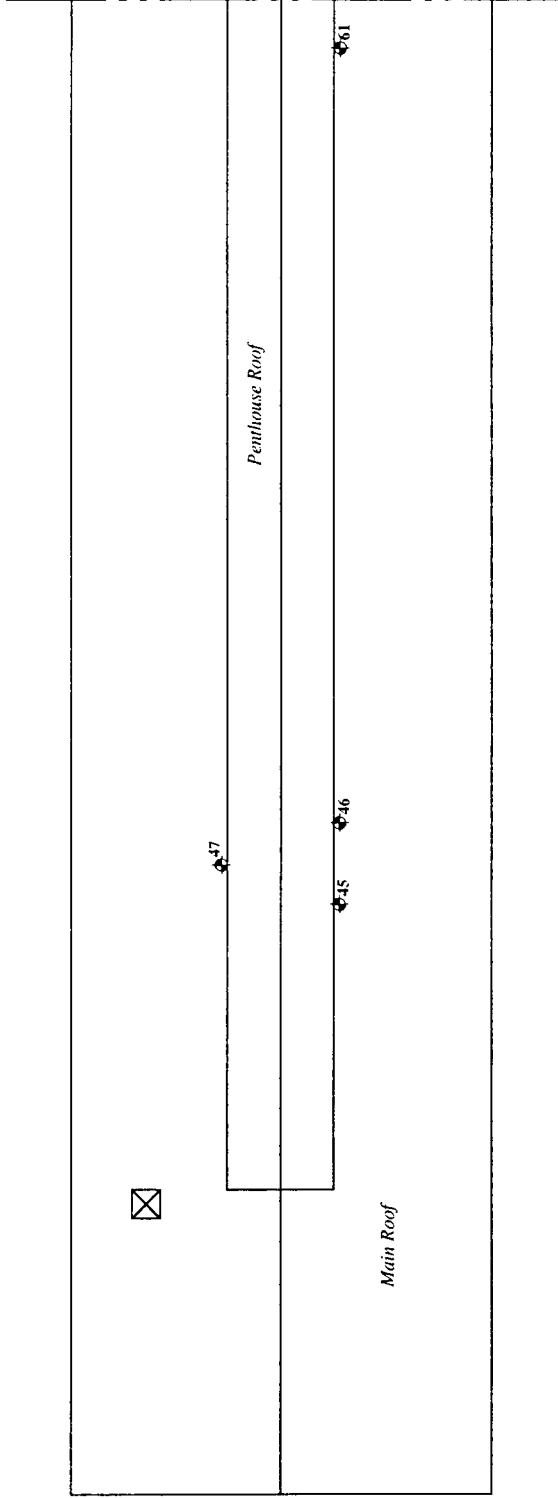


Legend :
 ◆ = Sample Number & Location

Drawing Title: **Asbestos Bulk Sample Location Diagram**

Prepared by:	EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 8/28/29/01
Project:	Higginum DOT Repair Garage Bldg #81-115 - Floor Plan Higginum, Connecticut	Scale: N.T.S.
Prepared for:	State of Connecticut Department of Transportation Newington, Connecticut	Drawn By: DER
		Approved By: J.F.
		Drawing No. 1 of 6

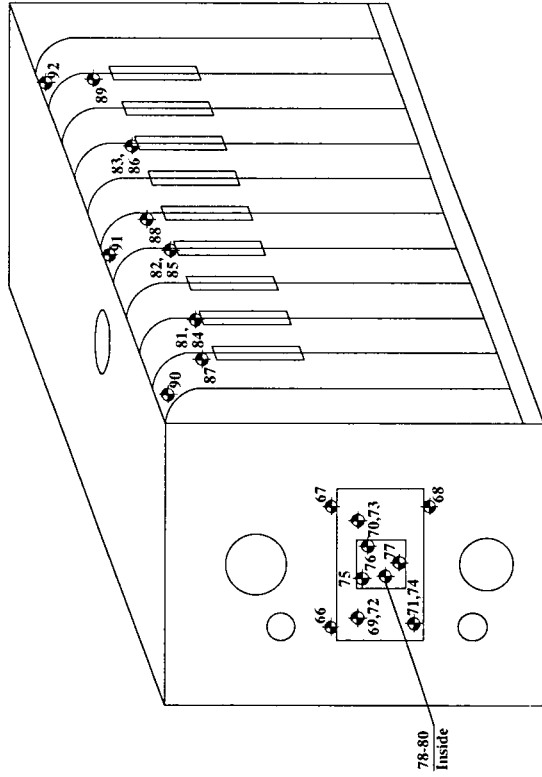
EMS # JH-01-657



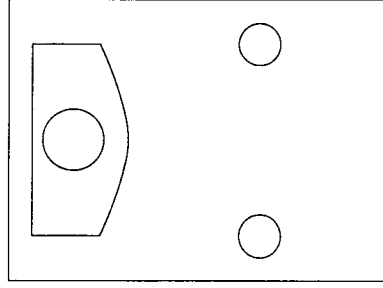
- Legend :**
- ⬢ = Sample Number & Location
 - ⊠ = Chimney
 - = Vent Tube



Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 8/28/2901
Project: Higganum DOT Repair Garage Bldg #81-115 - Roof Plan Higganum, Connecticut	Scale: N.T.S.
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	Drawn By: DER
	Approved By: J.F.
	Drawing No. 2 of 6
EMAS # IH-01.653	



Front of Boiler

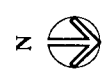
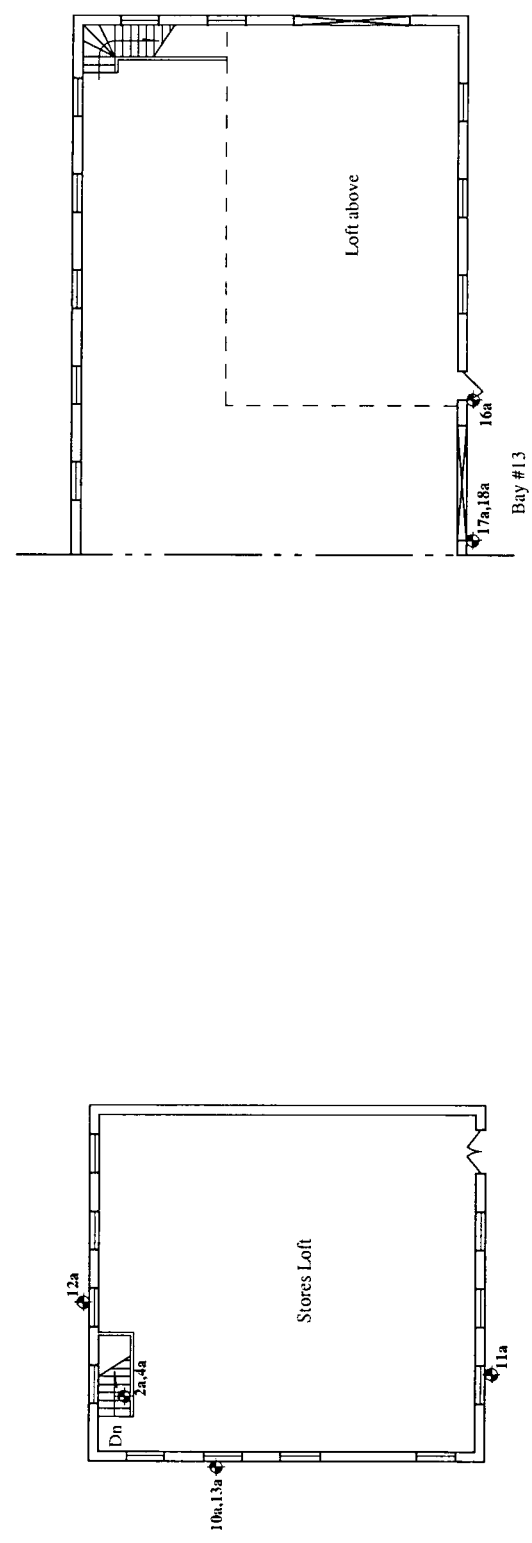
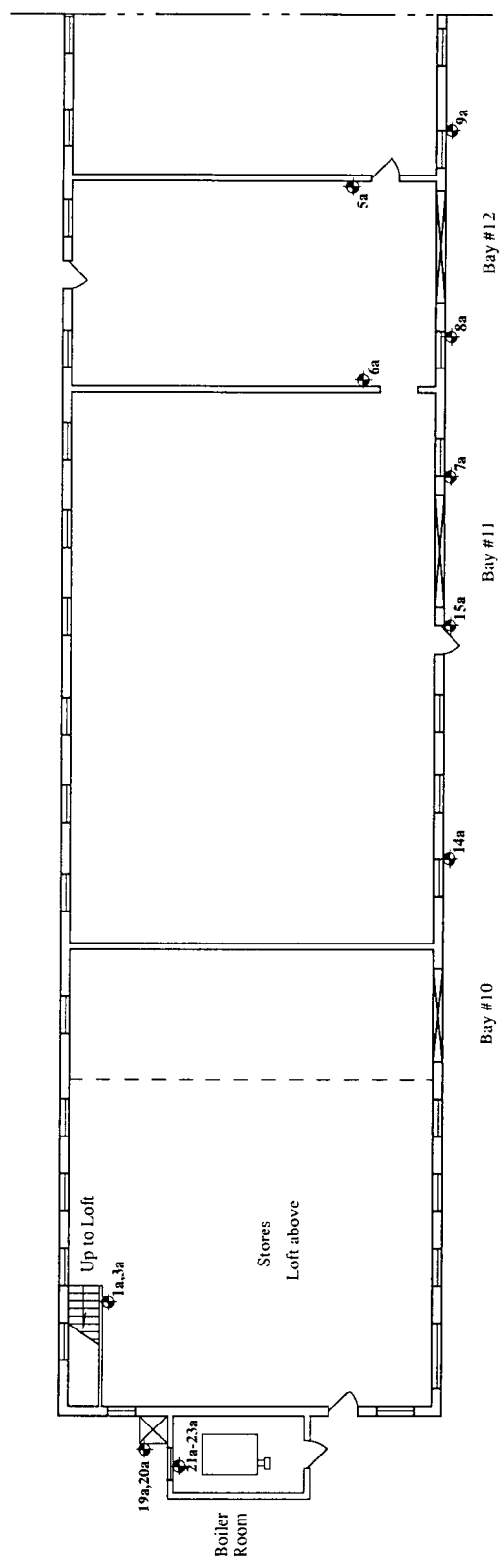


Rear of Boiler

Legend :

◆ = Sample Number & Location

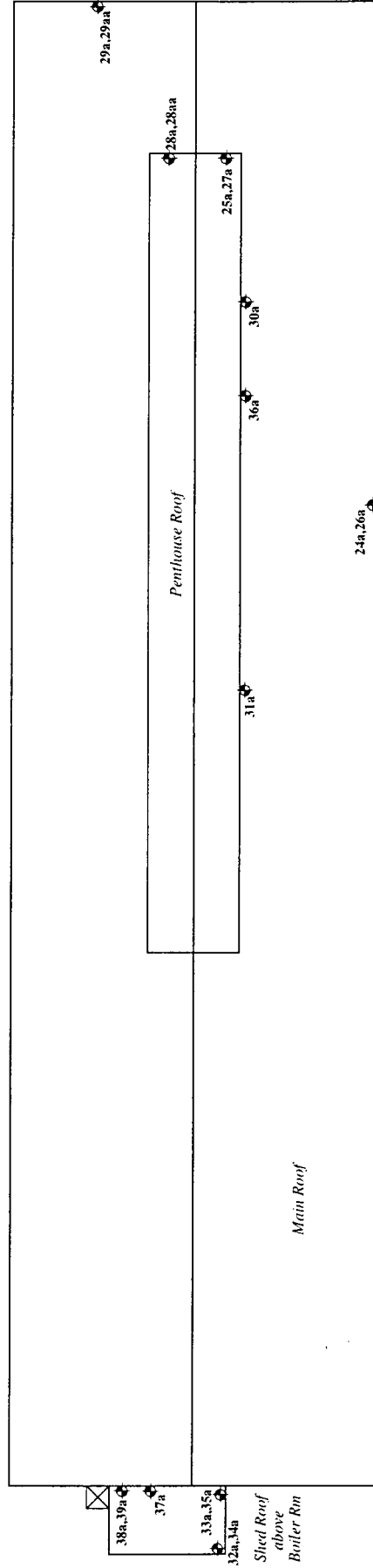
Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 8/28,29/01
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Scale: N.T.S.	Drawn By: DER
Project: Higganum DOT Repair Garage Bldg #81-115 - Boiler View Higganum, Connecticut	Approved By: J.F.	Drawing No. 3
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	<div> <div>EMS # IH-01-653</div> <div>1</div> </div>	



Legend :
 ◆ = Sample Number & Location

Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 8/28, 29/01
Project: Higganum DOT Repair Garage Bldg #81-106 - Floor Plan Higganum, Connecticut	Scale: N.T.S.
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	Drawn By: DER
	Approved By: J.F.
	Drawing No. 4 of 6

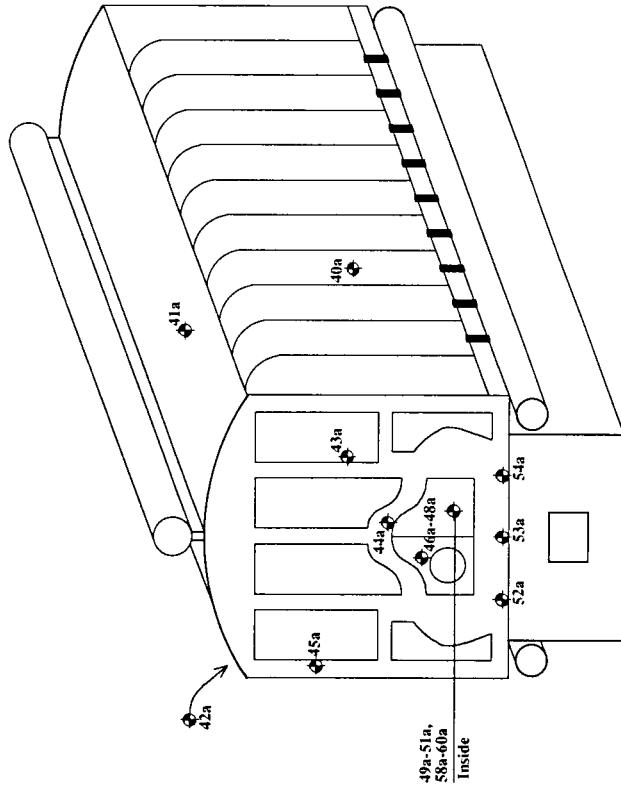
EMS # IH-01-653



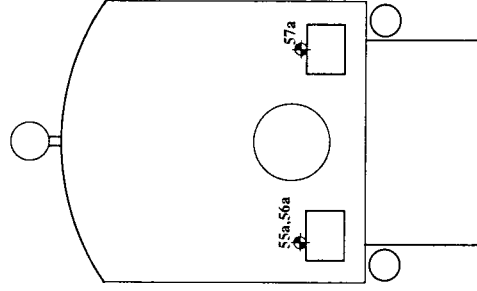
Legend :

◆ = Sample Number & Location

Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 8/28, 29/01
Project: Higganum DOT Repair Garage Bldg #81-106 - Roof Plan Higganum, Connecticut	Scale: N.T.S.
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	Drawn By: DER Approved By: J.F.
EMS # IH-01-653	Drawing No. 5 th 6



Front of Boiler



Rear of Boiler

Legend :

◆ = Sample Number & Location

Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 8/28/29/01
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Scale: N.T.S.	
Project: Higganum DOT Repair Garage Bldg #81-115 - Boiler View Higganum, Connecticut	Drawn By: DER	
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	Approved By: J.F.	
Drawing No. 6 of 6		EMS # 01-01-653

III. SAMPLE LOG AND RESULTS TABLE

Bulk Samples from Building #81-115

Sample Number	Location	Material Sampled	Percent Asbestos
1	building 81-115 test bore room	12"x12" tan with brown and white flecks vinyl floor tile	NAD
2	building 81-115 office #1	12"x12" tan with brown and white flecks vinyl floor tile	NAD
3	building 81-115 test bore room	mastic under 12"x12" tan with brown and white vinyl floor tile	NAD
4	building 81-115 office #1	mastic under 12"x12" tan with brown and white vinyl floor tile	NAD
5	building 81-115 test bore room	4" brown cove molding	NAD
6	building 81-115 office #1	4" brown cove molding	NAD
7	building 81-115 test bore room	glue behind 4" brown cove molding	NAD
8	building 81-115 office #1	glue behind 4" brown cove molding	NAD
9	building 81-115 closet in test bore room	brown linoleum	NAD
10	building 81-115 closet in test bore room	brown linoleum	NAD
11	building 81-115 test bore room	wallboard/sheetrock	NAD
12	building 81-115 office #1	wallboard/sheetrock	NAD
13	building 81-115 test bore room	wallboard joint compound	NAD
14	building 81-115 test bore room	wallboard joint compound	NAD
15	building 81-115 office #1	wallboard joint compound	NAD
16	building 81-115 library	paper-pressboard	NAD
17	building 81-115 test bore room	paper-pressboard	NAD
18	building 81-115 test bore room	2'x4' suspended ceiling tile with fat, shallow grooves and holes	NAD
19	building 81-115 ladies room	2'x4' suspended ceiling tile with fat, shallow grooves and holes	NAD
20-21	void	void	void
22	building 81-115 library	ceiling board	NAD
23	building 81-115 stores	ceiling board	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
24	building 81-115 door between library & boiler room	interior door frame caulk (gray)	NAD
25	building 81-115 door between library & boiler room	interior door frame caulk (gray)	NAD
26	building 81-115 door from entry to library	interior door frame caulk (white)	NAD
27	building 81-115 door from entry to library	interior door frame caulk (white)	NAD
28	building 81-115 bays 1 & 2 - exit door	exterior door frame caulk (brown)	NAD
29	building 81-115 bays 1 & 2 - exit door	interior door frame caulk (brown)	NAD
30	building 81-115 bay 6 - exit door	exterior door frame caulk	NAD
31	building 81-115 front entry door	exterior door frame caulk	NAD
32	building 81-115 bays 1 & 2 – south window	exterior window frame caulk	NAD
33	building 81-115 store window	exterior window frame caulk	NAD
34	building 81-115 store window	interior window frame caulk	3
35	building 81-115 store window	interior window frame caulk	3
36	building 81-115 bay 3 - north window	exterior window glazing (type 1)	2
37	building 81-115 bay 5 - south window	exterior window glazing (type 1)	NAD
38	building 81-115 office #1 window	exterior window glazing (type 1)	NAD
39	building 81-115 front entry interior window	interior window glazing (type 2)	NAD
40	building 81-115 front entry interior window	interior window glazing (type 2)	NAD
41	building 81-115 front entry interior window	interior window glazing (type 2)	NAD
42	building 81-115 men's room window	exterior window glazing (type 3)	NAD
43	building 81-115 men's room window	exterior window glazing (type 3)	<1
44	building 81-115 men's room window	exterior window glazing (type 3)	<1
45	building 81-115 penthouse window	exterior window glazing (type 4)	NAD
46	building 81-115 penthouse window	exterior window glazing (type 4)	NAD
47	building 81-115 penthouse window	exterior window glazing (type 4)	NAD
48	building 81-115 attic	Attic insulation	NAD
49	building 81-115 attic	Attic insulation	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
50	building 81-115 exterior wall outside bay 2	wall penetration caulk	NAD
51	building 81-115 exterior wall outside bay 2	wall penetration caulk	NAD
52	building 81-115 penthouse roof	red/green asphalt roof shingle	NAD
53	building 81-115 main roof	red/green asphalt roof shingle	NAD
54	building 81-115 penthouse roof	black asphalt roof shingle under red/green asphalt roof shingle	NAD
55	building 81-115 main roof	black asphalt roof shingle under red/green asphalt roof shingle	NAD
56	building 81-115 main roof – base of chimney	gray flashing cement	20
57	building 81-115 main roof – base of chimney	gray flashing cement	20
58	building 81-115 main roof – base of chimney	gray flashing paper	35
59	building 81-115 main roof – base of chimney	gray flashing paper	35
60	building 81-115 north side of penthouse	heavy duty (50-pound) felt	NAD
61	building 81-115 south side of penthouse	heavy duty (50-pound) felt	NAD
62	building 81-115 exterior outside bay 4	residual bay door column caulk	NAD
63	building 81-115 exterior outside bay 8	residual bay door column caulk	NAD
64	building 81-115 penthouse roof	transite roof tile under red/green asphalt roof shingle	25
65	building 81-115 penthouse roof	transite roof tile under red/green asphalt roof shingle	30
66	building 81-115 boiler room - boiler	front clean-out plate gasket	NAD
67	building 81-115 boiler room - boiler	front clean-out plate gasket	NAD
68	building 81-115 boiler room - boiler	front clean-out plate gasket	NAD
69	building 81-115 boiler room - boiler	front inner clean-out plate insulation	NAD
70	building 81-115 boiler room - boiler	front inner clean-out plate insulation	NAD
71	building 81-115 boiler room - boiler	front inner clean-out plate insulation	NAD
72	building 81-115 boiler room - boiler	front outer clean-out plate insulation	NAD
73	building 81-115 boiler room - boiler	front outer clean-out plate insulation	NAD
74	building 81-115 boiler room - boiler	front outer clean-out plate insulation	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
75	building 81-115 boiler room - boiler	Inspection door rope gasket	80
76	building 81-115 boiler room - boiler	Inspection door rope gasket	80
77	building 81-115 boiler room - boiler	Inspection door rope gasket	80
78	building 81-115 boiler room - boiler	fire brick	NAD
79	building 81-115 boiler room - boiler	fire brick	NAD
80	building 81-115 boiler room - boiler	fire brick	NAD
81	building 81-115 boiler room - boiler	boiler rib clean-out plate gasket (rope)	NAD
82	building 81-115 boiler room - boiler	boiler rib clean-out plate gasket (rope)	NAD
83	building 81-115 boiler room - boiler	boiler rib clean-out plate gasket (rope)	NAD
84	building 81-115 boiler room - boiler	boiler rib clean-out plate gasket (wool)	NAD
85	building 81-115 boiler room - boiler	boiler rib clean-out plate gasket (wool)	NAD
86	building 81-115 boiler room - boiler	boiler rib clean-out plate gasket (wool)	NAD
87	building 81-115 boiler room - boiler	boiler rib smooth coat	NAD
88	building 81-115 boiler room - boiler	boiler rib smooth coat	NAD
89	building 81-115 boiler room - boiler	boiler rib smooth coat	NAD
90	building 81-115 boiler room - boiler	boiler insulation debris	NAD
91	building 81-115 boiler room - boiler	boiler insulation debris	NAD
92	building 81-115 boiler room - boiler	boiler insulation debris	NAD
93	building 81-115 boiler room	chimney breeching cement	NAD
94	building 81-115 boiler room	chimney breeching cement	NAD
95	building 81-115 boiler room	chimney breeching cement	NAD

NAD = No Asbestos Detected

Bulk Samples from Building #81-106

Sample Number	Location	Material Sampled	Percent Asbestos
1a	building 81-106 stores – stair to loft	stair tread	NAD
2a	building 81-106 stores – stair to loft	stair tread	NAD
3a	building 81-106 stores – stair to loft	glue under stair tread	NAD
4a	building 81-106 stores – stair to loft	glue under stair tread	NAD
5a	building 81-106 bay12	pressboard	NAD
6a	building 81-106 bay12	pressboard	NAD
7a	building 81-106 bay 11 - north window	exterior window glazing (type 1)	NAD
8a	building 81-106 bay 12 - north window	exterior window glazing (type 1)	NAD
9a	building 81-106 bay 11 - north window	exterior window glazing (type 1)	NAD
10a	building 81-106 stores loft – east window	exterior window glazing (type 2)	2
11a	building 81-106 stores loft – north window	exterior window glazing (type 2)	NAD
12a	building 81-106 stores loft – south window	exterior window glazing (type 2)	<1
13a	building 81-106 stores loft – east window	exterior window frame caulk	NAD
14a	building 81-106 bay 11 – north window	exterior window frame caulk	NAD
15a	building 81-106 bay 11 – exterior door	exterior door frame caulk	NAD
16a	building 81-106 bay 13 – exterior door	exterior door frame caulk	NAD
17a	building 81-106 bay 13 – exterior	exterior bay door column caulk	NAD
18a	building 81-106 bay 13 – exterior	exterior bay door column caulk	NAD
19a	building 81-106 chimney exterior	exterior chimney clean-out door sealant	NAD
20a	building 81-106 chimney exterior	exterior chimney clean-out door sealant	NAD
21a	building 81-106 boiler room	chimney breeching cement	65
22a	building 81-106 boiler room	chimney breeching cement	65
23a	building 81-106 boiler room	chimney breeching cement	65
24a	building 81-106 main roof	gray asphalt roof shingle (top layer)	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
25a	building 81-106 penthouse roof	gray asphalt roof shingle (top layer)	NAD
26a	building 81-106 main roof	gray asphalt roof shingle (bottom layer)	NAD
27a	building 81-106 penthouse roof	gray asphalt roof shingle (bottom layer)	NAD
28a	building 81-106 penthouse roof	felt paper under asphalt roof shingles	NAD
29a	building 81-106 main roof	felt paper under asphalt roof shingles	NAD
28aa	building 81-106 penthouse roof	red/green asphalt roof shingle under gray asphalt roof shingles	NAD
29aa	building 81-106 main roof	red/green asphalt roof shingle under gray asphalt roof shingles	NAD
30a	building 81-106 north side of penthouse	heavy felt (50-pound)	NAD
31a	building 81-106 north side of penthouse	heavy felt (50-pound)	NAD
32a	building 81-106 shed roof above boiler room	black roll roofing	35
33a	building 81-106 shed roof above boiler room	black roll roofing	40
34a	building 81-106 shed roof above boiler room	adhesive under black roll roofing	15
35a	building 81-106 shed roof above boiler room	adhesive under black roll roofing	15
36a	building 81-106 base of penthouse	gray flashing cement	20
37a	building 81-106 shed roof above boiler room	gray flashing cement	20
38a	building 81-106 exterior wall above boiler room	chimney/wall interface caulk	NAD
39a	building 81-106 exterior wall above boiler room	chimney/wall interface caulk	NAD
40a	building 81-106 boiler room - boiler	boiler insulation	NAD
41a	building 81-106 boiler room - boiler	boiler insulation	NAD
42a	building 81-106 boiler room - boiler	boiler insulation	NAD
43a	building 81-106 boiler room - boiler	front boiler clean-out door gasket	NAD
44a	building 81-106 boiler room - boiler	front boiler clean-out door gasket	NAD
45a	building 81-106 boiler room - boiler	front boiler clean-out door gasket	NAD
46a	building 81-106 boiler room - boiler	cementitious burner sealant	NAD
47a	building 81-106 boiler room - boiler	cementitious burner sealant	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
48a	building 81-106 boiler room - boiler	cementitious burner sealant	NAD
49a	building 81-106 boiler room - boiler	fire brick	NAD
50a	building 81-106 boiler room - boiler	fire brick	NAD
51a	building 81-106 boiler room - boiler	fire brick	NAD
52a	building 81-106 boiler room - boiler	old fire chamber plate sealant	10*
53a	building 81-106 boiler room - boiler	old fire chamber plate sealant	10*
54a	building 81-106 boiler room - boiler	old fire chamber plate sealant	10*
55a	building 81-106 boiler room - boiler	rear boiler clean-out door gasket	NAD
56a	building 81-106 boiler room - boiler	rear boiler clean-out door gasket	NAD
57a	building 81-106 boiler room - boiler	rear boiler clean-out door gasket	NAD
58a	building 81-106 boiler room - boiler	refractory cement	NAD
59a	building 81-106 boiler room - boiler	refractory cement	NAD
60a	building 81-106 boiler room - boiler	refractory cement	NAD

NAD = No Asbestos Detected

* This material contains 10 percent chrysotile, and less than 1 percent amosite.

IV. LABORATORY ANALYSIS SHEETS

CAROLINA ENVIRONMENTAL, INC.
102-H Commonwealth Court, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT

ASBESTOS BULK ANALYSIS

Client: **Enviromed Services, Inc.**
25 Science Park
New Haven , CT 06511

CEI Lab Code: A01-4661
Received: 09-17-01
Analyzed: 09-22-01
Analyst: Tianbao Bai

Project: DOT / Higganin
Project # EMS # IH-01-653

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-1	A58035	<u>STAIR TREAD</u> Homogeneous, Black, Non-fibrous, Bound BIND 100 %	ND
81-106-2	A58036	<u>STAIR TREAD</u> Homogeneous, Black, Non-fibrous, Bound BIND 100 %	ND
81-106-3	A58037	<u>GLUE</u> Homogeneous, Tan, Non-fibrous, Bound MAST 100 % CELL <1 %	ND
81-106-4	A58038	<u>GLUE</u> Homogeneous, Tan, Non-fibrous, Bound MAST 100 % CELL <1 %	ND
81-106-5	A58039	<u>PRESS BOARD</u> Heterogeneous, Grey, Brown, Fibrous, Loosely Bound PAINT 1 % CELL 99 %	ND
81-106-6	A58040	<u>PRESS BOARD</u> Heterogeneous, Grey, Brown, Fibrous, Loosely Bound PAINT 3 % CELL 97 %	ND

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Project: DOT / Higganin
 Project # EMS # IH-01-653
 Lab Code: A01-4661

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-7	A58041	<u>TYPE I WINDOW GLAZING</u> Heterogeneous, Grey, Tan, Non-fibrous, Bound PAINT 3 % BIND 97 %	ND
81-106-8	A58042	<u>TYPE I WINDOW GLAZING</u> Heterogeneous, Grey, Tan, Non-fibrous, Bound PAINT 3 % BIND 97 %	ND
81-106-9	A58043	<u>TYPE I WINDOW GLAZING</u> Heterogeneous, Grey, Tan, Non-fibrous, Bound PAINT 3 % BIND 97 %	ND
81-106-10	A58044	<u>TYPE II WINDOW GLAZING</u> Heterogeneous, Grey, Off-white, Fibrous, Bound CHRY 2 % PAINT 5 % BIND 93 %	CHRY 2 %
81-106-11	A58045	<u>TYPE II WINDOW GLAZING</u> Heterogeneous, Grey, Tan, Non-fibrous, Bound PAINT 5 % BIND 95 %	ND
81-106-12	A58046	<u>TYPE II WINDOW GLAZING</u> Heterogeneous, Grey, Tan, Non-fibrous, Bound CHRY <1 % PAINT 5 % BIND 95 %	CHRY < 1 %
81-106-13	A58047	<u>EXTERIOR WF CAULK</u> Heterogeneous, Off-white, Fibrous, Bound BIND 95 % TALC 5 %	ND
81-106-14	A58048	<u>EXTERIOR WF CAULK</u> Heterogeneous, Off-white, Fibrous, Bound BIND 95 % TALC 5 %	ND

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Project: DOT / Higganin
 Project # EMS # IH-01-653
 Lab Code: A01-4661

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-15	A58049	<u>EXTERIOR DF CAULK</u> Heterogeneous, White, Non-fibrous, Bound BIND 100 %	ND
81-106-16	A58050	<u>EXTERIOR DF CAULK</u> Heterogeneous, White, Non-fibrous, Bound BIND 100 %	ND
81-106-17	A58051	<u>EXTERIOR BAY DOOR COLUMN CAULK</u> Heterogeneous, Grey, Non-fibrous, Bound BIND 95 % PAINT 5 %	ND
81-106-18	A58052	<u>EXTERIOR BAY DOOR COLUMN CAULK</u> Heterogeneous, Grey, Non-fibrous, Bound BIND 95 % PAINT 5 %	ND
81-106-19	A58053	<u>CHIMNEY SEALANT</u> Heterogeneous, Grey, Tan, Fibrous, Bound BIND 97 % FBGL 3 %	ND
81-106-20	A58054	<u>CHIMNEY SEALANT</u> Heterogeneous, Grey, Tan, Fibrous, Bound BIND 97 % FBGL 3 %	ND
81-106-21	A58055	<u>CHIMNEY SBREECH CEMENT</u> Heterogeneous, Grey, Fibrous, Loosely Bound CHRY 65 % BIND 35 %	CHRY 65 %
81-106-22	A58056	<u>CHIMNEY SBREECH CEMENT</u> Heterogeneous, Grey, Fibrous, Loosely Bound CHRY 65 % BIND 35 %	CHRY 65 %

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Project: DOT / Higganin
 Project # EMS # IH-01-653
 Lab Code: A01-4661

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-23	A58057	<u>CHIMNEY SBREECH CEMENT</u> Heterogeneous, Grey, Fibrous, Loosely Bound CHRY 65 % BIND 35 %	CHRY 65 %
81-106-24	A58058	<u>ASPHALT SHINGLE</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 15 % CELL 35 % TAR 35 % GRAV 15 %	ND
81-106-25	A58059	<u>ASPHALT SHINGLE</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 15 % CELL 35 % TAR 35 % GRAV 15 %	ND
81-106-26	A58060	<u>ASPHALT SHINGLE</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 15 % CELL 35 % TAR 35 % GRAV 15 %	ND
81-106-27	A58061	<u>ASPHALT SHINGLE</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 15 % CELL 35 % TAR 35 % GRAV 15 %	ND
81-106-28A	A58062	<u>ASPHALT SHINGLE</u> Heterogeneous, Red, Green, Fibrous, Loosely Bound BIND 35 % FBGL 15 % TAR 35 % GRAV 15 %	ND
81-106-29A	A58063	<u>ASPHALT SHINGLE</u> Heterogeneous, Red, Green, Fibrous, Loosely Bound BIND 35 % FBGL 15 % TAR 35 % GRAV 15 %	ND
81-106-28	A58064	<u>FELT PAPER</u> Homogeneous, Black, Fibrous, Bound TAR 30 % CELL 70 %	ND

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Project: DOT / Higganin
 Project # EMS # IH-01-653
 Lab Code: A01-4661

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-29	A58065	<u>FELT PAPER</u> Homogeneous, Black, Fibrous, Bound TAR 30 % CELL 70 %	ND
81-106-30	A58066	<u>HEAVY FELT</u> Homogeneous, Black, Fibrous, Bound TAR 30 % CELL 65 % MICA 5 %	ND
81-106-31	A58067	<u>HEAVY FELT</u> Homogeneous, Black, Fibrous, Bound TAR 30 % CELL 65 % MICA 5 %	ND
81-106-32	A58068	<u>BLACK ROLL ROOFING</u> Heterogeneous, Black, Fibrous, Bound CHRY 35 % TAR 65 % CELL <1 %	CHRY 35 %
81-106-33	A58069	<u>BLACK ROLL ROOFING</u> Heterogeneous, Black, Fibrous, Bound CHRY 40 % TAR 60 % CELL <1 %	CHRY 40 %
81-106-34	A58070	<u>ADHESIVE</u> Heterogeneous, Black, Fibrous, Bound CHRY 15 % TAR 85 %	CHRY 15 %
81-106-35	A58071	<u>ADHESIVE</u> Heterogeneous, Black, Fibrous, Bound CHRY 15 % TAR 85 %	CHRY 15 %
81-106-36	A58072	<u>FLASHING</u> Heterogeneous, Black, Fibrous, Bound CHRY 20 % TAR 80 %	CHRY 20 %

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Project: DOT / Higganin
 Project # EMS # IH-01-653
 Lab Code: A01-4661

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-37	A58073	<u>FLASHING</u> Heterogeneous, Black, Fibrous, Bound CHRY 20 % TAR 80 %	CHRY 20 %
81-106-38	A58074	<u>CHIMNEY/WALL INTERFACE CAULK</u> Heterogeneous, Black, Non-fibrous, Bound TAR 90 % BIND 10 %	ND
81-106-39	A58075	<u>CHIMNEY/WALL INTERFACE CAULK</u> Heterogeneous, Black, Non-fibrous, Bound TAR 90 % BIND 10 %	ND
81-106-40	A58076	<u>BOILER INSULATION</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 60 % FBGL 40 %	ND
81-106-41	A58077	<u>BOILER INSULATION</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 60 % FBGL 40 %	ND
81-106-42	A58078	<u>BOILER INSULATION</u> Heterogeneous, Grey, Fibrous, Loosely Bound BIND 60 % FBGL 40 %	ND
81-106-43	A58079	<u>BOILER DOOR GASKET</u> Heterogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-106-44	A58080	<u>BOILER DOOR GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND

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Project: DOT / Higganin
 Project # EMS # IH-01-653
Lab Code: A01-4661

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-45	A58081	<u>BOILER DOOR GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-106-46	A58082	<u>CEMENTITIOUS BURNER SEALANT</u> Homogeneous, Silver, Non-fibrous, Bound BIND 90 % PAINT 10 %	ND
81-106-47	A58083	<u>CEMENTITIOUS BURNER SEALANT</u> Homogeneous, Silver, Non-fibrous, Bound BIND 90 % PAINT 10 %	ND
81-106-48	A58084	<u>CEMENTITIOUS BURNER SEALANT</u> Homogeneous, Silver, Non-fibrous, Bound BIND 90 % PAINT 10 %	ND
81-106-49	A58085	<u>FIRE BRICK</u> Heterogeneous, Yellow, Non-fibrous, Bound BIND 100 %	ND
81-106-50	A58086	<u>FIRE BRICK</u> Heterogeneous, Yellow, Non-fibrous, Bound BIND 100 %	ND
81-106-51	A58087	<u>FIRE BRICK</u> Heterogeneous, Yellow, Non-fibrous, Bound BIND 100 %	ND
81-106-52	A58088	<u>OLD FIRE CHAMBER PLATE SEALANT</u> Heterogeneous, Silver, Brown, Fibrous, Loosely Bound CHRY 10 % BIND 40 % FBGL 40 % AMOS <1 % PAINT 10 %	CHRY 10 % AMOS < 1 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-106-53	A58089	<u>OLD FIRE CHAMBER PLATE SEALANT</u> Heterogeneous, Silver, Brown, Fibrous, Loosely Bound CHRY 10 % BIND 40 % FBGL 40 % AMOS <1 % PAINT 10 %	CHRY 10 % AMOS < 1 %
81-106-54	A58090	<u>OLD FIRE CHAMBER PLATE SEALANT</u> Heterogeneous, Silver, Brown, Fibrous, Loosely Bound CHRY 10 % BIND 40 % FBGL 40 % AMOS <1 % PAINT 10 %	CHRY 10 % AMOS < 1 %
81-106-55	A58091	<u>BOILER DOOR GASKET</u> Heterogeneous, White, Fibrous, Loosely Bound BIND 5 % CERWL 95 %	ND
81-106-56	A58092	<u>BOILER DOOR GASKET</u> Heterogeneous, White, Fibrous, Loosely Bound BIND 5 % CERWL 95 %	ND
81-106-57	A58093	<u>BOILER DOOR GASKET</u> Heterogeneous, White, Fibrous, Loosely Bound BIND 5 % CERWL 95 %	ND
81-106-58	A58094	<u>REFRACTORY CEMENT</u> Heterogeneous, Off-white, Grey, Non-fibrous, Bound BIND 100 %	ND
81-106-59	A58095	<u>REFRACTORY CEMENT</u> Heterogeneous, Off-white, Grey, Non-fibrous, Bound BIND 100 %	ND
81-106-70	A58096	<u>REFRACTORY CEMENT</u> Heterogeneous, Off-white, Grey, Non-fibrous, Bound BIND 100 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-1	A58097	<u>12" VFT</u> Homogeneous, Tan, Non-fibrous, Tightly Bound VINYL 100 %	ND
81-115-2	A58098	<u>12" VFT</u> Homogeneous, Tan, Non-fibrous, Tightly Bound VINYL 100 %	ND
81-115-3	A58099	<u>MASTIC</u> Homogeneous, Tan, Fibrous, Bound MAST 95 % CELL 5 %	ND
81-115-4	A58100	<u>MASTIC</u> Homogeneous, Tan, Fibrous, Bound MAST 90 % CELL 10 %	ND
81-115-5	A58101	<u>4" BROWN CM</u> Homogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-6	A58102	<u>4" BROWN CM</u> Homogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-7	A58103	<u>GLUE</u> Heterogeneous, Tan, Fibrous, Bound MAST 90 % CELL 10 %	ND
81-115-8	A58104	<u>GLUE</u> Heterogeneous, Tan, Fibrous, Bound MAST 90 % CELL 10 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-9	A58105	<u>LINOLEUM</u> Heterogeneous, Brown, Fibrous, Bound BIND 80 % CELL 20 %	ND
81-115-10	A58106	<u>LINOLEUM</u> Heterogeneous, Brown, Fibrous, Bound BIND 80 % CELL 20 %	ND
81-115-11	A58107	<u>WALLBOARD</u> Heterogeneous, Brown, Off-white, Fibrous, Loosely Bound BIND 80 % CELL 20 %	ND
81-115-12	A58108	<u>WALLBOARD</u> Heterogeneous, Brown, Off-white, Fibrous, Loosely Bound BIND 80 % CELL 20 %	ND
81-115-13	A58109	<u>JOINT COMPOUND</u> Homogeneous, White, Non-fibrous, Loosely Bound BIND 100 %	ND
81-115-14	A58110	<u>JOINT COMPOUND</u> Homogeneous, White, Non-fibrous, Loosely Bound BIND 100 %	ND
81-115-15	A58111	<u>JOINT COMPOUND</u> Homogeneous, White, Non-fibrous, Loosely Bound BIND 100 %	ND
81-115-16	A58112	<u>PAPER PRESS BOARD</u> Heterogeneous, Grey, Brown, Fibrous, Loosely Bound PAINT 10 % CELL 90 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-17	A58113	<u>PAPER PRESS BOARD</u> Heterogeneous, Grey, Brown, Fibrous, Loosely Bound PAINT 10 % CELL 90 %	ND
81-115-18	A58114	<u>CEILING TILE</u> Heterogeneous, White, Tan, Fibrous, Loosely Bound PAINT <1 % CELL 35 % PERL 25 % FBGL 40 %	ND
81-115-19	A58115	<u>CEILING TILE</u> Heterogeneous, White, Tan, Fibrous, Loosely Bound PAINT <1 % CELL 35 % PERL 25 % FBGL 40 %	ND
81-115-22	A58116	<u>CEILING BOARD</u> Heterogeneous, Off-white, Brown, Fibrous, Loosely Bound BIND 90 % CELL 10 %	ND
81-115-23	A58117	<u>CEILING BOARD</u> Heterogeneous, Off-white, Brown, Fibrous, Loosely Bound BIND 90 % CELL 10 %	ND
81-115-24	A58118	<u>INT DF CAULK</u> Homogeneous, Grey, Non-fibrous, Bound CAULK 100 %	ND
81-115-25	A58119	<u>INT DF CAULK</u> Homogeneous, Grey, Non-fibrous, Bound CAULK 100 %	ND
81-115-26	A58120	<u>INT DF CAULK</u> Homogeneous, White, Non-fibrous, Bound CAULK 100 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-27	A58121	<u>INT DF CAULK</u> Homogeneous, White, Non-fibrous, Bound CAULK 100 %	ND
81-115-28	A58122	<u>DF CAULK</u> Homogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-29	A58123	<u>DF CAULK</u> Homogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-30	A58124	<u>EXT DF CAULK</u> Heterogeneous, White, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-31	A58125	<u>EXT DF CAULK</u> Heterogeneous, White, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-32	A58126	<u>EXT DF CAULK</u> Heterogeneous, White, Brown, Fibrous, Bound BIND 98 % TALC 2 %	ND
81-115-33	A58127	<u>EXT WF CAULK</u> Heterogeneous, Grey, Non-fibrous, Bound BIND 100 %	ND
81-115-34	A58128	<u>INT WF CAULK</u> Heterogeneous, Tan, Fibrous, Bound CHRY 3 % BIND 97 %	CHRY 3 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-35	A58129	<u>INT WF CAULK</u> Heterogeneous, Tan, Fibrous, Bound CHRY 3 % BIND 97 %	CHRY 3 %
81-115-36	A58130	<u>TYPE I WINDOW GLAZING</u> Heterogeneous, Grey, Fibrous, Bound CHRY 2 % BIND 98 %	CHRY 2 %
81-115-37	A58131	<u>TYPE I WINDOW GLAZING</u> Heterogeneous, Grey, Fibrous, Bound BIND 98 % CELL 2 %	ND
81-115-38	A58132	<u>TYPE I WINDOW GLAZING</u> Heterogeneous, Grey, Fibrous, Bound BIND 98 % CELL 2 %	ND
81-115-39	A58133	<u>TYPE II WINDOW GLAZING</u> Heterogeneous, White, Tan, Non-fibrous, Bound BIND 100 %	ND
81-115-40	A58134	<u>TYPE II WINDOW GLAZING</u> Heterogeneous, White, Tan, Non-fibrous, Bound BIND 100 %	ND
81-115-41	A58135	<u>TYPE II WINDOW GLAZING</u> Heterogeneous, White, Tan, Non-fibrous, Bound BIND 100 %	ND
81-115-42	A58136	<u>TYPE III WINDOW GLAZING</u> Heterogeneous, Grey, Fibrous, Bound BIND 98 % CELL 2 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-43	A58137	<u>TYPE III WINDOW GLAZING</u> Heterogeneous, Tan, Non-fibrous, Bound CHRY <1 % BIND 98 % PAINT 2 %	CHRY < 1 %
81-115-44	A58138	<u>TYPE III WINDOW GLAZING</u> Heterogeneous, Tan, Non-fibrous, Bound CHRY <1 % BIND 98 % PAINT 2 %	CHRY < 1 %
81-115-45	A58139	<u>TYPE IV WINDOW GLAZING</u> Heterogeneous, Tan, Grey, Non-fibrous, Bound BIND 98 % PAINT 2 %	ND
81-115-46	A58140	<u>TYPE IV WINDOW GLAZING</u> Heterogeneous, Tan, Grey, Non-fibrous, Bound BIND 98 % PAINT 2 %	ND
81-115-47	A58141	<u>TYPE IV WINDOW GLAZING</u> Heterogeneous, Tan, Grey, Non-fibrous, Bound BIND 98 % PAINT 2 %	ND
81-115-48	A58142	<u>ATTIC INSULATION</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-115-49	A58143	<u>ATTIC INSULATION</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-115-50	A58144	<u>WALL PENETRATION CAULK</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-51	A58145	<u>WALL PENETRATION CAULK</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-115-52	A58146	<u>ASPHALT SHINGLE</u> Heterogeneous, Red, Green, Fibrous, Bound TAR 40 % CELL 45 % GRAV 15 %	ND
81-115-53	A58147	<u>ASPHALT SHINGLE</u> Heterogeneous, Red, Green, Fibrous, Bound TAR 40 % CELL 45 % GRAV 15 %	ND
81-115-54	A58148	<u>ASPHALT SHINGLE</u> Heterogeneous, Black, Fibrous, Bound TAR 45 % CELL 50 % GRAV 5 %	ND
81-115-55	A58149	<u>ASPHALT SHINGLE</u> Heterogeneous, Black, Fibrous, Bound TAR 40 % CELL 50 % GRAV 10 %	ND
81-115-56	A58150	<u>GRAY CEMENT</u> Heterogeneous, Black, Fibrous, Bound CHRY 20 % TAR 80 %	CHRY 20 %
81-115-57	A58151	<u>GRAY CEMENT</u> Heterogeneous, Black, Fibrous, Bound CHRY 20 % TAR 80 %	CHRY 20 %
81-115-58	A58152	<u>GRAY PAPER</u> Heterogeneous, Black, Fibrous, Bound CHRY 35 % TAR 65 %	CHRY 35 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-59	A58153	<u>GRAY PAPER</u> Heterogeneous, Black, Fibrous, Bound CHRY 35 % TAR 65 %	CHRY 35 %
81-115-60	A58154	<u>HEAVY FELT</u> Heterogeneous, Black, Fibrous, Bound TAR 30 % CELL 65 % MICA 5 %	ND
81-115-61	A58155	<u>HEAVY FELT</u> Heterogeneous, Black, Fibrous, Bound TAR 30 % CELL 65 % MICA 5 %	ND
81-115-62	A58156	<u>CAULKING</u> Heterogeneous, Grey, Brown, Non-fibrous, Bound BIND 95 % PAINT 5 %	ND
81-115-63	A58157	<u>CAULKING</u> Heterogeneous, Grey, Brown, Non-fibrous, Bound CAULK 100 %	ND
81-115-64	A58158	<u>TRANSITE ROOF TILE</u> Heterogeneous, Grey, Fibrous, Bound CHRY 25 % BIND 75 %	CHRY 25 %
81-115-65	A58159	<u>TRANSITE ROOF TILE</u> Heterogeneous, Grey, Fibrous, Bound CHRY 30 % BIND 70 %	CHRY 30 %
81-115-66	A58160	<u>FRONT CLEAR-OUT PLATE GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-67	A58161	<u>FRONT CLEAR-OUT PLATE GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-115-68	A58162	<u>FRONT CLEAR-OUT PLATE GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 2 % CERWL 98 %	ND
81-115-69	A58163	<u>FRONT INNER CLEAR-OUT PLATE INSULATION</u> Heterogeneous, Off-white, Non-fibrous, Bound BIND 100 %	ND
81-115-70	A58164	<u>FRONT INNER CLEAR-OUT PLATE INSULATION</u> Heterogeneous, Off-white, Non-fibrous, Bound BIND 100 %	ND
81-115-71	A58165	<u>FRONT INNER CLEAR-OUT PLATE INSULATION</u> Heterogeneous, Off-white, Non-fibrous, Bound BIND 100 %	ND
81-115-72	A58166	<u>FRONT OUTER CLEAR-OUT PLATE INSULATION</u> Heterogeneous, Yellow, Fibrous, Loosely Bound BIND 35 % FBGL 65 %	ND
81-115-73	A58167	<u>FRONT OUTER CLEAR-OUT PLATE INSULATION</u> Heterogeneous, Yellow, Fibrous, Loosely Bound BIND 35 % FBGL 65 %	ND
81-115-74	A58168	<u>FRONT OUTER CLEAR-OUT PLATE INSULATION</u> Heterogeneous, Yellow, Fibrous, Loosely Bound BIND 35 % FBGL 65 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-75	A58169	<u>INSPECTION DOOR ROPE GASKET</u> Heterogeneous, Brown, Fibrous, Loosely Bound CHRY 80 % BIND 20 %	CHRY 80 %
81-115-76	A58170	<u>INSPECTION DOOR ROPE GASKET</u> Heterogeneous, Brown, Fibrous, Loosely Bound CHRY 80 % BIND 20 %	CHRY 80 %
81-115-77	A58171	<u>INSPECTION DOOR ROPE GASKET</u> Heterogeneous, Brown, Fibrous, Loosely Bound CHRY 80 % BIND 20 %	CHRY 80 %
81-115-78	A58172	<u>FIRE BRICK</u> Heterogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-79	A58173	<u>FIRE BRICK</u> Homogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-80	A58174	<u>FIRE BRICK</u> Homogeneous, Brown, Non-fibrous, Bound BIND 100 %	ND
81-115-81	A58175	<u>BOILER RIB CLEAR-OUT PLATE GASKET</u> Homogeneous, Off-white, Fibrous, Loosely Bound BIND 5 % FBGL 95 %	ND
81-115-82	A58176	<u>BOILER RIB CLEAR-OUT PLATE GASKET</u> Homogeneous, Off-white, Fibrous, Loosely Bound BIND 5 % FBGL 95 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-83	A58177	<u>BOILER RIB CLEAR-OUT PLATE GASKET</u> Homogeneous, Off-white, Fibrous, Loosely Bound BIND 5 % FBGL 95 %	ND
81-115-84	A58178	<u>BOILER RIB CLEAR-OUT PLATE GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 5 % CERWL 95 %	ND
81-115-85	A58179	<u>BOILER RIB CLEAR-OUT PLATE GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 5 % CERWL 95 %	ND
81-115-86	A58180	<u>BOILER RIB CLEAR-OUT PLATE GASKET</u> Homogeneous, White, Fibrous, Loosely Bound BIND 5 % CERWL 95 %	ND
81-115-87	A58181	<u>BOILER RIB SMOOTH COAT</u> Heterogeneous, Off-white, Fibrous, Bound BIND 55 % WOLL 45 %	ND
81-115-88	A58182	<u>BOILER RIB SMOOTH COAT</u> Heterogeneous, Off-white, Fibrous, Bound BIND 55 % WOLL 45 %	ND
81-115-89	A58183	<u>BOILER RIB SMOOTH COAT</u> Heterogeneous, Off-white, Fibrous, Bound BIND 55 % WOLL 45 %	ND
81-115-90	A58184	<u>BOILER INSULATION</u> Heterogeneous, Off-white, Fibrous, Bound BIND 60 % WOLL 40 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
81-115-91	A58185	<u>BOILER INSULATION</u> Heterogeneous, Off-white, Fibrous, Bound BIND 60 % WOLL 40 %	ND
81-115-92	A58186	<u>BOILER INSULATION</u> Heterogeneous, Off-white, Fibrous, Bound BIND 60 % WOLL 40 %	ND
81-115-93	A58187	<u>CHIMNEY BREECH CEMENT</u> Heterogeneous, Off-white, Fibrous, Loosely Bound BIND 40 % FBGL 60 %	ND
81-115-94	A58188	<u>CHIMNEY BREECH CEMENT</u> Heterogeneous, Off-white, Fibrous, Loosely Bound BIND 40 % FBGL 60 %	ND
81-115-95	A58189	<u>CHIMNEY BREECH CEMENT</u> Heterogeneous, Off-white, Fibrous, Loosely Bound BIND 40 % FBGL 60 %	ND

**The following definitions apply to the abbreviations used in the ASBESTOS
BULK ANALYSIS REPORT:**

CHRY = Chrysotile	CELL = Cellulose	DEBR = Debris
AMOS = Amosite	FBGL = Fibrous Glass	BIND = Binder
CROC = Crocidolite	ORGN = Organics	SILI = Silicates
TREM = Tremolite	SYNT = Synthetics	GRAV = Gravel
ANTH = Anthophyllite	WOLL = Wollastonite	MAST = Mastic
ACTN = Actinolite	CERWL = Ceramic Wool	PLAS = Plaster
ND = None Detected	NTREM = Non-Asbestiform Tremolite	PERL = Perlite
NANTH = Non-Asbestiform Anthophyllite		RUBR = Rubber

CLIENT: Enviromed Services, Inc.

PROJECT: DOT / Higganin
Project # EMS # IH-01-653

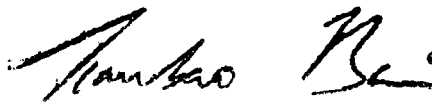
CEI LAB CODE: A01-4661

Stereoscopic microscopy and polarized light microscopy coupled with dispersion staining is the analytical technique used for sample identification. The percentage of each component is visually estimated by volume. These results pertain only to the samples analyzed. The samples were analyzed as submitted by the client and may not be representative of the larger material in question. Unless notified in writing to return samples, Carolina Environmental, Inc. will discard all bulk samples after 30 days.

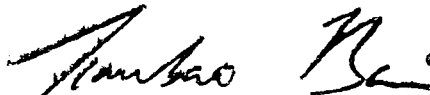
Many vinyl floor tiles have been manufactured using greater than 1% asbestos. Often the asbestos was milled to a fiber size below the detection limit of polarized light microscopy. Therefore, a "None Detected" (ND) reading on vinyl floor tile does not necessarily exclude the presence of asbestos. Transmission electron microscopy provides a more conclusive form of analysis for vinyl floor tiles.

It is certified by the signature below that Carolina Environmental, Inc. is accredited by the National Voluntary Accreditation Program (NVLAP) for the analysis of asbestos in bulk materials. The accredited test method is EPA / 600 / M4-82 / 020 for the analysis of asbestos in building materials. Procedures described in EPA / 600 / R-93 / 116 have been incorporated where applicable. The detection limit for the method is 0.1% (trace amount). Carolina Environmental, Inc.'s NVLAP accreditation number is #101768-0. This report is not to be used to claim product endorsement by NVLAP or any agency of the U. S. Government. This report and its contents are only valid when reproduced in full. Dust and soil analyses for asbestos using PLM are not covered under NVLAP accreditation.

ANALYST



REVIEWED BY



Tianbao Bai, Ph.D.
Laboratory Director

Appendix D

Asbestos Laboratory Reports and Chain of Custody Forms



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EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

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Phone (860) 646-2469

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☒ **ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM**

Project Name: Former Scovil Hoc Mill - Town of Haddam Project No. 20161001.A11E Date: 11/16/17

Site Address: 11 Candlewood Hill Road, Higganum, CT Location: Buildings A & B Project Manager: Kathleen Pane

Lab Note	Sample ID	Sample Location	Type of Material
Building A (North Building)- Exterior			
	111517EC-01A	South Center Roof Eve over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-01B	South West Roof Gable End over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-01C	South East Roof Corner over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-02A	South Center Roof Eve Under 3-Tab Shingle on Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-02B	South West Roof Gable End Under 3-Tab Shingle on Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-02C	South East Roof Corner Under 3-Tab Shingle on Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-03A	North East Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
	111517EC-03B	North East Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
	111517EC-04A	North Side, West Window Frame/Brick	Hard Tan Caulk
	111517EC-04B	South Side, West Window Frame/Brick	Hard Tan Caulk
	111517EC-04C	East Side, North Window Frame/Brick	Hard Tan Caulk
	111517EC-05A	North Side, West Window	Hard Tan Glazing Compound
	111517EC-05B	South Side, West Window	Hard Tan Glazing Compound
	111517EC-05C	East Side, North Window	Hard Tan Glazing Compound
	111517EC-06A	Overhead Bay Door 6 Frame / Brick	Rubbery Grey Caulk
	111517EC-06B	Overhead Bay Door 7 Frame / Brick	Rubbery Grey Caulk
	111517EC-06C	Overhead Bay Door 9 Frame / Brick	Rubbery Grey Caulk
	111517EC-07A	South Side West Steel Passage Door at Wood Frame / Brick	Rubbery Grey Caulk
	111517EC-07B	South Side East Steel Passage Door at Steel Frame / Brick (State of CT)	Rubbery Grey Caulk
	111517EC-08A	North Side Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White Caulk
	111517EC-08B	South Side East Original Wood Passage Door at Wood Frame / Brick	Original Hard White Caulk

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Lab Note	Sample ID	Sample Location	Type of Material
Building A (North Building)- Exterior			
	111517EC-09A	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick	Newer Dark Grey Caulk
	111517EC-09B	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick	Newer Dark Grey Caulk
	111517EC-09C	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick - Interior	Newer Dark Grey Caulk
	111517EC-10A	North East Corner	White Brick Mortar
	111517EC-10B	South East Corner	White Brick Mortar
	111517EC-10C	South West Corner	White Brick Mortar
Building B (South Building) - Exterior			
	111517EC-11A	North East Roof Eve over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-11B	North Center Roof Eve over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-11C	North West Roof Gable End over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-12A	North East Roof Eve over 30 Lb. Felt Paper and Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-12B	North Center Roof Eve over 30 Lb. Felt Paper and Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-12C	North West Roof Gable End over 30 Lb. Felt Paper and Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-13A	South West Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
	111517EC-13B	North East Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
(NS)	111517EC-14A	Boiler Building Shed Roof on Wood -North	Single Ply Asphaltic Built-up Rood
(NS)	111517EC-14B	Boiler Building Shed Roof on Wood -South	Single Ply Asphaltic Built-up Rood
(NS)	111517EC-14C	Boiler Building Shed Roof on Wood - East	Single Ply Asphaltic Built-up Rood
(NS)	111517EC-15A	Boiler Building Shed Roof / Brick Wall - North West	Black Asphalt Cold Process Roofing Cement
(NS)	111517EC-15B	Boiler Building Shed Roof / Brick Wall - West Center	Black Asphalt Cold Process Roofing Cement
(NS)	111517EC-15C	Boiler Building Shed Roof / Brick Wall - South West	Black Asphalt Cold Process Roofing Cement
	111517EC-16A	East End, 2nd Floor North Window Frame/Brick	Hard Tan Caulk
	111517EC-16B	North Side, Center Window over Door Frame/Brick	Hard Tan Caulk
	111517EC-16C	South Side, West Window Frame/Brick	Hard Tan Caulk

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Lab Note	Sample ID	Sample Location	Type of Material
Building B (South Building) - Exterior			
	111517EC-17A	East End, 2nd Floor North Window Frame	Hard Tan Glazing Compound
	111517EC-17B	North Side, Center Window over Door	Hard Tan Glazing Compound
	111517EC-17C	South Side, West Window Frame	Hard Tan Glazing Compound
	111517EC-18A	East End Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk
	111517EC-18B	South Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk
	111517EC-19A	North Side Center Metal Passage Door at Metal Frame / Brick	Hard White Caulk
	111517EC-19B	North Side West Metal Passage Door at Wood Frame / Brick	Hard White Caulk
	111517EC-19C	North Side East Door at Frame / Brick	Hard White Caulk
	111517EC-20A	South West Chimney Stack Clean-out	Dark Grey Cementitious Furnace Cement
	111517EC-20B	South West Chimney Stack Clean-out	Dark Grey Cementitious Furnace Cement
	111517EC-20C	South West Chimney Stack Clean-out	Dark Grey Cementitious Furnace Cement
	111517EC-21A	South East Corner	Off White Brick Mortar
	111517EC-21B	South West Corner	Off White Brick Mortar
	111517EC-21C	North Center	Off White Brick Mortar
Building A - Interior			
(NS)	111517EC-22A	Attic- East Floor	Light Grey Cellulose Insulation Fill
(NS)	111517EC-22B	Attic - Center Floor	Light Grey Cellulose Insulation Fill
(NS)	111517EC-22C	Attic - West Floor	Light Grey Cellulose Insulation Fill
	111517EC-23A	Attic- East	Asphaltic Braided Electrical #12 Wire Insulation
	111517EC-23B	Attic - East	Asphaltic Braided Electrical #12 Wire Insulation
	111517EC-23C	Attic - West	Asphaltic Braided Electrical #12 Wire Insulation
	111517EC-24A	Attic- West Over 13 & 14 on bottom 2' of Principle Rafter Beam	Asphaltic Coating over 2" Cork Insulation
	111517EC-24B	Attic- West Over 13 & 14 on bottom 2' of Principle Rafter Beam	Asphaltic Coating over 2" Cork Insulation
	111517EC-24C	Attic- West Over 13 & 14 on bottom 2' of Principle Rafter Beam	Asphaltic Coating over 2" Cork Insulation

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Lab Note	Sample ID	Sample Location	Type of Material
Building A - Interior			
	111517EC-25A	Area 14 -North Brick Wall under Paint	Asphaltic Coating
	111517EC-25B	Area 14 -South Brick Wall under Paint	Asphaltic Coating
	111517EC-25C	Area 14 - East Brick Wall under Paint	Asphaltic Coating
	111517EC-26A	Attic West End -North Chimney Brick	Asphaltic Coating
	111517EC-26B	Attic West End -North Chimney Brick	Asphaltic Coating
	111517EC-26C	Attic West End -North Brick Wall at Floor	Asphaltic Coating
	111517EC-26D	Attic West End -North Brick Wall at Floor	Asphaltic Coating
	111517EC-27A	Attic West End Wall- Adjacent North Chimney	Thick Asphaltic Felt Paper
	111517EC-27B	Attic West End Wall- Adjacent North Chimney	Thick Asphaltic Felt Paper
	111517EC-27C	Attic West End Wall- Adjacent North Chimney	Thick Asphaltic Felt Paper
(NS)	111517EC-28A	Area 5 Ceiling	1/2" Gypsum Wallboard with Batten Boards at Seams
(NS)	111517EC-28B	Area 11 Ceiling	1/2" Gypsum Wallboard with Batten Boards at Seams
(NS)	111517EC-28C	Area 12 Ceiling	1/2" Gypsum Wallboard with Batten Boards at Seams
(NS)	111517EC-29A	South Attic Ceiling	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-29B	Area 5 Wall at Window	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-29C	Area 11 West Wall	1/2" Thick Grey Textured Paperboard Paneling
	111517EC-30A	Area 9 - West Wall	1/2" Gypsum Wallboard
	111517EC-30B	Area 9 - East Closet Wall	1/2" Gypsum Wallboard
	111517EC-30C	Area 11 - East Wall	1/2" Gypsum Wallboard
	111517EC-31A	Area 9 - West Wall	Joint Compound and Paper Tape
	111517EC-31B	Area 9 - East Closet Wall	Joint Compound and Paper Tape
	111517EC-31C	Area 11 - East Wall	Joint Compound and Paper Tape
	111517EC-32	Area 9 - West Wall	Wallboard /Joint Compound and Paper Tape Composite <i>Only analyze this sample if the above group is >1% "A"</i>
(NS)	111517EC-33A	Area 1 -Wall	1/2" Gypsum Wallboard
(NS)	111517EC-33B	Area 2 -Wall	1/2" Gypsum Wallboard
(NS)	111517EC-33C	Area 4 -Wall	1/2" Gypsum Wallboard

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Lab Note	Sample ID	Sample Location	Type of Material
Building A - Interior			
(NS)	111517EC-34A	Area 1 –Wall	Joint Compound and Paper Tape
(NS)	111517EC-34B	Area 2 –Wall	Joint Compound and Paper Tape
(NS)	111517EC-34C	Area 4 –Wall	Joint Compound and Paper Tape
(NS)	111517EC-35	Area 1 - Wall	Wallboard /Joint Compound and Paper Tape Composite
	111517EC-36A	Area 1 –Ceiling	2'x4' Sponge Look Suspended Ceiling Tile
	111517EC-36B	Area 1 –Ceiling	2'x4' Sponge Look Suspended Ceiling Tile
	111517EC-36C	Area 2 –Ceiling	2'x4' Sponge Look Suspended Ceiling Tile
	111517EC-37A	Area 4 –Ceiling	2'x2' Small Random Pock Marks Suspended Ceiling Tile
	111517EC-37B	Area 4 –Ceiling	2'x2' Small Random Pock Marks Suspended Ceiling Tile
(TEM)	111517EC-38A	Area 1 East –over Wood/Sheet Floor	12"x12" Tan Mottled Resilient Floor Tile
(NS)	111517EC-38B	Area 1 Adj Closet –over Wood/Sheet Floor	12"x12" Tan Mottled Resilient Floor Tile
(NS)	111517EC-38C	Area 9 Closet– over Wood/Sheet Floor	12"x12" Tan Mottled Resilient Floor Tile
(TEM)	111517EC-39A	Area 1 East –over Wood/Sheet Floor	Yellow Adhesive Associated with Tan Floor Tile
(NS)	111517EC-39B	Area 1 Adj Closet – over Wood/Sheet Floor	Yellow Adhesive Associated with Tan Floor Tile
(NS)	111517EC-39C	Area 9 Closet– over Wood/Sheet Floor	Yellow Adhesive Associated with Tan Floor Tile
(TEM)	111517EC-40A	Area 1 East –Under Tile on Elevated wood floor over Concrete	Brown Sheet Floor With Jute/Asphalt Backing
(NS)	111517EC-40B	Area 1 Adjacent Closet – Under Tile on Elevated wood floor over Concrete	Brown Sheet Floor With Jute/Asphalt Backing
(NS)	111517EC-40C	Area 9 Closet– Under Tile on Elevated wood floor over Concrete	Brown Sheet Floor With Jute/Asphalt Backing
(TEM)	111517EC-41A	Area 1 East –on Wallboard Wall	4" Brown Vinyl Cove Base
(NS)	111517EC-41B	Area 1 Adjacent Closet –on Wallboard Wall	4" Brown Vinyl Cove Base
(NS)	111517EC-41C	Area 2– on Wallboard Wall	4" Brown Vinyl Cove Base
(TEM)	111517EC-42A	Area 1 East –on Wallboard Wall	Yellow Adhesive Associated with Brown Cove Base
(NS)	111517EC-42B	Area 1 Adjacent Closet – on Wallboard Wall	Yellow Adhesive Associated with Brown Cove Base
(NS)	111517EC-42C	Area 2– on Wallboard Wall	Yellow Adhesive Associated with Brown Cove Base
	111517EC-43A	Area 1 Fireplace	Brick Mortar
	111517EC-43B	Area 1 Fireplace	Brick Mortar

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Lab Note	Sample ID	Sample Location	Type of Material
Building A - Interior			
	111517EC-44A	Area 10 South wall Center Window	Interior Window Caulk between Wood/Brick
	111517EC-44B	Area 10 South wall Center Window	Interior Window Caulk between Wood/Brick
	111517EC-44C	Area 10 South wall Center Window	Interior Window Caulk between Wood/Brick
	111517EC-45A	Area 5 West Entry Interior Window	Interior Window Glazing Compound
	111517EC-45B	Area 5 North Office Interior Window	Interior Window Glazing Compound
Building B - Interior			
	111517EC-46A	Area 1 Boiler House Ceiling	1/2" Gypsum Wallboard with no Tape & Compound
	111517EC-46B	Area 1 Boiler House Ceiling	1/2" Gypsum Wallboard with no Tape & Compound
	111517EC-46C	Area 1 Boiler House Ceiling	1/2" Gypsum Wallboard with no Tape & Compound
	111517EC-47A	Area 1 Boiler House South Wall Infill	1/2" Gypsum Wallboard
	111517EC-47B	Area 1 Boiler House South Wall Infill	1/2" Gypsum Wallboard
	111517EC-48A	Area 1 Boiler House South Wall Infill	Joint Compound and Paper Tape
	111517EC-48B	Area 1 Boiler House South Wall Infill	Joint Compound and Paper Tape
	111517EC-49	Area 1 Boiler House South Wall Infill	Wallboard /Joint Compound and Paper Tape Composite <i>Only analyze this sample if the above group is >1% "A"</i>
	111517EC-50A	Area 1 Boiler House South Wallboard Infill / Brick Seam	New White Caulk
	111517EC-50B	Area 1 Boiler House South Wallboard Infill / Brick Seam	New White Caulk
(NS)	111517EC-51A	Area 3 - Ceiling	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-51B	Area 3 Wall over Passage Door	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-51C	Area 4 West Loft Wall	1/2" Thick Grey Textured Paperboard Paneling
(TEM)	111517EC-52A	Area 2 Loft Stairs	Black Vinyl Stair Tread
(NS)	111517EC-52B	Area 2 Loft Stairs	Black Vinyl Stair Tread
(TEM)	111517EC-53A	Area 2 Loft Stairs	Yellow Adhesive Associated with Black Vinyl Stair Tread
(NS)	111517EC-53B	Area 2 Loft Stairs	Yellow Adhesive Associated with Black Vinyl Stair Tread
	111517EC-54A	Area 4 - East Wall Insulation	Asphalt Coated Paper Facing on Fiberglass Batt Insulation
	111517EC-54B	Area 4 - East Wall Insulation	Asphalt Coated Paper Facing on Fiberglass Batt Insulation
	111517EC-54C	Area 4 - East Wall Insulation	Asphalt Coated Paper Facing on Fiberglass Batt Insulation

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0317 36051

Lab Note	Sample ID	Sample Location	Type of Material
Building B - Interior			
	111517EC-55A	Area 2 – South Wall Steam Line Fittings	Brown Pipe Thread Sealant
	111517EC-55B	Area 4 – South Wall Steam Line Fittings	Brown Pipe Thread Sealant
	111517EC-56A	Area 5 – North Steel Door at Interior Wood Frame/Brick	Newer Pliable White Caulk
	111517EC-56B	Area 5 – North Steel Door at Exterior Wood Frame/Brick	Newer Pliable White Caulk Applied over old Hard Caulk

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 t/a/t at (860) 646-2469.

FAX Results to: 888-838-1160 Email Results to: kpane@fando.com Do Not Mail Hard Copy Report Total # of Samples: 111

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

Lab Notes: (NS)=Sample Not Submitted, (TEM)=TEM NOB Analysis only

Samples collected by: Eric Cooley & Stacy Vandever Date: 11/14 & 15/17 Time: 0800 - 1800Samples Sent by: Eric Cooley Date: 11/17/17 Time: 1700Samples Received by: [Signature] Date: 11/18/17 Time: 4:37 PMShipped To: ☒ EMSL State: NY, NY ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____

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 EMSL Order: 031736051
 CustomerID: ENVI54
 CustomerPO: 20161001.A1E
 ProjectID:

 Attn: **Kathleen Pane**
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 Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 11/18/17 11:37 AM
 Analysis Date: 12/7/2017
 Collected: 11/16/2017

Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A &

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

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
111517EC-01A 031736051-0004	SOUTH CENTER ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-02A 031736051-0004	SOUTH CENTER ROOF EVE UNDER 3-TAB SHINGLE ON WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-06A 031736051-0015	OVERHEAD BAY DOOR 6 FRAME / BRICK - RUBBERY GREY CAULK	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-07A 031736051-0018	SOUTH SIDE WEST STEEL PASSAGE DOOR AT WOOD FRAME / BRICK - RUBBERY GREY CAULK	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-11A 031736051-0028	NORTH EAST ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-12A 031736051-0031	NORTH EAST ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-24A 031736051-0065	ATTIC- WEST OVER 13 & 14 ON BOTTOM 2' OF PRINCIPLE RAFTER BEAM - ASPHALTIC COATING OVER 2" CORK INSULATION	Brown Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-25A 031736051-0068	AREA 14 - NORTH BRICK WALL UNDER PAINT - ASPHALTIC COATING	Tan/Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from 11/26/2017 03:51:54


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 CustomerPO: 20161001.A1E
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 Fax: (888) 838-1160
 Received: 11/18/17 11:37 AM
 Analysis Date: 12/7/2017
 Collected: 11/16/2017

Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A &

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

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
111517EC-26A 031736051-0071	ATTIC WEST END - NORTH CHIMNEY BRICK - ASPHALTIC COATING	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-27A 031736051-0075	ATTIC WEST END WALL - ADJACENT NORTH CHIMNEY - THICK ASPHALTIC FELT PAPER	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-38A 031736051-0103	AREA 1 EAST - OVER WOOD/SHEET FLOOR - 12"X12" TAN MOTTLED RESILIENT FLOOR TILE	Gray Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-39A 031736051-0106	AREA 1 EAST - OVER WOOD/SHEET FLOOR - YELLOW ADHESIVE ASSOCIATED WITH TAN FLOOR TILE	Yellow Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-40A 031736051-0109	AREA 1 EAST - UNDER TILE ON ELEVATED WOOD FLOOR OVER CONCRETE - BROWN SHEET FLOOR WITH JUTE/ASPALT BACKING	Brown/Black Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-41A 031736051-0112	AREA 1 EAST - ON WALLBOARD WALL - 4" BROWN VINYL COVE BASE	Brown Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-42A 031736051-0115	AREA 1 EAST - ON WALLBOARD WALL - YELLOW ADHESIVE ASSOCIATED WITH BROWN COVE BASE	White Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-44A 031736051-0120	AREA 10 SOUTH WALL CENTER WINDOW - INTERIOR WINDOW CAULK BETWEEN WOOD/BRICK	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from 11/26/2017 03:51:54


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 ProjectID:

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 Fax: (888) 838-1160
 Received: 11/18/17 11:37 AM
 Analysis Date: 12/7/2017
 Collected: 11/16/2017

Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A &

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

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
111517EC-45A 031736051-0123	AREA 5 NORTH OFFICE INTERIOR WINDOW - INTERIOR WINDOW GLAZING COMPOUND	Gray Non-Fibrous Heterogeneous	99.8	None	0.18% Anthophyllite
111517EC-50A 031736051-0133	AREA 1 BOILER HOUSE SOUTH WALL INFILL / BRICK SEAM - NEW WHITE CAULK	White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-52A 031736051-0138	AREA 2 LOFT STAIRS - BLACK VINYL STAIR TREAD	Black Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-53A 031736051-0140	AREA 2 LOFT STAIRS - YELLOW ADHESIVE ASSOCIATED WITH BLACK VINYL STAIR TREAD	Yellow Fibrous Homogeneous	100	None	No Asbestos Detected
111517EC-54A 031736051-0142	AREA 4 - EAST WALL INSULATION - ASPHALT COATED PAPER FACING ON FIBERGLASS BATT INSULATION	Brown/Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
111517EC-56A 031736051-0147	AREA 5 - NORTH STEEL DOOR AT INTERIOR WOOD FRAME / BRICK - NEWER PLIABLE WHITE CAULK	Pink Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from 11/26/2017 03:51:54


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EMSL Order:	031736051
CustomerID:	ENVI54
CustomerPO:	20161001.A1E
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 Received: 11/18/17 11:37 AM
 Analysis Date: 12/7/2017
 Collected: 11/16/2017

Project: **20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A &**


The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

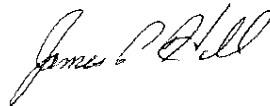
Sample Receipt Date::	11/18/2017	Sample Receipt Time:	11:37 AM
Analysis Completed Date:	12/7/2017	Analysis Completed Time:	4:48 AM

Analyst(s):


 Steven Li TEM EPA NOB (15)


 Wioletta Bis TEM EPA NOB (7)

Samples reviewed and approved by:


 James Hall, Laboratory Manager
 or other approved signatory

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

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from 11/26/2017 03:51:54



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EnviroScience, LLC

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031736051

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Project Name: Former Scovil Hoc Mill - Town of Haddam Project No. 20161001.A11E Date: 11/16/17

Site Address: 11 Candlewood Hill Road, Higganum, CT Location: Buildings A & B Project Manager: Kathleen Pane

Lab Note	Sample ID	Sample Location	Type of Material
Building A (North Building)- Exterior			
	111517EC-01A	South Center Roof Eve over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-01B	South West Roof Gable End over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-01C	South East Roof Corner over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-02A	South Center Roof Eve Under 3-Tab Shingle on Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-02B	South West Roof Gable End Under 3-Tab Shingle on Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-02C	South East Roof Corner Under 3-Tab Shingle on Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-03A	North East Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
	111517EC-03B	North East Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
	111517EC-04A	North Side, West Window Frame/Brick	Hard Tan Caulk
	111517EC-04B	South Side, West Window Frame/Brick	Hard Tan Caulk
	111517EC-04C	East Side, North Window Frame/Brick	Hard Tan Caulk
	111517EC-05A	North Side, West Window	Hard Tan Glazing Compound
	111517EC-05B	South Side, West Window	Hard Tan Glazing Compound
	111517EC-05C	East Side, North Window	Hard Tan Glazing Compound
	111517EC-06A	Overhead Bay Door 6 Frame / Brick	Rubbery Grey Caulk
	111517EC-06B	Overhead Bay Door 7 Frame / Brick	Rubbery Grey Caulk
	111517EC-06C	Overhead Bay Door 9 Frame / Brick	Rubbery Grey Caulk
	111517EC-07A	South Side West Steel Passage Door at Wood Frame / Brick	Rubbery Grey Caulk
	111517EC-07B	South Side East Steel Passage Door at Steel Frame / Brick (State of CT)	Rubbery Grey Caulk
	111517EC-08A	North Side Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White Caulk
	111517EC-08B	South Side East Original Wood Passage Door at Wood Frame / Brick	Original Hard White Caulk

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Lab Note	Sample ID	Sample Location	Type of Material
Building A (North Building)- Exterior			
	111517EC-09A	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick	Newer Dark Grey Caulk
	111517EC-09B	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick	Newer Dark Grey Caulk
	111517EC-09C	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick - Interior	Newer Dark Grey Caulk
	111517EC-10A	North East Corner	White Brick Mortar
	111517EC-10B	South East Corner	White Brick Mortar
	111517EC-10C	South West Corner	White Brick Mortar
Building B (South Building) - Exterior			
	111517EC-11A	North East Roof Eve over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-11B	North Center Roof Eve over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-11C	North West Roof Gable End over 30 Lb. Felt Paper and Wood	Black Red & Green Granular 3-Tab Asphalt Roof Shingle
	111517EC-12A	North East Roof Eve over 30 Lb. Felt Paper and Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-12B	North Center Roof Eve over 30 Lb. Felt Paper and Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-12C	North West Roof Gable End over 30 Lb. Felt Paper and Wood	Black 30 Lb. Asphalt Building Paper
	111517EC-13A	South West Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
	111517EC-13B	North East Chimney Stack at Roof	Black Asphalt Cold Process Roofing Cement
(NS)	111517EC-14A	Boiler Building Shed Roof on Wood -North	Single Ply Asphaltic Built-up Rood
(NS)	111517EC-14B	Boiler Building Shed Roof on Wood -South	Single Ply Asphaltic Built-up Rood
(NS)	111517EC-14C	Boiler Building Shed Roof on Wood - East	Single Ply Asphaltic Built-up Rood
(NS)	111517EC-15A	Boiler Building Shed Roof / Brick Wall - North West	Black Asphalt Cold Process Roofing Cement
(NS)	111517EC-15B	Boiler Building Shed Roof / Brick Wall - West Center	Black Asphalt Cold Process Roofing Cement
(NS)	111517EC-15C	Boiler Building Shed Roof / Brick Wall - South West	Black Asphalt Cold Process Roofing Cement
	111517EC-16A	East End, 2nd Floor North Window Frame/Brick	Hard Tan Caulk
	111517EC-16B	North Side, Center Window over Door Frame/Brick	Hard Tan Caulk
	111517EC-16C	South Side, West Window Frame/Brick	Hard Tan Caulk

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Lab Note	Sample ID	Sample Location	Type of Material
Building B (South Building) - Exterior			
	111517EC-17A	East End, 2nd Floor North Window Frame	Hard Tan Glazing Compound
	111517EC-17B	North Side, Center Window over Door	Hard Tan Glazing Compound
	111517EC-17C	South Side, West Window Frame	Hard Tan Glazing Compound
	111517EC-18A	East End Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk
	111517EC-18B	South Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk
	111517EC-19A	North Side Center Metal Passage Door at Metal Frame / Brick	Hard White Caulk
	111517EC-19B	North Side West Metal Passage Door at Wood Frame / Brick	Hard White Caulk
	111517EC-19C	North Side East Door at Frame / Brick	Hard White Caulk
	111517EC-20A	South West Chimney Stack Clean-out	Dark Grey Cementitious Furnace Cement
	111517EC-20B	South West Chimney Stack Clean-out	Dark Grey Cementitious Furnace Cement
	111517EC-20C	South West Chimney Stack Clean-out	Dark Grey Cementitious Furnace Cement
	111517EC-21A	South East Corner	Off White Brick Mortar
	111517EC-21B	South West Corner	Off White Brick Mortar
	111517EC-21C	North Center	Off White Brick Mortar
Building A - Interior			
(NS)	111517EC-22A	Attic- East Floor	Light Grey Cellulose Insulation Fill
(NS)	111517EC-22B	Attic - Center Floor	Light Grey Cellulose Insulation Fill
(NS)	111517EC-22C	Attic - West Floor	Light Grey Cellulose Insulation Fill
	111517EC-23A	Attic- East	Asphaltic Braided Electrical #12 Wire Insulation
	111517EC-23B	Attic - East	Asphaltic Braided Electrical #12 Wire Insulation
	111517EC-23C	Attic - West	Asphaltic Braided Electrical #12 Wire Insulation
	111517EC-24A	Attic- West Over 13 & 14 on bottom 2' of Principle Rafter Beam	Asphaltic Coating over 2" Cork Insulation
	111517EC-24B	Attic- West Over 13 & 14 on bottom 2' of Principle Rafter Beam	Asphaltic Coating over 2" Cork Insulation
	111517EC-24C	Attic- West Over 13 & 14 on bottom 2' of Principle Rafter Beam	Asphaltic Coating over 2" Cork Insulation

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Lab Note	Sample ID	Sample Location	Type of Material
Building A - Interior			
	111517EC-25A	Area 14 -North Brick Wall under Paint	Asphaltic Coating
	111517EC-25B	Area 14 -South Brick Wall under Paint	Asphaltic Coating
	111517EC-25C	Area 14 - East Brick Wall under Paint	Asphaltic Coating
	111517EC-26A	Attic West End -North Chimney Brick	Asphaltic Coating
	111517EC-26B	Attic West End -North Chimney Brick	Asphaltic Coating
	111517EC-26C	Attic West End -North Brick Wall at Floor	Asphaltic Coating
	111517EC-26D	Attic West End -North Brick Wall at Floor	Asphaltic Coating
	111517EC-27A	Attic West End Wall- Adjacent North Chimney	Thick Asphaltic Felt Paper
	111517EC-27B	Attic West End Wall- Adjacent North Chimney	Thick Asphaltic Felt Paper
	111517EC-27C	Attic West End Wall- Adjacent North Chimney	Thick Asphaltic Felt Paper
(NS)	111517EC-28A	Area 5 Ceiling	1/2" Gypsum Wallboard with Batten Boards at Seams
(NS)	111517EC-28B	Area 11 Ceiling	1/2" Gypsum Wallboard with Batten Boards at Seams
(NS)	111517EC-28C	Area 12 Ceiling	1/2" Gypsum Wallboard with Batten Boards at Seams
(NS)	111517EC-29A	South Attic Ceiling	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-29B	Area 5 Wall at Window	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-29C	Area 11 West Wall	1/2" Thick Grey Textured Paperboard Paneling
	111517EC-30A	Area 9 - West Wall	1/2" Gypsum Wallboard
	111517EC-30B	Area 9 - East Closet Wall	1/2" Gypsum Wallboard
	111517EC-30C	Area 11 - East Wall	1/2" Gypsum Wallboard
	111517EC-31A	Area 9 - West Wall	Joint Compound and Paper Tape
	111517EC-31B	Area 9 - East Closet Wall	Joint Compound and Paper Tape
	111517EC-31C	Area 11 - East Wall	Joint Compound and Paper Tape
	111517EC-32	Area 9 - West Wall	Wallboard /Joint Compound and Paper Tape Composite <i>Only analyze this sample if the above group is >1% "A"</i>
(NS)	111517EC-33A	Area 1 -Wall	1/2" Gypsum Wallboard
(NS)	111517EC-33B	Area 2 -Wall	1/2" Gypsum Wallboard
(NS)	111517EC-33C	Area 4 -Wall	1/2" Gypsum Wallboard

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Lab Note	Sample ID	Sample Location	Type of Material
Building A - Interior			
(NS)	111517EC-34A	Area 1 –Wall	Joint Compound and Paper Tape
(NS)	111517EC-34B	Area 2 –Wall	Joint Compound and Paper Tape
(NS)	111517EC-34C	Area 4 –Wall	Joint Compound and Paper Tape
(NS)	111517EC-35	Area 1 - Wall	Wallboard /Joint Compound and Paper Tape Composite
	111517EC-36A	Area 1 –Ceiling	2'x4' Sponge Look Suspended Ceiling Tile
	111517EC-36B	Area 1 –Ceiling	2'x4' Sponge Look Suspended Ceiling Tile
	111517EC-36C	Area 2 –Ceiling	2'x4' Sponge Look Suspended Ceiling Tile
	111517EC-37A	Area 4 –Ceiling	2'x2' Small Random Pock Marks Suspended Ceiling Tile
	111517EC-37B	Area 4 –Ceiling	2'x2' Small Random Pock Marks Suspended Ceiling Tile
(TEM)	111517EC-38A	Area 1 East –over Wood/Sheet Floor	12"x12" Tan Mottled Resilient Floor Tile
(NS)	111517EC-38B	Area 1 Adj Closet –over Wood/Sheet Floor	12"x12" Tan Mottled Resilient Floor Tile
(NS)	111517EC-38C	Area 9 Closet– over Wood/Sheet Floor	12"x12" Tan Mottled Resilient Floor Tile
(TEM)	111517EC-39A	Area 1 East –over Wood/Sheet Floor	Yellow Adhesive Associated with Tan Floor Tile
(NS)	111517EC-39B	Area 1 Adj Closet – over Wood/Sheet Floor	Yellow Adhesive Associated with Tan Floor Tile
(NS)	111517EC-39C	Area 9 Closet– over Wood/Sheet Floor	Yellow Adhesive Associated with Tan Floor Tile
(TEM)	111517EC-40A	Area 1 East –Under Tile on Elevated wood floor over Concrete	Brown Sheet Floor With Jute/Asphalt Backing
(NS)	111517EC-40B	Area 1 Adjacent Closet – Under Tile on Elevated wood floor over Concrete	Brown Sheet Floor With Jute/Asphalt Backing
(NS)	111517EC-40C	Area 9 Closet– Under Tile on Elevated wood floor over Concrete	Brown Sheet Floor With Jute/Asphalt Backing
(TEM)	111517EC-41A	Area 1 East –on Wallboard Wall	4" Brown Vinyl Cove Base
(NS)	111517EC-41B	Area 1 Adjacent Closet –on Wallboard Wall	4" Brown Vinyl Cove Base
(NS)	111517EC-41C	Area 2– on Wallboard Wall	4" Brown Vinyl Cove Base
(TEM)	111517EC-42A	Area 1 East –on Wallboard Wall	Yellow Adhesive Associated with Brown Cove Base
(NS)	111517EC-42B	Area 1 Adjacent Closet – on Wallboard Wall	Yellow Adhesive Associated with Brown Cove Base
(NS)	111517EC-42C	Area 2– on Wallboard Wall	Yellow Adhesive Associated with Brown Cove Base
	111517EC-43A	Area 1 Fireplace	Brick Mortar
	111517EC-43B	Area 1 Fireplace	Brick Mortar

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Lab Note	Sample ID	Sample Location	Type of Material
Building A - Interior			
	111517EC-44A	Area 10 South wall Center Window	Interior Window Caulk between Wood/Brick
	111517EC-44B	Area 10 South wall Center Window	Interior Window Caulk between Wood/Brick
	111517EC-44C	Area 10 South wall Center Window	Interior Window Caulk between Wood/Brick
	111517EC-45A	Area 5 West Entry Interior Window	Interior Window Glazing Compound
	111517EC-45B	Area 5 North Office Interior Window	Interior Window Glazing Compound
Building B - Interior			
	111517EC-46A	Area 1 Boiler House Ceiling	1/2" Gypsum Wallboard with no Tape & Compound
	111517EC-46B	Area 1 Boiler House Ceiling	1/2" Gypsum Wallboard with no Tape & Compound
	111517EC-46C	Area 1 Boiler House Ceiling	1/2" Gypsum Wallboard with no Tape & Compound
	111517EC-47A	Area 1 Boiler House South Wall Infill	1/2" Gypsum Wallboard
	111517EC-47B	Area 1 Boiler House South Wall Infill	1/2" Gypsum Wallboard
	111517EC-48A	Area 1 Boiler House South Wall Infill	Joint Compound and Paper Tape
	111517EC-48B	Area 1 Boiler House South Wall Infill	Joint Compound and Paper Tape
	111517EC-49	Area 1 Boiler House South Wall Infill	Wallboard /Joint Compound and Paper Tape Composite <i>Only analyze this sample if the above group is >1% "A"</i>
	111517EC-50A	Area 1 Boiler House South Wallboard Infill / Brick Seam	New White Caulk
	111517EC-50B	Area 1 Boiler House South Wallboard Infill / Brick Seam	New White Caulk
(NS)	111517EC-51A	Area 3 - Ceiling	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-51B	Area 3 Wall over Passage Door	1/2" Thick Grey Textured Paperboard Paneling
(NS)	111517EC-51C	Area 4 West Loft Wall	1/2" Thick Grey Textured Paperboard Paneling
(TEM)	111517EC-52A	Area 2 Loft Stairs	Black Vinyl Stair Tread
(NS)	111517EC-52B	Area 2 Loft Stairs	Black Vinyl Stair Tread
(TEM)	111517EC-53A	Area 2 Loft Stairs	Yellow Adhesive Associated with Black Vinyl Stair Tread
(NS)	111517EC-53B	Area 2 Loft Stairs	Yellow Adhesive Associated with Black Vinyl Stair Tread
	111517EC-54A	Area 4 - East Wall Insulation	Asphalt Coated Paper Facing on Fiberglass Batt Insulation
	111517EC-54B	Area 4 - East Wall Insulation	Asphalt Coated Paper Facing on Fiberglass Batt Insulation
	111517EC-54C	Area 4 - East Wall Insulation	Asphalt Coated Paper Facing on Fiberglass Batt Insulation

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Lab Note	Sample ID	Sample Location	Type of Material
Building B - Interior			
	111517EC-55A	Area 2 – South Wall Steam Line Fittings	Brown Pipe Thread Sealant
	111517EC-55B	Area 4 – South Wall Steam Line Fittings	Brown Pipe Thread Sealant
	111517EC-56A	Area 5 – North Steel Door at Interior Wood Frame/Brick	Newer Pliable White Caulk
	111517EC-56B	Area 5 – North Steel Door at Exterior Wood Frame/Brick	Newer Pliable White Caulk Applied over old Hard Caulk

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 t/a/t at (860) 646-2469.

FAX Results to: 888-838-1160 Email Results to: kpane@fando.com **Do Not Mail Hard Copy Report** Total # of Samples: 111

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

Lab Notes: (NS)=Sample Not Submitted, (TEM)=TEM NOB Analysis only

Samples collected by: Eric Cooley & Stacy Vandever Date: 11/14 & 15/17 Time: 0800 - 1800Samples Sent by: Eric Cooley Date: 11/17/17 Time: 1700Samples Received by: [Signature] Date: 11/18/17 Time: 4:37 PMShipped To: ☒ EMSL State: NY, NY ☐ Other _____Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____

17 NOV 18 AM 11:37



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order: 031736051
Customer ID: ENVI54
Customer PO: 20161001.A1E
Project ID:

Attention: Kathleen Pane
 Fuss & O'Neill EnviroScience, LLC
 146 Hartford Road
 Manchester, CT 06040

Phone: (860) 510-9290

Fax: (888) 838-1160

Received Date: 11/18/2017 11:37 AM

Analysis Date: 11/25/2017

Collected Date: 11/16/2017

Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A & B

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-01A 031736051-0001	SOUTH CENTER ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	5% Glass	10% Quartz 85% Non-fibrous (Other)	None Detected
111517EC-01B 031736051-0002	SOUTH WEST ROOF GABLE END OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	3% Glass	5% Quartz 92% Non-fibrous (Other)	None Detected
111517EC-01C 031736051-0003	SOUTH CENTER ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	5% Cellulose	12% Quartz 15% Ca Carbonate 68% Non-fibrous (Other)	None Detected
111517EC-02A 031736051-0004	SOUTH CENTER ROOF EVE UNDER 3-TAB SHINGLE ON WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
111517EC-02B 031736051-0005	SOUTH WEST ROOF GABLE END UNDER 3-TAB SHINGLE ON WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/25/2017 12:58:55



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order: 031736051
Customer ID: ENVI54
Customer PO: 20161001.A1E
Project ID:

Attention: Kathleen Pane
 Fuss & O'Neill EnviroScience, LLC
 146 Hartford Road
 Manchester, CT 06040

Phone: (860) 510-9290
Fax: (888) 838-1160
Received Date: 11/18/2017 11:37 AM
Analysis Date: 11/25/2017
Collected Date: 11/16/2017

Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A & B

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-02C 031736051-0006	SOUTH EAST ROOF CORNER UNDER 3-TAB SHINGLE ON WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Non-Fibrous Homogeneous	32% Cellulose	68% Non-fibrous (Other)	None Detected
111517EC-03A 031736051-0007	NORTH EAST CHIMNEY STACK AT ROOF - BLACK ASPHALT COLD PROCESS ROOFING CEMENT	Black Non-Fibrous Homogeneous		91% Non-fibrous (Other)	9% Chrysotile
111517EC-03B 031736051-0008	NORTH EAST CHIMNEY STACK AT ROOF - BLACK ASPHALT COLD PROCESS ROOFING CEMENT				Positive Stop (Not Analyzed)
111517EC-04A 031736051-0009	NORTH SIDE, WEST WINDOW FRAME / BRICK - HARD TAN CAULK	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 63% Non-fibrous (Other)	2% Anthophyllite
111517EC-04B 031736051-0010	SOUTH SIDE, WEST WINDOW FRAME / BRICK - HARD TAN CAULK				Positive Stop (Not Analyzed)
111517EC--04C 031736051-0011	EAST SIDE, NORTH WINDOW FRAME / BRICK - HARD TAN CAULK				Positive Stop (Not Analyzed)
111517EC-05A 031736051-0012	NORTH SIDE, WEST WINDOW - HARD TAN GLAZING COMPOUND	White Non-Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Anthophyllite
111517EC-05B 031736051-0013	SOUTH SIDE, WEST WINDOW - HARD TAN GLAZING COMPOUND				Positive Stop (Not Analyzed)

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EMSL Order: 031736051
Customer ID: ENVI54
Customer PO: 20161001.A1E
Project ID:

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Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A & B

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-05C 031736051-0014	EAST SIDE, NORTH WINDOW - HARD TAN GLAZING COMPOUND				Positive Stop (Not Analyzed)
111517EC-06A 031736051-0015	OVERHEAD BAY DOOR 6 FRAME / BRICK - RUBBERY GREY CAULK	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111517EC-06B 031736051-0016	OVERHEAD BAY DOOR 7 FRAME / BRICK - RUBBERY GREY CAULK	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
111517EC-06C 031736051-0017	OVERHEAD BAY DOOR 9 FRAME / BRICK - RUBBERY GREY CAULK	Gray Non-Fibrous Homogeneous		27% Ca Carbonate 73% Non-fibrous (Other)	None Detected
111517EC-07A 031736051-0018	SOUTH SIDE WEST STEEL PASSAGE DOOR AT WOOD FRAME / BRICK - RUBBERY GREY CAULK	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
111517EC-07B 031736051-0019	SOUTH SIDE EAST STEEL PASSAGE DOOR AT WOOD FRAME / BRICK (STATE OF CT) - RUBBERY GREY CAULK	Tan Non-Fibrous Homogeneous		27% Ca Carbonate 73% Non-fibrous (Other)	None Detected
111517EC-08A 031736051-0020	NORTH SIDE CENTER ORIGINAL WOOD PASSAGE DOOR AT FRAME / BRICK - ORIGINAL HARD WHITE CAULK	Gray/Tan Non-Fibrous Homogeneous		25% Ca Carbonate 72% Non-fibrous (Other)	3% Anthophyllite

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-08B 031736051-0021	SOUTH SIDE CENTER ORIGINAL WOOD PASSAGE DOOR AT FRAME / BRICK - ORIGINAL HARD WHITE CAULK				Positive Stop (Not Analyzed)
111517EC-09A 031736051-0022	BETWEEN BAY 8 & 9 - STEEL PASSAGE DOOR AT METAL FRAME / BRICK - NEWER DARK GREY CAULK	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111517EC-09B 031736051-0023	BETWEEN BAY 8 & 9 - STEEL PASSAGE DOOR AT METAL FRAME / BRICK - NEWER DARK GREY CAULK	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111517EC-09C 031736051-0024	BETWEEN BAY 8 & 9 - STEEL PASSAGE DOOR AT METAL FRAME / BRICK (INTERIOR) - NEWER DARK GREY CAULK	Gray/Black Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
111517EC-10A 031736051-0025	NORTH EAST CORNER - WHITE BRICK MORTAR	Tan Non-Fibrous Homogeneous		20% Quartz 25% Ca Carbonate 55% Non-fibrous (Other)	None Detected
111517EC-10B 031736051-0026	SOUTH EAST CORNER - WHITE BRICK MORTAR	Tan Non-Fibrous Homogeneous		35% Quartz 25% Ca Carbonate 40% Non-fibrous (Other)	None Detected
111517EC-10C 031736051-0027	SOUTH WEST CORNER - WHITE BRICK MORTAR	Tan Non-Fibrous Homogeneous		43% Quartz 25% Ca Carbonate 32% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-11A 031736051-0028	NORTH EAST ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	3% Glass	5% Quartz 92% Non-fibrous (Other)	None Detected
111517EC-11B 031736051-0029	NORTH CENTER ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	5% Glass	5% Quartz 90% Non-fibrous (Other)	None Detected
111517EC-11C 031736051-0030	NORTH WEST GABLE END OVER 30 LB. FELT PAPER AND WOOD - BLACK RED & GREEN GRANULAR -TAB ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	8% Glass	7% Quartz 85% Non-fibrous (Other)	None Detected
111517EC-12A 031736051-0031	NORTH EAST ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
111517EC-12B 031736051-0032	NORTH CENTER ROOF EVE OVER 30 LB. FELT PAPER AND WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Non-Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-12C 031736051-0033	NORTH WEST GABLE END OVER 30 LB. FELT PAPER AND WOOD - BLACK 30 LB. ASPHALT BUILDING PAPER	Black Fibrous Homogeneous	32% Cellulose	68% Non-fibrous (Other)	None Detected
111517EC-13A 031736051-0034	SOUTH WEST CHIMNEY STACK AT ROOF - BLACK ASPHALT COLD PROCESS ROOFING CEMENT	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
111517EC-13B 031736051-0035	NORTH EAST CHIMNEY STACK AT ROOF - BLACK ASPHALT COLD PROCESS ROOFING CEMENT				Positive Stop (Not Analyzed)
111517EC-14A 031736051-0036	BOILER BUILDING SHED ROOF ON WOOD - NORTH - SINGLE PLY ASPHALTIC BUILT-UP ROOD				Not Submitted
111517EC-14B 031736051-0037	BOILER BUILDING SHED ROOF ON WOOD - SOUTH - SINGLE PLY ASPHALTIC BUILT-UP ROOD				Not Submitted
111517EC-14C 031736051-0038	BOILER BUILDING SHED ROOF ON WOOD - EAST - SINGLE PLY ASPHALTIC BUILT-UP ROOD				Not Submitted

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-15A 031736051-0039	BOILER BUILDING SHED ROOF / BRICK WALL - NORTH WEST - BLACK ASPHALT COLD PROCESS ROOFING CEMENT				Not Submitted
111517EC-15B 031736051-0040	BOILER BUILDING SHED ROOF / BRICK WALL - WEST CENTER - BLACK ASPHALT COLD PROCESS ROOFING CEMENT				Not Submitted
111517EC-15C 031736051-0041	BOILER BUILDING SHED ROOF / BRICK WALL - SOUTH WEST - BLACK ASPHALT COLD PROCESS ROOFING CEMENT				Not Submitted
111517EC-16A 031736051-0042	EAST END, 2ND FLOOR NORTH WINDOW FRAME / BRICK - HARD TAN CAULK	Brown/Tan Non-Fibrous Homogeneous		20% Ca Carbonate 77% Non-fibrous (Other)	3% Anthophyllite
111517EC-16B 031736051-0043	NORTH SIDE, CENTER WINDOW OVER DOOR FRAME / BRICK - HARD TAN CAULK				Positive Stop (Not Analyzed)
111517EC-16C 031736051-0044	SOUTH SIDE, WEST WINDOW FRAME / BRICK - HARD TAN CAULK				Positive Stop (Not Analyzed)
111517EC-17A 031736051-0045	EAST END, 2ND FLOOR NORTH WINDOW FRAME / BRICK - HARD TAN GLAZING COMPOUND	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-17B 031736051-0046	NORTH SIDE, CENTER WINDOW OVER DOOR - HARD TAN GLAZING COMPOUND	White Non-Fibrous Homogeneous		20% Ca Carbonate 78% Non-fibrous (Other)	<1% Anthophyllit 2% e Chrysotile
111517EC-17C 031736051-0047	SOUTH SIDE, WEST WINDOW FRAME - HARD TAN GLAZING COMPOUND				Positive Stop (Not Analyzed)
111517EC-18A 031736051-0048	EAST END ORIGINAL WOOD PASSAGE DOOR AT WOOD FRAME / BRICK - ORIGINAL HARD WHITE/TAN CAULK	Tan Non-Fibrous Homogeneous	15% Fibrous_Other	25% Ca Carbonate 56% Non-fibrous (Other)	4% Anthophyllit e
111517EC-18B 031736051-0049	SOUTH CENTER ORIGINAL WOOD PASSAGE DOOR AT WOOD FRAME / BRICK - ORIGINAL HARD WHITE/TAN CAULK				Positive Stop (Not Analyzed)
111517EC-19A 031736051-0050	NORTH SIDE CENTER METAL PASSAGE DOOR AT METAL FRAME / BRICK - HARD WHITE CAULK	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
111517EC-19B 031736051-0051	NORTH SIDE WEST METAL PASSAGE DOOR AT METAL FRAME / BRICK - HARD WHITE CAULK	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111517EC-19C 031736051-0052	NORTH SIDE EAST DOOR AT FRAME / BRICK - HARD WHITE CAULK	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	2% Anthophyllit e

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-20A 031736051-0053	SOUTH SIDE WEST CHIMNEY STACK CLEAN OUT - DARK GREY CEMENTITIOUS FURNACE CEMENT	Gray Non-Fibrous Homogeneous		35% Ca Carbonate 20% Gypsum 45% Non-fibrous (Other)	None Detected
111517EC-20B 031736051-0054	SOUTH SIDE WEST CHIMNEY STACK CLEAN OUT - DARK GREY CEMENTITIOUS FURNACE CEMENT	Gray Non-Fibrous Homogeneous		20% Quariz 25% Ca Carbonate 55% Non-fibrous (Other)	None Detected
111517EC-20C 031736051-0055	SOUTH SIDE WEST CHIMNEY STACK CLEAN OUT - DARK GREY CEMENTITIOUS FURNACE CEMENT	Gray Non-Fibrous Homogeneous		43% Quariz 15% Ca Carbonate 42% Non-fibrous (Other)	None Detected
111517EC-21A 031736051-0056	SOUTH EAST CORNER - OFF WHITE BRICK MORTAR	Brown Non-Fibrous Homogeneous		30% Quariz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
111517EC-21B 031736051-0057	SOUTH WEST CORNER - OFF WHITE BRICK MORTAR	Brown Non-Fibrous Homogeneous		25% Quariz 25% Ca Carbonate 50% Non-fibrous (Other)	None Detected
111517EC-21C 031736051-0058	NORTH CENTER - OFF WHITE BRICK MORTAR	Gray/Red Non-Fibrous Homogeneous		22% Quariz 78% Non-fibrous (Other)	None Detected
111517EC-22A 031736051-0059	ATTIC - EAST FLOOR - LIGHT GREY CELLULOSE INSULATION FILL				Not Submitted
111517EC-22B 031736051-0060	ATTIC - CENTER FLOOR - LIGHT GREY CELLULOSE INSULATION FILL				Not Submitted

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-22C 031736051-0061	ATTIC - WEST FLOOR - LIGHT GREY CELLULOSE INSULATION FILL				Not Submitted
111517EC-23A 031736051-0062	ATTIC - EAST - ASPHALTIC BRAIDED ELECTRICAL WIRE #12 WIRE INSULATION				Not Submitted
111517EC-23B 031736051-0063	ATTIC - EAST - ASPHALTIC BRAIDED ELECTRICAL WIRE #12 WIRE INSULATION	Brown/Black Non-Fibrous Homogeneous	22% Cellulose	15% Ca Carbonate 63% Non-fibrous (Other)	None Detected
111517EC-23C 031736051-0064	ATTIC - WEST - ASPHALTIC BRAIDED ELECTRICAL WIRE #12 WIRE INSULATION	Black Non-Fibrous Homogeneous	5% Cellulose	22% Ca Carbonate 73% Non-fibrous (Other)	None Detected
111517EC-24A 031736051-0065	ATTIC- WEST OVER 13 & 14 ON BOTTOM 2' OF PRINCIPLE RAFTER BEAM - ASPHALTIC COATING OVER 2" CORK INSULATION	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
111517EC-24B 031736051-0066	ATTIC- WEST OVER 13 & 14 ON BOTTOM 2' OF PRINCIPLE RAFTER BEAM - ASPHALTIC COATING OVER 2" CORK INSULATION	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
111517EC-24C 031736051-0067	ATTIC- WEST OVER 13 & 14 ON BOTTOM 2' OF PRINCIPLE RAFTER BEAM - ASPHALTIC COATING OVER 2" CORK INSULATION	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-25A 031736051-0068	AREA 14 - NORTH BRICK WALL UNDER PAINT - ASPHALTIC COATING	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
111517EC-25B 031736051-0069	AREA 14 - SOUTH BRICK WALL UNDER PAINT - ASPHALTIC COATING	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
111517EC-25C 031736051-0070	AREA 14 - EAST BRICK WALL UNDER PAINT - ASPHALTIC COATING	Tan/Black Non-Fibrous Homogeneous		12% Ca Carbonate 88% Non-fibrous (Other)	None Detected
111517EC-26A 031736051-0071	ATTIC WEST END - NORTH CHIMNEY BRICK - ASPHALTIC COATING	Black Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
111517EC-26B 031736051-0072	ATTIC WEST END - NORTH CHIMNEY BRICK - ASPHALTIC COATING	Black Non-Fibrous Homogeneous	6% Glass	94% Non-fibrous (Other)	None Detected
111517EC-26C 031736051-0073	ATTIC WEST END - NORTH BRICK WALL AT FLOOR - ASPHALTIC COATING	Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
111517EC-26D 031736051-0074	ATTIC WEST END - NORTH BRICK WALL AT FLOOR - ASPHALTIC COATING	Black Non-Fibrous Homogeneous	4% Glass	96% Non-fibrous (Other)	None Detected
111517EC-27A 031736051-0075	ATTIC WEST END WALL - ADJACENT NORTH CHIMNEY - THICK ASPHALTIC FELT PAPER	Black Non-Fibrous Homogeneous	4% Glass	96% Non-fibrous (Other)	None Detected

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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
111517EC-27B 031736051-0076	ATTIC WEST END WALL - ADJACENT NORTH CHIMNEY - THICK ASPHALTIC FELT PAPER	Black Non-Fibrous Homogeneous	10% Cellulose 3% Glass	87% Non-fibrous (Other)	None Detected
111517EC-27C 031736051-0077	ATTIC WEST END WALL - ADJACENT NORTH CHIMNEY - THICK ASPHALTIC FELT PAPER	Black Non-Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected
111517EC-28A 031736051-0078	AREA 5 CEILING - 1/2" GYPSUM WALLBOARD WITH BATTEN BOARDS AT SEAMS				Not Submitted
111517EC-28B 031736051-0079	AREA 11 CEILING - 1/2" GYPSUM WALLBOARD WITH BATTEN BOARDS AT SEAMS				Not Submitted
111517EC-28C 031736051-0080	AREA 12 CEILING - 1/2" GYPSUM WALLBOARD WITH BATTEN BOARDS AT SEAMS				Not Submitted
111517EC-29A 031736051-0081	SOUTH ATTIC CEILING - 1/2" THICK GREY TEXTURED PAPERBOARD PANELING				Not Submitted
111517EC-29B 031736051-0082	AREA 5 WALL AT WINDOW - 1/2" THICK GREY TEXTURED PAPERBOARD PANELING				Not Submitted

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-29C 031736051-0083	AREA 11 WEST WALL - 1/2" THICK GREY TEXTURED PAPERBOARD PANELING				Not Submitted
111517EC-30A 031736051-0084	AREA 9 - WEST WALL - 1/2" GYPSUM WALLBOARD	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose 2% Glass	65% Gypsum 21% Non-fibrous (Other)	None Detected
111517EC-30B 031736051-0085	AREA 9 - EAST CLOSET WALL - 1/2" GYPSUM WALLBOARD	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose 6% Glass	65% Gypsum 19% Non-fibrous (Other)	None Detected
111517EC-30C 031736051-0086	AREA 11 EAST WALL - 1/2" GYPSUM WALLBOARD	Gray Non-Fibrous Homogeneous	5% Cellulose 3% Glass	54% Gypsum 38% Non-fibrous (Other)	None Detected
111517EC-31A 031736051-0087	AREA 9 - WEST WALL - JOINT COMPOUND AND PAPER TAPE	Tan/White Non-Fibrous Homogeneous	5% Cellulose	70% Ca Carbonate 25% Non-fibrous (Other)	None Detected
111517EC-31B 031736051-0088	AREA 9 - EAST CLOSET WALL - JOINT COMPOUND AND PAPER TAPE	Brown/White Non-Fibrous Homogeneous	25% Cellulose	55% Ca Carbonate 20% Non-fibrous (Other)	None Detected
111517EC-31C 031736051-0089	AREA 11 EAST WALL - JOINT COMPOUND AND PAPER TAPE	White Non-Fibrous Homogeneous		67% Ca Carbonate 3% Mica 30% Non-fibrous (Other)	None Detected
111517EC-32 031736051-0090	AREA 9 - WEST WALL - WALLBOARD/JOINT COMPOUND AND PAPER TAPE COMPOSITE (ONLY ANALYZE IF THE ABOVE GROUP IS >1% "A")	Brown/Gray/Tan Non-Fibrous Homogeneous	10% Cellulose	20% Ca Carbonate 55% Gypsum 15% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-33A 031736051-0091	AREA 1 - WALL - 1/2" GYPSUM WALLBOARD				Not Submitted
111517EC-33B 031736051-0092	AREA 2 - WALL - 1/2" GYPSUM WALLBOARD				Not Submitted
111517EC-33C 031736051-0093	AREA 4 - WALL - 1/2" GYPSUM WALLBOARD				Not Submitted
111517EC-34A 031736051-0094	AREA 1 - WALL - JOINT COMPOUND AND PAPER TAPE				Not Submitted
111517EC-34B 031736051-0095	AREA 2 - WALL - JOINT COMPOUND AND PAPER TAPE				Not Submitted
111517EC-34C 031736051-0096	AREA 4 - WALL - JOINT COMPOUND AND PAPER TAPE				Not Submitted
111517EC-35 031736051-0097	AREA 1 - WALL - WALLBOARD/JOINT COMPOUND AND PAPER TAPE COMPOSITE	White Non-Fibrous Homogeneous	8% Cellulose	15% Ca Carbonate 65% Gypsum 2% Mica 10% Non-fibrous (Other)	None Detected
111517EC-36A 031736051-0098	AREA 1 - CEILING - 2'X4' SPONGE LOOK SUSPENDED CEILING TILE	Gray Fibrous Homogeneous	55% Cellulose 20% Glass	25% Non-fibrous (Other)	None Detected
111517EC-36B 031736051-0099	AREA 1 - CEILING - 2'X4' SPONGE LOOK SUSPENDED CEILING TILE	Gray Fibrous Homogeneous	58% Cellulose 25% Glass	17% Non-fibrous (Other)	None Detected

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-36C 031736051-0100	AREA 2 - CEILING - 2'X4' SPONGE LOOK SUSPENDED CEILING TILE	Gray Fibrous Homogeneous	43% Cellulose 35% MinWool	22% Non-fibrous (Other)	None Detected
111517EC-37A 031736051-0101	AREA 4 - CEILING - 2'X2' SMALL RANDOM POCK MARKS SUSPENDED CEILING TILE	Gray Fibrous Homogeneous	45% Cellulose 30% Glass	25% Non-fibrous (Other)	None Detected
111517EC-37B 031736051-0102	AREA 4 - CEILING - 2'X2' SMALL RANDOM POCK MARKS SUSPENDED CEILING TILE	Gray/White Fibrous Homogeneous	45% Cellulose 32% MinWool	23% Non-fibrous (Other)	None Detected
111517EC-38A 031736051-0103	AREA 1 EAST - OVER WOOD/SHEET FLOOR - 12"X12" TAN MOTTLED RESILIENT FLOOR TILE	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
111517EC-38B 031736051-0104	AREA 1 ADJ CLOSET - OVER WOOD/SHEET FLOOR - 12"X12" TAN MOTTLED RESILIENT FLOOR TILE				Not Submitted
111517EC-38C 031736051-0105	AREA 9 CLOSET - OVER WOOD/SHEET FLOOR - 12"X12" TAN MOTTLED RESILIENT FLOOR TILE				Not Submitted
111517EC-39A 031736051-0106	AREA 1 EAST - OVER WOOD/SHEET FLOOR - YELLOW ADHESIVE ASSOCIATED WITH TAN FLOOR TILE	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-39B 031736051-0107	AREA 1 ADJ CLOSET - OVER WOOD/SHEET FLOOR - YELLOW ADHESIVE ASSOCIATED WITH TAN FLOOR TILE				Not Submitted
111517EC-39C 031736051-0108	AREA 9 CLOSET - OVER WOOD/SHEET FLOOR - YELLOW ADHESIVE ASSOCIATED WITH TAN FLOOR TILE				Not Submitted
111517EC-40A 031736051-0109	AREA 1 EAST - UNDER TILE ON ELEVATED WOOD FLOOR OVER CONCRETE - BROWN SHEET FLOOR WITH JUTE/ASPHALT BACKING	Brown/Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
111517EC-40B 031736051-0110	AREA 1 ADJ CLOSET - UNDER TILE ON ELEVATED WOOD FLOOR OVER CONCRETE - BROWN SHEET FLOOR WITH JUTE/ASPHALT BACKING				Not Submitted
111517EC-40C 031736051-0111	AREA 9 CLOSET - UNDER TILE ON ELEVATED WOOD FLOOR OVER CONCRETE - BROWN SHEET FLOOR WITH JUTE/ASPHALT BACKING				Not Submitted

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-41A 031736051-0112	AREA 1 EAST - ON WALLBOARD WALL - 4" BROWN VINYL COVE BASE	Brown Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
111517EC-41B 031736051-0113	AREA 1 ADJ CLOSET - ON WALLBOARD WALL - 4" BROWN VINYL COVE BASE				Not Submitted
111517EC-41C 031736051-0114	AREA 2 - ON WALLBOARD WALL - 4" BROWN VINYL COVE BASE				Not Submitted
111517EC-42A 031736051-0115	AREA 1 EAST - ON WALLBOARD WALL - YELLOW ADHESIVE ASSOCIATED WITH BROWN COVE BASE	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
111517EC-42B 031736051-0116	AREA 1 ADJ CLOSET - ON WALLBOARD WALL - YELLOW ADHESIVE ASSOCIATED WITH BROWN COVE BASE				Not Submitted
111517EC-42C 031736051-0117	AREA 2 - ON WALLBOARD WALL - YELLOW ADHESIVE ASSOCIATED WITH BROWN COVE BASE				Not Submitted
111517EC-43A 031736051-0118	AREA 1 FIREPLACE - BRICK MORTAR	Gray Non-Fibrous Homogeneous		60% Quartz 20% Ca Carbonate 20% Non-fibrous (Other)	None Detected
111517EC-43B 031736051-0119	AREA 10 SOUTH WALL CENTER WINDOW - BRICK MORTAR	Gray Non-Fibrous Homogeneous		54% Quartz 15% Ca Carbonate 31% Non-fibrous (Other)	None Detected

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Collected Date: 11/16/2017

Project: 20161001.A1E / FORMER SCOVIL HOE MILL - TOWN OF HADDAM / 11 CANDLEWOOD HILL ROAD / HIGGANUM, CT / BUILDINGS A & B

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-44A 031736051-0120	AREA 10 SOUTH WALL CENTER WINDOW - INTERIOR WINDOW CAULK BETWEEN WOOD/BRICK	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 68% Non-fibrous (Other)	7% Chrysotile
111517EC-44B 031736051-0121	AREA 10 SOUTH WALL CENTER WINDOW - INTERIOR WINDOW CAULK BETWEEN WOOD/BRICK				Positive Stop (Not Analyzed)
111517EC-44C 031736051-0122	AREA 5 WEST ENTRY INTERIOR WINDOW - INTERIOR WINDOW CAULK BETWEEN WOOD/BRICK				Positive Stop (Not Analyzed)
111517EC-45A 031736051-0123	AREA 5 NORTH OFFICE INTERIOR WINDOW - INTERIOR WINDOW GLAZING COMPOUND	Gray Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	<1% Anthophyllite
111517EC-45B 031736051-0124	AREA 1 BOILER HOUSE CEILING - INTERIOR WINDOW GLAZING COMPOUND	Gray Non-Fibrous Homogeneous		23% Ca Carbonate 77% Non-fibrous (Other)	None Detected
111517EC-46A 031736051-0125	AREA 1 BOILER HOUSE CEILING - 1/2" GYPSUM WALLBOARD WITH NO TAPE & COMPOUND	Gray Non-Fibrous Homogeneous	2% Cellulose 2% Glass	70% Gypsum 26% Non-fibrous (Other)	None Detected
111517EC-46B 031736051-0126	AREA 1 BOILER HOUSE CEILING - 1/2" GYPSUM WALLBOARD WITH NO TAPE & COMPOUND	Gray Non-Fibrous Homogeneous	4% Cellulose 2% Glass	70% Gypsum 24% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New York, NY AHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 11/25/2017 12:58:55



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Project ID:

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 Manchester, CT 06040

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-46C 031736051-0127	AREA 1 BOILER HOUSE SOUTH WALL INFILL - 1/2" GYPSUM WALLBOARD WITH NO TAPE & COMPOUND	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose 3% Glass	54% Gypsum 31% Non-fibrous (Other)	None Detected
111517EC-47A 031736051-0128	AREA 1 BOILER HOUSE SOUTH WALL INFILL - 1/2" GYPSUM WALLBOARD	Brown/Gray Non-Fibrous Homogeneous	10% Cellulose 3% Glass	70% Gypsum 17% Non-fibrous (Other)	None Detected
111517EC-47B 031736051-0129	AREA 1 BOILER HOUSE SOUTH WALL INFILL - 1/2" GYPSUM WALLBOARD	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose 3% Glass	65% Gypsum 20% Non-fibrous (Other)	None Detected
111517EC-48A 031736051-0130	AREA 1 BOILER HOUSE SOUTH WALL INFILL - JOINT COMPOUND AND PAPER TAPE	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
111517EC-48B 031736051-0131	AREA 1 BOILER HOUSE SOUTH WALL INFILL - JOINT COMPOUND AND PAPER TAPE	White Non-Fibrous Homogeneous		78% Ca Carbonate 22% Non-fibrous (Other)	None Detected
111517EC-49 031736051-0132	AREA 1 BOILER HOUSE SOUTH WALL INFILL - WALLBOARD/JOINT COMPOUND AND PAPER TAPE COMPOSITE (ONLY ANALYZE IF THE ABOVE GROUP IS >1% "A")	Brown/Gray Non-Fibrous Homogeneous	12% Cellulose 3% Glass	65% Gypsum 20% Non-fibrous (Other)	None Detected
111517EC-50A 031736051-0133	AREA 1 BOILER HOUSE SOUTH WALL INFILL / BRICK SEAM - NEW WHITE CAULK	White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-50B 031736051-0134	AREA 1 BOILER HOUSE SOUTH WALL INFILL / BRICK SEAM - NEW WHITE CAULK	White Non-Fibrous Homogeneous		34% Ca Carbonate 66% Non-fibrous (Other)	None Detected
111517EC-51A 031736051-0135	AREA 3 - CEILING - 1/2" THICK GREY TEXTURED PAPERBOARD PANELING				Not Submitted
111517EC-51B 031736051-0136	AREA 3 WALL OVER PASSAGE DOOR - 1/2" THICK GREY TEXTURED PAPERBOARD PANELING				Not Submitted
111517EC-51C 031736051-0137	AREA 4 WEST LOFT WALL - 1/2" THICK GREY TEXTURED PAPERBOARD PANELING				Not Submitted
111517EC-52A 031736051-0138	AREA 2 LOFT STAIRS - BLACK VINYL STAIR TREAD	Black Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
111517EC-52B 031736051-0139	AREA 2 LOFT STAIRS - BLACK VINYL STAIR TREAD				Not Submitted
111517EC-53A 031736051-0140	AREA 2 LOFT STAIRS - YELLOW ADHESIVE ASSOCIATED WITH BLACK VINYL STAIR TREAD	Yellow Non-Fibrous Homogeneous	3% Cellulose	15% Ca Carbonate 82% Non-fibrous (Other)	None Detected
111517EC-53B 031736051-0141	AREA 2 LOFT STAIRS - YELLOW ADHESIVE ASSOCIATED WITH BLACK VINYL STAIR TREAD				Not Submitted

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
111517EC-54A 031736051-0142	AREA 4 - EAST WALL INSULATION - ASPHALT COATED PAPER FACING ON FIBERGLASS BATT INSULATION	Brown/Black Fibrous Homogeneous	45% Cellulose 20% MinWool	35% Non-fibrous (Other)	None Detected
111517EC-54B 031736051-0143	AREA 4 - EAST WALL INSULATION - ASPHALT COATED PAPER FACING ON FIBERGLASS BATT INSULATION	Brown/Black Fibrous Homogeneous	50% Cellulose 25% MinWool	25% Non-fibrous (Other)	None Detected
111517EC-54C 031736051-0144	AREA 4 - EAST WALL INSULATION - ASPHALT COATED PAPER FACING ON FIBERGLASS BATT INSULATION	Brown/Black Fibrous Homogeneous	54% Cellulose	46% Non-fibrous (Other)	None Detected
111517EC-55A 031736051-0145	AREA 2 - SOUTH WALL STEAM LINE FITTINGS - BROWN PIPE THREAD SEALANT	Brown Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
111517EC-55B 031736051-0146	AREA 4 - SOUTH WALL STEAM LINE FITTINGS - BROWN PIPE THREAD SEALANT	Brown Non-Fibrous Homogeneous		32% Ca Carbonate 68% Non-fibrous (Other)	None Detected
111517EC-56A 031736051-0147	AREA 5 - NORTH STEEL DOOR AT INTERIOR WOOD FRAME / BRICK - NEWER PLIABLE WHITE CAULK	Pink Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
111517EC-56B	AREA 5 - NORTH	Pink		32% Ca Carbonate	None Detected
031736051-0148	STEEL DOOR AT	Non-Fibrous		68% Non-fibrous (Other)	
	INTERIOR WOOD	Homogeneous			
	FRAME / BRICK -				
	NEWER PLIABLE				
	WHITE CAULK				
	APPLIED OVER OLD				
	HARD CAULK				

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The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 11/18/2017

Sample Receipt Time: 11:37 AM

Analysis Completed Date: 11/25/2017

Analysis Completed Time: 11:32 AM

Analyst(s):

Ghaly Hemaya PLM (69)

Kamel Alawawda PLM (29)

Samples Reviewed and approved by:

James Hall, Laboratory Manager
 or other approved signatory

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Appendix E

Site Photographs



Exterior North Building – Building A



Typical window system



Example of asbestos-containing roof flashing materials/base flashing



Exterior of South Building – Building B

Appendix F

EnviroMed 2001 Lead Inspection Report



Lead Inspection Report

for

**Department of Transportation
Building #81-106 and #81-115
Higganum Repair Garage**

Higganum, Connecticut

Client Project #: 581269

prepared for:

State of Connecticut
Department of Transportation
Newington, Connecticut 06111

August 28, 29 & October 2, 2001
EnviroMed Project #: IH-01-653

25 Science Park • New Haven, CT 06511
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I. INTRODUCTION

Introduction

Lead poisoning is a significant health hazard. High lead concentrations in the body can cause serious damage to the kidneys, the red blood cells, the central nervous system and the brain. One source of lead in the environment is lead-based paint. Leaded paint may contain up to 50% lead. Lead-based paint was widely used until it was banned in 1978.

Inspection Report

This inspection report consists of an introduction, project narrative, sample results table, sample results diagram and inspection data pages. Two reference pages are also included in the report. The cover page includes the project name and address.

The project narrative is an explanation of what was found during the inspection. This includes where the samples were taken, and the results of each test. The type of substrate under the paint and the condition of the paint are explained in this summary.

The data pages include the results of each test. This includes the sample numbers, the type of test used and the results of each test. These results are given in milligrams per square centimeter (mg/cm^2). The data pages also include the condition of the paint, and the substrate surface type. The paint condition and surface types are explained in reference tables A and B.

A Niton XL-309 XRF Spectrum Analyzer was used during the inspection. This instrument measures a paint sample until a 95% confident reading of "positive" or "negative" versus the toxic level of lead which is $1.0 \text{ mg}/\text{cm}^2$ as deemed by the State of Connecticut.

The XRF is calibrated at the beginning and the end of the day's inspections or at extended delays in testing and (at least) every four hours during inspections. If at any time the instrument does not calibrate according to the standardized sample and the instrument limit of detection the instrument is taken out of service.

II. PROJECT NARRATIVE

II. PROJECT NARRATIVE

Overview

On August 28, 29 & October 2, 2001 EnviroMed Services, Inc. performed a lead inspection using a direct read spectrum analyzer for the State of Connecticut Department of Transportation, at Buildings #81-106 and #81-115 Higganum Repair Garage, located in Higganum, Connecticut. The purpose of this inspection was to identify the presence of lead on the components scheduled for renovation/demolition.

The OSHA Lead in Construction Standard 29 CFR 1926.62 deems paint to be lead containing when any detectable lead is found. The State of Connecticut Lead Regulations deem paint to be a "toxic level" when X-Ray Fluorescence Analysis (XRF) exceeds 1.0 milligrams per centimeter squared (mg/cm^2), or 0.5% by weight in dry form. (19A-111-3). The State of Connecticut Department of Environmental Protection (DEP) regulations require building materials found to contain toxic levels of lead, to be Toxicity Characteristic Leaching Procedure (TCLP) tested for waste determination prior to disposal.

Summary of Results

XRF analysis was performed utilizing the Niton - XL 309 Spectrum Analyzer. Lead containing paint was found on building components scheduled for renovation/demolition. Please refer to the XRF Data Sheets for a list of all XRF results and the Sample Location Diagram for sample locations. Toxic levels of lead were found on building components scheduled for renovation. Please refer to the XRF Toxic Level Sample Results Table for a list of toxic level XRF readings (greater than or equal to $1.0 \text{ mg}/\text{cm}^2$).

III. SAMPLE RESULTS TABLE

III. SUMMARY OF TOXIC LEVEL (≥ 1.0 mg/cm²) XRF SAMPLE RESULTS

Summary of Toxic Level (≥ 1.0 mg/cm ²) Results			
<i>Sample Number</i>	<i>Sample Location</i>	<i>Component (s) Tested</i>	<i>Results (mg/cm²)</i>
Building #81-106			
3	Bays 13-14 Second Floor	tool case floor	1.7
4	Bays 13-14 Second Floor	hand rail	2.4
5	Bays 13-14 Second Floor	door to store room	1.3
6	Bays 13-14 Second Floor	door frame to store room	2.6
7	First Floor	stair hand rail	1.0
9	First Floor	stair tread	1.0
10	First Floor	window casing	5.2
11	First Floor	window sill	8.2
12	First Floor	window mullion	10.0
14	First Floor	I-beam	1.5
21	First Floor	window casing	5.1
22	First Floor	window mullion	5.1
26	Bay #12	upper wall	2.6
27	Bay #12	lower wall	2.6
28	Bay #12	upper wall	2.9
29	Bay #12	lower wall	1.9
30	Bay #12	upper wall	2.3
31	Bay #12	door casing	5.1
32	Bay #12	door	5.1
34	Bay #12	window mullion	5.0
35	Bay #12	window casing	5.1
36	Bay #12	floor stripe	1.9
37	Bay #12	overhead crane	1.3
38	Bay #12	I-Beam crane rail	2.7
39	Bay #12	ceiling beam	4.5
40	Bay #12	ceiling	3.2
41	Bay #11 & Break Room	upper wall	1.4
42	Bay #11 & Break Room	lower wall	2.5
43	Bay #11 & Break Room	upper wall	2.6
44	Bay #11 & Break Room	lower wall	5.1
46	Bay #11 & Break Room	floor stripe	2.5
49	Bay #11 & Break Room	wall	1.9
50	Bay #11 & Break Room	door casing	1.8
51	Bay #11 & Break Room	door	1.8
53	Bay #11 & Break Room	electrical panel bench	1.4
54	Bay #11 & Break Room	electrical panel bench	1.1
55	Bay #11 & Break Room	electrical panel box	1.8
56	Bay #11 & Break Room	window sill	5.1
57	Bay #11 & Break Room	window casing	5.1
58	Bay #11 & Break Room	window mullion	5.1
59	Bay #11 & Break Room	tool bench	1.9

Summary of Toxic Level (≥ 1.0 mg/cm²) Results

<i>Sample Number</i>	<i>Sample Location</i>	<i>Component (s) Tested</i>	<i>Results (mg/cm²)</i>
65	Bay #11 & Break Room	ceiling	3.3
70	Boiler Room	back of electrical panel	4.0
71	Boiler Room	back of electrical panel	2.9
78	Boiler Room	upper wall	5.1
81	Exterior	ground door casing lintel	5.0
82	Exterior	ground door	5.0
84	Exterior	old loading deck	3.5
85	Exterior	door casing	5.0
86	Exterior	lintel	5.0
87	Exterior	fascia board at roof	1.9
91	Exterior	garage door lintel	2.9
92	Exterior	window sill	5.0
93	Exterior	window casing	5.0
94	Exterior	window mullion	5.0
96	Exterior	no parking sign	3.1
97	Exterior	no parking sign	5.1
99	Exterior	generator room window	1.2
102	Exterior	window sill above door	3.3
103	Exterior	window mullion	5.1
105	Exterior	large garage door lintel	1.8
109	Shed	shed exterior	4.2
116	Bay #10 Stores Storage	garage door casing	5.1
117	Bay #10 Stores Storage	door to Bay #11	5.1
118	Bay #10 Stores Storage	wall	5.1
119	Bay #10 Stores Storage	window casing	5.1
120	Bay #10 Stores Storage	window mullion	5.1
121	Bay #10 Stores Storage	floor stripe	5.1
122	Bay #10 Stores Storage	tire rack	3.2
125	Bay #10 Stores Storage	shelves	1.5
126	Bay #10 Stores Storage	ceiling	5.1
127	Bay #10 Stores Storage	ceiling beams	5.1
128	Bay #10 Stores Storage	handrail	3.9
129	Bay #10 Stores Storage	stair riser	3.9
130	Stores Upstairs	window sill	5.0
131	Stores Upstairs	window casing	5.1
132	Stores Upstairs	green shelves	1.9

Building #81-115

8	Test Borers	wall	5.2
10	Test Borers	window mullion	11
11	Test Borers	window mullion	2.7
12	Test Borers	baseboard	3.7
23	Office	window mullion	11
29	Ladies Room	window mullion	10
30	Ladies Room	baseboard	5.1
35	Hall #1	upper wall	3.8

Summary of Toxic Level (≥ 1.0 mg/cm²) Results

<i>Sample Number</i>	<i>Sample Location</i>	<i>Component (s) Tested</i>	<i>Results (mg/cm²)</i>
Building #81-115			
36	Hall #1	lower wall	4.5
37	Hall #1	cabinet	4.5
38	Hall #1	window casing	4.5
39	Hall #1	window mullion	2.7
40	Hall #1	wall	2.6
41	Hall #2	ceiling	4.1
43	Hall #2	floor stripe	1.8
45	Hall #2	desk in corner	3.1
46	Hall #2	lower wall	5.1
47	Hall #2	upper wall	5.0
48	Hall #2	ceiling	5.1
50	Hall #2	mens room door casing	5.0
52	Hall #2	office door casing	3.0
53	Hall #2	message board	2.9
54	Hall #2	upper wall	5.1
55	Hall #2	lower wall	2.5
57	Stores	door casing	5.1
58	Stores	door frame	1.1
59	Stores	lower wall	2.0
60	Stores	upper wall	5.1
61	Stores	window sill	5.0
62	Stores	window frame	1.1
68	Stores	window sill	5.1
69	Stores	window mullion	5.0
70	Stores Attic	riser	3.9
71	Stores Attic	step	5.0
72	Stores Attic	rail	1.3
75	Stores Attic	ceiling	5.1
76	Stores Attic	hatch	3.2
77	Stores Attic	floor	5.1
85	Stores Office	window casing	5.1
86	Stores Office	window mullion	3.1
87	Stores Office	window sill	2.8
88	Stores Office	upper wall	3.3
89	Stores Office	lower wall	3.4
95	Storage Offices	window casing	3.8
96	Storage Offices	window mullion	4.0
101	Bays #7-9	floor stripe	5.1
103	Bays #7-9	lower wall	5.1
104	Bays #7-9	work bench	5.1
105	Bays #7-9	window sill	5.1
106	Bays #7-9	window mullion	5.1
107	Bays #7-9	window casing	5.1
108	Bays #7-9	ceiling	5.1
110	Bays #7-9	exterior door casing	4.1
112	Bays #7-9	sliding door	5.1
113	Bays #7-9	sliding door stop	3.6

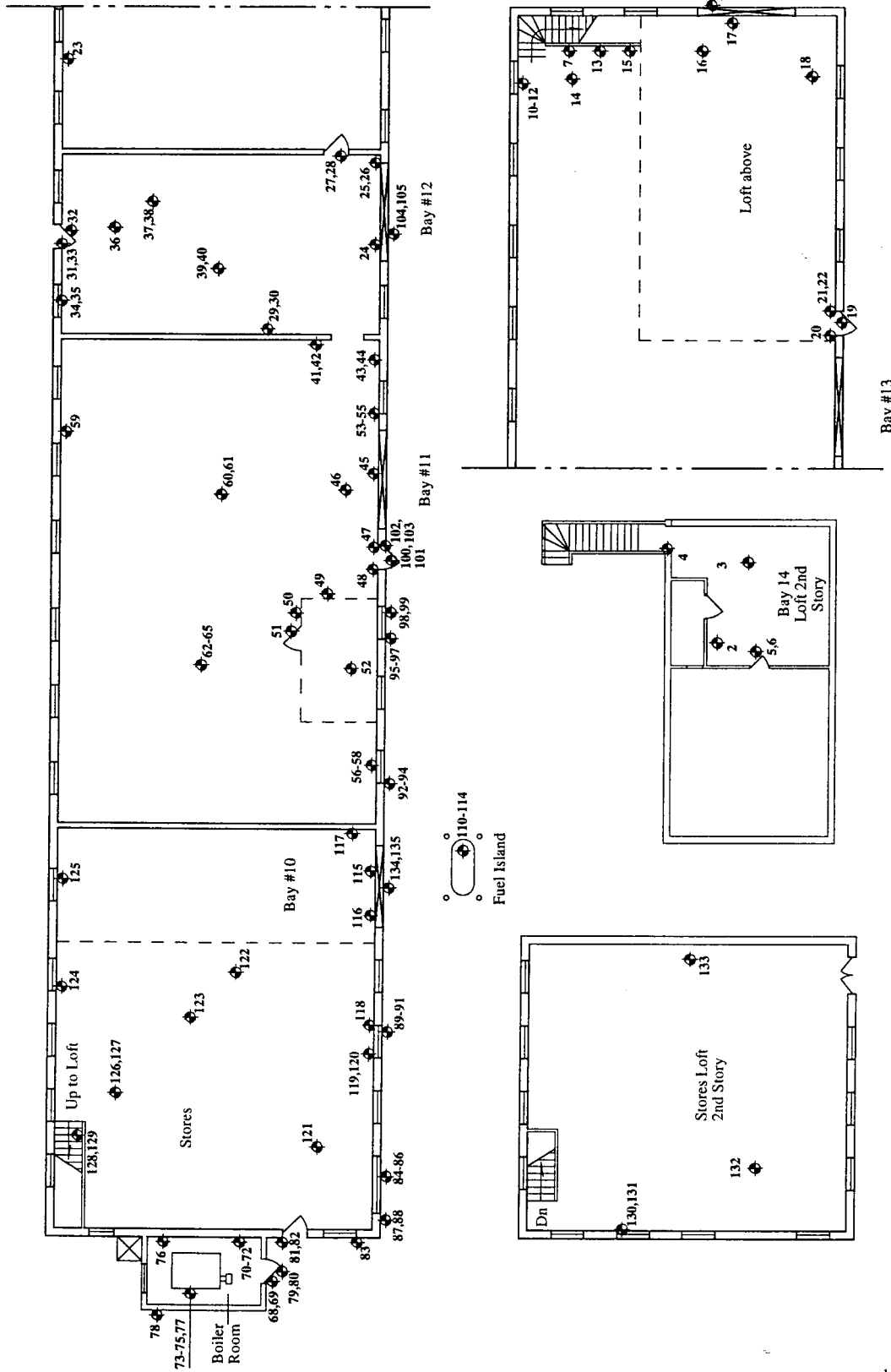
Summary of Toxic Level (≥ 1.0 mg/cm²) Results

<i>Sample Number</i>	<i>Sample Location</i>	<i>Component (s) Tested</i>	<i>Results (mg/cm²)</i>
Building #81-115			
114	Bays #7-9	sliding door rail	5.1
115	Bays #7-9	upper wall	5.1
116	Bays #7-9	lower wall	5.1
117	Bays #5-6	upper wall	9.1
118	Bays #5-6	lower wall	20
119	Bays #5-6	window casing	11
120	Bays #5-6	window sill	12
121	Bays #5-6	window mullion	15
122	Bays #5-6	floor stripe	21
123	Bays #5-6	door casing	15
127	Bays #5-6	work bench	3.2
129	Bays #5-6	bench	10
131	Bays #5-6	overhead crane	1.6
133	Bays #5-6	ceiling	6.4
134	Bays #3-4	sliding door	7.6
135	Bays #3-4	upper wall	12
136	Bays #3-4	lower wall	24
140	Bays #3-4	shelf over bench	4.7
141	Bays #3-4	window casing	17.0
142	Bays #3-4	window mullion	28.0
143	Bays #3-4	window sill	24.0
145	Bays #3-4	floor stripe	15
146	Bays #1-2	sliding door	15
147	Bays #1-2	sliding door frame	6.4
148	Bays #1-2	sliding door stop	4.4
150	Bays #1-2	lower wall	10.0
151	Bays #1-2	window casing	9.2
152	Bays #1-2	window sill	20
153	Bays #1-2	window mullion	14
154	Bays #1-2	tool bench	2.6
159	Bays #1-2	floor stripe	5.3
162	Bays #1-2	ceiling	4.5
163	Bays #1-2	ceiling beam	7.3
164	Bays #1-2	tire rack	6.5
165	Bays #1-2	foot locker	1.3
170	Boiler Room	upper wall	3.1
171	Boiler Room	lower wall	2.1
172	Boiler Room	door to shower	4.1
173	Boiler Room	door casing to shower	4.0
177	Boiler Room	sliding door to tool room	11
178	Boiler Room	sliding door stop	2.2
181	Boiler Room	window casing	5.5
182	Boiler Room	window sill	5.2
183	Boiler Room	window mullion	12.0
185	Boiler Room	upper wall	2.8
187	Boiler Room	ceiling	3.1

Summary of Toxic Level (≥ 1.0 mg/cm²) Results

<i>Sample Number</i>	<i>Sample Location</i>	<i>Component (s) Tested</i>	<i>Results (mg/cm²)</i>
Building #81-115			
188	Shower	door	5.2
189	Shower	door jamb	5.9
190	Shower	door casing	6.7
191	Shower	wall	2.9
192	Shower	ceiling	4.4
193	Shower	corner bead	2.6
201	Tool Room	window mullion	11
204	Tool Room	tool chest	3.1
208	Exterior	window casing	3.3
209	Exterior	window frame	7.3
210	Exterior	window mullion	13
212	Exterior	door casing	6.7
213	Exterior	door	8.2
214	Exterior	window mullion	2.5
215	Exterior	window frame	2.6
217	Exterior	overhead door lintel	10
219	Exterior	door casing	2.1
220	Exterior	stripe on ground	3.6
222	Exterior	trim at roof	20
224	Exterior	stair treads	1.8
227	Exterior	paint by door casing	2.4
229	Exterior Roof Top	window casing	5.1
230	Exterior Roof Top	end siding	5.2

IV. SAMPLE LOCATION DIAGRAMS



Drawing Title: Lead Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 8/28/2001
Project: Higginum DOT Repair Garage Blg #81-106 - Floor Plan Higginum, Connecticut	Scale: N.T.S.
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	Drawn By: DER Approved By: T.B. Drawing No. 1



Legend :
 ♦ = Sample Number & Location

V. REFERENCE TABLE (S)

Lead Inspection Reference Table

B - Bulkhead	RD - Radiator
BB - Baseboard	RLC - Railing Cap
CAB - Cabinet	S - Siding
CL - Ceiling	SB - Stair Baluster
CM - Crown Molding	SBB - Stair Baseboard
CR - Chair Rail	SF - Shelf
CW - Cellar Window	SFS - Shelf Support
DC - Door Casing	SR - Stair Riser
DH - Door Header(Lintel)	SRC - Stair Rail Cap
DJ - Door Jamb	SS - Stair Stringer
DR - Door	ST - Stair Tread
EC - Entrance Canopy	SWL - Stair Walls
ECCL - Entrance Canopy Ceiling	T - Trim
EDR - Exterior Door	UW - Upper Wall
EWL - Exterior Wall	WA - Window Apron
F - Foundation	WC - Window Casing
FL - Floor	WD - Window
FP - Fireplace	WES - Window Exterior Sill
KB - Kickboard	WH - Window Header (Lintel)
L - Lattice	WL - Wall
LW - Lower Wall	WM - Window Mullion
NP - Stair Newel Post	WSH - Window Sash
P - Porch	WSL - Window Sill
PCL - Porch Ceiling	WSP - Window Stop
	WW - Window Well

Note: Addition of the letter “E” prior to any component abbreviation will designate that component as an exterior surface (e.g. EWC = Exterior Window Casing)

**Lead Inspection
Reference Table B
Substrate Type**

W - Wood

Pl - Plaster

M - Metal

Br - Brick

C - Concrete

Sh - Sheetrock/Drywall

**Lead Inspection
Reference Table B
Surface Condition**

0 - No painted windows/woodwork.

1 - All paint on windows/woodwork is intact.

2. - Some paint on windows/woodwork is peeling, cracking or flaking.

3. - Large amounts of paint on windows/woodwork is peeling, cracking, or flaking.

VI. XRF DATA SHEETS

LEAD INSPECTION DATA PAGE

PROJECT NAME Hingham Repair Garage

NO. DOORS

UNIT NUMBER: Bldg # 81-106

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	1.0	Test 1.0	Cuse	—	—
13+14 2	0.02	1 st FL Tool Case WL	Wood	green	
3	1.7	2 nd FL FL	Wood	green	Pos (2)
4	2.4	2 nd FL Hand Rail	Wood	green	Pos (1)
5	1.3	Door to Spare Room	Wood	gray	Pos (1)
6	2.6	Door Frame To Spare Room	Wood	gray	Pos (1)
7	1.0	Stair Hand Rail	Wood	green	Pos (1)
8	0.9	Stair Rizer	wood	green	—
9	1.0	Stair Tread	wood	green	Pos (1)
10	5.2	WC	wood	gray	Pos (2)
11	8.2	WC	wood	gray	Pos (3)
12	10.0	WC	wood	gray	Pos (4)
13	0.23	Under Stair Storage Pl. wood		gray	
14	1.5	Back B. Shers	L. Beam	gray/orange	+
15	0.12	DR, to Stair Storage	Pl. wood	gray	
16	0.01	FL	Conc	gray	
17	0.05	garage DR	Sheet Metal	White	
18	0.01	Stair / FL	Conc	yellow	
19	0.00	DR	wood	Brown	
20	0.00	DL	Wood	Brown	

LEAD INSPECTION DATA PAGE

PROJECT NAME: Hingham Repair Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81-106

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
21	5.1	WC Above Door to	Ext. wood	gray	Pos (1)
22	5.1	WM Above Door to	Ext. wood	gray	Pos (1)
23	0.42	Fuel Storage Locker	Metal	gray	
24	0.05	DR Garage	Metal	white	
25	0.48	LWL	Brick	gray	
26	2.6	uWL	Brick	white	Pos (1)
27					
28					
29	1.9	LWL	Fiberboard	gray	Pos (1)
30	2.3	uWL	Fiberboard	white	Pos (1)
31	5.1	DR	Wood	gray/white	Pos (2)
32	5.1	DR	Wood	gray	Pos (2)
33	0.9	Wood Tool Box	Tool Box wood	green	
34	5.0	WM	Wood	gray	Pos (2)
35	5.1	WC	Wood	gray	Pos (2)
36	1.9	st-ipo, FL	Conc	yellow	Pos (2)
37	1.3	O.H. Crane	Metal	yellow	Pos (2)
38	2.7	I-Beam Crane Rail	Metal	green	Pos (1)
39	4.5	Ceiling Beam	wood	white	Pos (1)
40	2.7				

LEAD INSPECTION DATA PAGE

PROJECT NAME Hingham Repa. - Garage

NO. DOORS

UNIT NUMBER: Bldg # 81 - 106

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
^{H.L. Area} 21 41	1.4	UWL	wood	white	Pos (1)
22 42	2.5	LWL	wood	gray	Pos (1)
23 43	2.6	UWL	Brick	white	Pos (1)
24 44	5.1	LWL	Brick	gray	Pos (1)
45	0.05	garage Door	Metal	white	
46	2.5	stair, PL	Conc.	yellow	Pos (1)
47	0.02	DR DR	Metal	Brown	
48	0.00	DC	Wood	Brown	
49	1.9	WL to gen.	Wood	gray	Pos (1)
50	1.8	DR to gen.	Wood	gray	Pos (1)
51	1.8	DR to Gen. Generator	Wood	gray	Pos (1)
52	0.04	Generator	Metal	green	
53	1.4	Electric Panel Back	wood	white	Pos (1)
54	1.1	Electric Panel Back	wood	gray	Pos (1)
55	1.8	Electric Panel Box	Metal	gray	Pos (1)
56	5.1	WGL	Conc	gray	Pos (1)
57	5.1	WL	wood	gray	Pos (1)
58	5.1	WM	wood	gray	Pos (1)
59	1.9	stripping tool bench	Conc	gray yellow	Pos (2)
60	0.02	L.H. Bed.	Metal	Red	

LEAD INSPECTION DATA PAGE

PROJECT NAME Hingham Regn. Garage

NO. DOORS

UNIT NUMBER: Bldg # 81-106

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
^{All samples from conf.} 61	0.02	L. ft. yellow	Metal	Yellow	
62	0.49	O. H. Conc. Along	Red		
63	0.05	Rail	Red		
64	0.05	Beam	wood	Stn.	
65	3.3	CL	Fiberboard	White	—
66	—	Base	Conc.	—	Pos
67	1.1	Base	Conc.	—	Pos
68	0.5	DR			
69	0.03	DC			
70	4.0	Back of Elec. Panel	Wood	Black	Pos (1)
71	2.9	Back of Elec. Panel	Wood	Gray	Pos (2)
72	0.02	Elec. Breaker	Metal	Gray	
73	0.06	Boiler	Metal	Gray	
74	0.05	Boiler Breaching	Sheet Metal	Gray/Slat	
75	0.05	Boiler Breaching	Insulation	White	
76	0.42	LWL	Conc.	Silver	
77	0.05	Boiler	Insulation	White	
78	5.1	uwl	Brick	White	Pos (3)
^{1st floor} 79	2.9	B.R. Rail DR	Metal	Brown	
80	—	B.R. Rail	—	—	—

LEAD INSPECTION DATA PAGE

PROJECT NAME: Hingham Reg. Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81-126

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
81	>5.0	ground DC/Lintel	Wood	Brown	Pos (2)
82	>5.0	ground DR	Wood	Brown	Pos (2)
83	- 0.05	Boarded Window	Ply Wood	Brown	No Access to Window
84	3.5	old Loading Dock, Double Doors	Wood	Brown	Pos (1)
85	>5.0	DC	Wood	Brown	Pos. (2)
86	>5.0	Lintel	Wood	Brown	Pos. (2)
87	1.9	Facia Board at Roof		Brown	Pos (2)
88	0.05	Rain Gutter	Sheet Metal	Brown	
89	0.05	string/ground	Pavement	yellow	
90	0.05	garage door	Metal	Brown	
91	2.9	garage door Lintel/Casing	Metal	Brown	Pos (2)
92	>5.0	WSL Ext.	Wood	Brown	Pos (2)
93	>5.0	WC, Ext.	Wood	Brown	Pos (2)
94	>5.0	W/M, Ext.	Wood	Brown	Pos (2)
95	0.05	Rain Downspout	Metal	Brown	Neg.
96	2.1	No Parking Sign	Wood	white	Pos (3)
97	5.1	No Parking Sign	Wood	Red.	Pos (3)
98	0.05	Foundation	Marble	green	
99	1.2	Gen Room window	Plywood	Brown	Pos (1)
100	- not	Rain Box			

LEAD INSPECTION DATA PAGE

PROJECT NAME Higuanam Repn - Garage

NO. DOORS

UNIT NUMBER: Bldg # 81-106

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
101	0.10	DC	wood	Brown	
102	3.3	USL Above Door	wood	Brown	Pos (3)
103	5.1	W 117 Above Door	wood	Brown	Pos (3)
104	0.05	Large Garage Door DR	metal	Brown	
105	1.8	Large Garage Door Link	metal	Brown	Pos (2)
106	0.00	Garage DR	wood	white	
107	0.00	Garage DC	wood	white	
108	0.00	Ext.	wood	gray	
109	4.2	- Sheel Ext.	wood	gray	Bldg # 94-0.4 Pos (2)
110	0.05	Lolly Column	Metal/conc.	yellow	
111	0.05	Curb,	Metal/conc.	yellow	
112	0.05	Unlabeled Pipe	metal	Red	
113	0.05	Diesel Pump	metal	yellow	
114	0.05	Fuel Master	metal	white	
115	0.04	Garage Door	metal	White	
116	5.1	Garage Door Casing	Wood	gray	Pos (2)
117	5.1	Door to Bay #11	Wood	gray	Pos (2)
118	5.1	WL	Brick	Tan	Pos (3)
119	5.1	WL	Wood	Tan	Pos (2)
120	5.1	W M	1 inch	tan	Pos (2)

LEAD INSPECTION DATA PAGE

PROJECT NAME Higuanum Repair Garage

NO. DOORS

UNIT NUMBER: Bldg # 81-106

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
121	5.1	Stripe / FL	Conc	yellow	Pos (21)
122	3.2	Fire Rack	Metal Pipe	Tan	Pos (2)
123	0.09	Shelfs	Metal	green	
124	0.26	Table BP	Wood	gray	
125	1.5	Shelfs	wood	gray	Pos (1)
126	5.1	CL	Wood	white	Pos (1)
127	5.1	CL Beams	wood	white	Pos (1)
128	3.9	Handrail	Wood	gray	Pos (1)
129	3.9	Stair Riser	Wood	gray	Pos (1)
130	WC 5.0	WC	Wood	Dark Gray	Pos (1)
131	WC 5.1	WC	Wood	Dark Gray	Pos (1)
132	green 1.9 Shelfs	green shelfs	Wood	Green	Pos (1)
133	T&G-0.1	light green shelf	Wood	Green	
134	0.01	Bay Doors	wood	Gray	
135	0.07	Bay Door Casings	Wood	gray	
136					
137					
138					
139					
140					

LEAD INSPECTION DATA PAGE

PROJECT NAME: Hydramin Repair Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81-115

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	1.0	Test	Conc.		
2	1.0	Test	Conc.		
3	0.05	WL	Brick Brick	green	
4	0.44	Lintel	wood	green	
5	0.19	shelf	wood	green	
6	0.23	DR	wood	Tan	
7	0.34	DC	wood	Tan	
8	5.2	WL	Conc. Conc.	Tan	Pos (1)
9	0.40	WSL	wood	Tan	
10	11	WM	wood	Tan	Pos (2)
11	2.7	W.M.	wood	Tan	Pos (2)
12	3.7	BB BB	Rubber	Unpainted Brown	Pos (0)
13	0.72	DR	wood	Tan	
14	0.00	DC	wood	Tan	
15	0.26	Rand.	metal	silver	
16	0.34	DR	wood	Tan	
17	0.02	UWL	Sheetrock	Tan, Light	
18	0.00	LWL	Sheetrock	Tan	
19	0.6	BB	Sheetrock Rubber	Brown	
20	0.00	FL	Tile	Tan Unpainted	

LEAD INSPECTION DATA PAGE

PROJECT NAME: Hydramin Repair Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81-115

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
21	0.32	Rad.	Metal	Silver	
22	0.36	WC	Wood	Tan	
23	11	WM	Wood	Tan	Pos (2)
24	0.13	CL	Fiber board	White	
25	0.15	DR	Wood	Tan	
26	0.05	DC	Wood	Tan	
27	0.00	WL	Sheetrock	Tan	
28	0.23	WSL	Wood	Tan	
29	10.	WM	Wood	Tan	Pos (2)
30	5.1	BB	Rubber	Brown, Unpainted	Pos (0)
31	-0.4	FL	Tile	Unpainted	
32	0.31	Rad.	Metal	Silver	
33	0.05	Ex. DR	Metal	Brown	
34	0.05	Ex DC	Metal	Brown	
35	3.8	UWL	Brick	White	Pos. (1)
36	4.5	LWL	Brick	Gray	+
37	4.5	Cabinet	Wood	Gray	Pos. L. Shell only (1)
38	5.0	WC	Wood	White	Pos (L. Shell only) (1)
39	2.7	WM	Wood	White	Pos (1)
40	2.6	WL	Wood	White	Pos (1)

LEAD INSPECTION DATA PAGE

PROJECT NAME Hydraman Repair GarageNO. DOORS UNIT NUMBER: Bldg # 81-115NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
41	4.1	CL	Wood	white	Pos (1)
42	0.04	FL	Conc	gray	
43	1.8	striae on FL	Conc	yellow	Pos (1)
44	0.04	Lockers	Metal	gray	
45	5.1	Desk in corner	Wood	gray	Pos (2)
46	5.1	LWL	Wood	gray	Pos (1)
47	>5.0	UWL	Fiberboard	white	Pos (1)
48	5.1	CL	Fiberboard	white	Pos (1)
49	0.5	Mens Rm Door	Wood	gray	Pos
50	>5.0	Mens Rm DC	Wood	gray	Pos (2)
51	0.05		Wood	gray	
52	3.0		Wood	gray	Pos (1)
53	2.9	Message board	Fiberboard	gray	Pos (1)
54	5.1	UWL	Fiberboard	white	Pos (1)
55	2.5	LWL	Fiberboard	gray	Pos (1)
56	0.1	DR	Wood	gray	
57	5.1	DC	wood	white	Pos (1)
58	1.1	D. Frame	Wood	white	Pos (1)
59	2.0	LWL	wood	white	Pos (1)
60	5.1	FL UWL	Fiberboard	white	Pos (1)

LEAD INSPECTION DATA PAGE

PROJECT NAME Hydraman Repair GarageNO. DOORS UNIT NUMBER: Bldg # 81-115NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
61	25.0	WSL	wood	gray	Pos (2 shelf) (2)
62	1.1	W Frame	wood		Pos (1)
63	0.05	Sash	wood		
64	0.05	DR ^{To} garage	Metal		
65	0.05	DC ^{To} garage	Metal		
66	0.17	shelf.	wood green	green	
67	0.05	shelf.	wood gray	green	
68	5.1	WSL	wood gray	gray	Pos (1)
69	25.0	WM	wood gray	gray	Pos (1)
70	3.9	Riser	wood yellow	gray	Pos (1)
71	25.0 6.05	Step	wood gray	gray	Pos (1)
72	1.3	Rail	wood gray	gray	Pos (1)
73	0.7	WL	Birch	white	
74	0.05	shelf	Wood	gray	
75	5.1	CL	Fiberboard	white	Pos (1)
76	3.2	Hatch	wood	white	Pos (1)
77	5.1	FL	Conc.	Gray	Pos (1)
78	0.00	DR	wood	Stain	
79	0.01	DC	Wood	Stain	
80	0.00	uWL	Fiberboard	white	

LEAD INSPECTION DATA PAGE

PROJECT NAME Hydraman Repair GarageNO. DOORS UNIT NUMBER: Bldg # 81-115NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
81	0.01	char Rail	wood	Stain	
82	0.00	FL	Tile	unpainted	
83	0.7	CL	Tile ^{2x4}	White	
84	0.45	CL	Sheetrock	White	
85	5.1	WC	wd	green	Pos (1)
86	3.1	WPM	wd	green	Pos (1)
87	2.9	WSL	wcl	green	Pos (1)
88	3.3	uWL	Brick	Tan	Pos (1)
89	3.4	LWL	Brick	Dark Green Tan	Pos (1)
90	0.05	uWL	Fiberboard	White	
91	0.05	Chair	wd	White	
92	0.05	LWL	Wood Panel	White	
93	0.05	wL	Sheetrock	White	
94	0.05	CL	Ceramic Tile	White	
95	3.8	WC	wood	Brown	Pos (2)
96	4.0	WPM	Wood	Brown	Pos (2)
97	-0.1	DR	Metal	Gray	
98	0.03	DL	Metal	Gray	
99	0.15	uWL	White ^{Sheetrock}	White	
100	0.02	LWL	Gray ⁿ	Gray	

LEAD INSPECTION DATA PAGE

PROJECT NAME: Philadelphia Regional Center

NO. DOORS: _____

UNIT NUMBER: Bldg # 81 - 115

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
101	5.1	stripe, FL	Conc	yellow	Pos (2)
102	0.14	LWL	Brick	white	
103	5.1	LWL	Brick	gray	Pos (1)
104	5.1	Work Bench	Wood	gray	Pos (2)
105	5.1	WSL	Wood	gray	Pos (2)
106	5.1	WM	Wood	gray	Pos (1)
107	5.1	WC	Wood	gray	Pos (1)
108	5.1	CL	Fiberboard	white	Pos (1)
109	0.05	Garage Door	Sheet Metal	white	
110	4.1	Ext. Door - PC	Wood	Brown	Pos (1)
111	0.2	Ext. Door DR	Wood	Brown	
112	5.1	Sliding Door	Metal	Gray	Pos (2)
113	3.6	Sliding Door Shop	Metal	Gray	Pos (2)
114	5.1	Sliding Door Rail	Metal	Gray	
115	5.1	Brick	UWL Brick	white	Pos. Bay #2 (2)
116	5.1	Brick	UWL Brick	Gray	Pos (2)
117	4.1	Brick	UWL Brick	White	Pos (2)
118	20	Brick	UWL Brick	gray	Pos (2)
119	11	WC	Wood	gray	Pos 1
120	12	WSL	Wood	gray	Pos (3)

LEAD INSPECTION DATA PAGE

PROJECT NAME Higuanum Repa - GarageNO. DOORS UNIT NUMBER: Bldg # 81 - ~~108~~ 115NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
121	21.15	Strip FL WM	Conc Wood	gray yellow	Pos (2)
122	21	Strip FL	Conc.	yellow	Pos (2)
123	15	DL	Wood	Brown	+
124	0.1	DR	Wood	Brown	Pos (1)
125	0.02	garage Door	sheet Metal	White	
126	0.06	lockers	metal	gray	
127	3.2	Work Bench w/vise	Wood	gray	Pos (1)
128	0.7	Wood Storage	Wood	green	
129	10	Bench w/vise	Metal Pipe	gray	Pos (1)
130	0.00	Elec Panel Wood Bench	Wood	Black	
131	0.6/1.6	OH Crane	Metal	yellow	Pos (2)
132	0.6/0.7	OH Crane Rail	I-Beam	white/Red.	
133	6.4	CL	Fiberboard	White	Pos (1)
134	7.6	Sliding Door	Tin Metal	gray	Pos (1)
135	12	UWL	Brick	White	Pos (1)
136	24	LWL	Brick	gray	Pos (1)
137	0.02	garage door	Sheet Metal	White	
138	0.8	Work Bench	Metal	gray	
139	0.16	Work Bench	Wood	gray	
140	4.7	Shelf over Bench	Wood	gray	Pos (1)

LEAD INSPECTION DATA PAGE

PROJECT NAME: Higuanum Regn - Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81 - TBS 115

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
^{cont.} 141	17.0	WC	Wood	gray	Pos (2)
142	28.0	WM	Wood	gray	Pos (2)
143	24.0	WSL	Wood	gray	Pos (3)
144	0.04	garage Door	sheet metal	white	
145	15	Stripe, FL	Conc	yellow	Pos (2)
¹⁴⁶ 146	15	sliding Door	Tin Metal	gray	Pos (1)
147	6.4	Sliding Door Frame	Steel	gray	Pos (1)
148	4.4	Sliding Door Shop	Steel	gray	Pos (2)
149	0.02	UWL	Brick	white	
150	10.0	LWL	Brick	gray	Pos (1)
151	9.2	WC	wood	gray	Pos (1)
152	20	WSL	Wood	gray	Pos (2)
153	14	WM	Wood	gray	Pos (2)
154	2.6	Door Bench	Metal Pipe	gray	Pos (2)
155	0.02	water T. k	Metal	Blue	
156	0.00	T. R	Metal	Brown	
157	0.01	DC	Metal	Brown	
158	0.06	DF	Wood	Brown	
159	5.3	Stripe, FL	Conc	yellow	Pos (2)
160	0.07	Lockers	Metal	gray	

LEAD INSPECTION DATA PAGE

PROJECT NAME: Higuanum Regn - Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81 - ~~115~~ 115

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
^{S cont.} 161	0.03	Garage Door	Metal	white	
162	4.5	CL	Wood	white	Pos (1)
163	7.3	CL Beam	Wood	white	Pos (1)
164	6.5	Tire Rack	Metal Pipe	Black	Pos (2)
165	1.3	Foot Locker	Wood	gray	Pos (2)
^M 166	0.00	DR ^{Metal} Ent	Metal	gray	
167	0.14	DL ^{Metal} Ent	Metal	gray	
168	0.09	Panel Behind Telco	Wood	Black	
169	0.11	Breaker Box	Metal	gray	
170	0.31	UWL	Brick	Tan	Pos (3)
171	2.1	LWL	Brick	Gray	Pos (2)
172	4.1	DR ^{To} Shower	Wood	Gray	Pos (1)
173	4.0	DL ^{To} Shower	Wood	Gray	Pos (1)
174	0.7	DL ^{To} Tool Room	Wood	Gray	
175	0.00	DR ^{To} Tool Room	Wood	Gray	
176	0.01	DJ ^{To} Tool Room	Wood	Gray	
177	11	Sliding Dr to Tool Room ^{Tin}	Metal	Gray	Pos (1)
178	2.2	Sliding Dr to Shop ^{Steel}	Metal	Gray	Pos (2)
179	0.01	Weather Pressure Tank	Metal	Gray	
180	0.1	H.W. Heater	Metal	Gray	

All Neg.

LEAD INSPECTION DATA PAGE

PROJECT NAME Higginum Repair Garage

NO. DOORS

UNIT NUMBER: Bldg # 81- 115

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
Boiler Room 180	5.5	WC	Wood	Gray	Pos (1)
182	5.2	WSL	Wood	Gray	Pos (3)
183	12.0	WM	Wood	Gray	Pos (2)
184	0.04	Boiler	Metal	Gray	
185	3.8 0.07	UWL	wood/sheetrock	White	Pos (1)
186	3.8 0.07	LWL	wood/sheetrock	gray	
187	3.1	CL	Corr. Metal	white/tan	+
188	5.2	DR	Wood	Gray	Pos (1)
189	5.9	DJ	Wood	Gray	Pos (1)
+8990	6.7	DC	Wood	Gray	Pos (1)
190	2.9	WL	Brick	green	Pos (1)
192	4.4	CL	Plywood	white	Pos (1)
192	2.6	Corner Bead	Plywood	White	Pos (1)
194	0.00	DR	Wood	gray	
194	0.01	DC	Wood	gray	
196	0.25	UWL	1/4" Plywood	Light Green	
197	0.27	LWL	1/4" Plywood	Green	
198	0.02	CL	Plywood	Tan	
198	0.35	WSL	Plywood	Green	
200	0.31	WC	wood	Green	

LEAD INSPECTION DATA PAGE

PROJECT NAME: Higyanum Repair Garage

NO. DOORS: _____

UNIT NUMBER: Bldg # 81-115

NO. WINDOWS: _____

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
^{Cont.} 201	11 11	WM.	Wood	Light Green	Pos (2)
202	0.26	Radi.	Metal	gray	
203	0.01	Tool Rack	Wood	gray	
204	3.1	Tool Chest	Wood	green	Pos (2)
205	0.04	Cabinet	^{sheet} Metal	Tan	
206	0.22	Interior WM	wood	Light Green	
207	0.01	File Cabinet	W Metal	Light Tan	
^{terior} 208	3.3	WC (9'x3')	Wood	Brown	Pos (3)
209	7.3	w F.	Wood	Brown	Pos (3)
210	13	WM.	Wood	Brown	Pos (3)
211	0.00	Bein Gitter Down Spout	Metal	Brown	
212	6.7	DC ^{by Test Boring}	Wd	Brown	Pos (1)
213	8.2	DR	Wood	Brown	Pos (1)
214	2.5	W ^(6'x3') Bath.	Wood	Brown	Pos
215	2.6	WP	Wood	Brown	Pos
216	0.10	O.H. Door	Metal	Brown	
217	10	O.H. Door Lintel	Metal	Brown	Pos (2)
218	0.0	DR ^{by #319}	Wood	Brown	
219	2.1	DC "	Wood	Brown	Pos (2)
220	3.6	Striae, ground	Pavement	Yellow	Pos (2)

Appendix G

Ash Waste Characterization Laboratory Reports and Chain of Custody Form



Tuesday, November 28, 2017

Attn: Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: FORMER SCOVILL HOE MILL
Sample ID#s: BZ44900 - BZ44901

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 #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
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 28, 2017

FOR: Attn: Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

10:00
18:32

Laboratory Data

SDG ID: GBZ44900
Phoenix ID: BZ44900

Project ID: FORMER SCOVILL HOE MILL
Client ID: 111417-SV-BA01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Arsenic	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Barium	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Cadmium	< 0.050	0.050	mg/L	1	11/22/17	MA	SW6010C
TCLP Chromium	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	11/22/17	RS	SW7470A
TCLP Lead	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Selenium	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Metals Digestion	Completed				11/22/17	W/W	SW3005A
TCLP Digestion Mercury	Completed				11/22/17	W/W	SW7470A
TCLP Extraction for Metals	Completed				11/21/17	W	SW1311

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

Comments:

TCLP Non-Volatile Extraction:

Sample weight was < 100 grams (the minimum requirement of the method to insure homogeneity).

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

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

Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

FOR: Attn: Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&OENVIR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: DL
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
11/14/17	10:30
11/20/17	18:32

Laboratory Data

SDG ID: GBZ44900
Phoenix ID: BZ44901

Project ID: FORMER SCOVILL HOE MILL
Client ID: 111417-SV-BA02

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Arsenic	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Barium	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Cadmium	< 0.050	0.050	mg/L	1	11/22/17	MA	SW6010C
TCLP Chromium	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	11/22/17	RS	SW7470A
TCLP Lead	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Selenium	< 0.10	0.10	mg/L	1	11/22/17	MA	SW6010C
TCLP Metals Digestion	Completed				11/22/17	W/W	SW3005A
TCLP Digestion Mercury	Completed				11/22/17	W/W	SW7470A
TCLP Extraction for Metals	Completed				11/21/17	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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

QA/QC Data

SDG I.D.: GBZ44900

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 410578 (mg/L), QC Sample No: BZ45148 (BZ44900, BZ44901)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.01	<0.01	<0.01	NC	111			110			75 - 125	20
Barium	BRL	0.01	0.28	0.28	0	101			101			75 - 125	20
Cadmium	BRL	0.005	<0.005	<0.005	NC	106			106			75 - 125	20
Chromium	BRL	0.010	0.014	0.014	NC	105			105			75 - 125	20
Lead	BRL	0.010	0.021	0.020	NC	113			113			75 - 125	20
Selenium	BRL	0.01	<0.01	<0.01	NC	117			117			75 - 125	20
Silver	BRL	0.010	<0.010	<0.010	NC	114			115			75 - 125	20

QA/QC Batch 410569 (mg/L), QC Sample No: BZ45158 (BZ44900, BZ44901)

Mercury - Water	BRL	0.0002	0.0540	0.0524	3.00	99.3			>130			80 - 120	20 m
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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 28, 2017

Tuesday, November 28, 2017

Sample Criteria Exceedances Report
GBZ44900 - FOENVIR

Criteria: None
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	-------------------

*** No Data to Display ***

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: FORMER SCOVILL HOE MILL

Project Number:

Laboratory Sample ID(s): BZ44900, BZ44901

Sampling Date(s): 11/14/2017

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 7470/7471

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 28, 2017

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 28, 2017

SDG I.D.: GBZ44900

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only the RCRA 8 Metals are reported as requested on the chain of custody.

Temperature above 6C:

No significant bias is suspected.

Mercury Narration

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

Instrument:

MERLIN 11/22/17 08:01

Rick Schweitzer, Chemist 11/22/17

BZ44900, BZ44901

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.

The initial calibration met all criteria including a standard run at or below the reporting level.

All calibration verification standards (ICV, CCV) met criteria.

All calibration blank verification standards (ICB, CCB) met criteria.

The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

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

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

QC (Batch Specific):

Batch 410569 (BZ45158)

BZ44900, BZ44901

All LCS recoveries were within 80 - 120 with the following exceptions: None.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

ICP Metals Narration

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

Instrument:

ARCOS 11/22/17 09:23

Mike Arsenault, Chemist 11/22/17

BZ44900, BZ44901

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). 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):



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



Certification Report

November 28, 2017

SDG I.D.: GBZ44900

ICP Metals Narration

Batch 410578 (BZ45148)

BZ44900, BZ44901

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

Temperature Narration

The samples were received at 2.3C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Appendix H

PCB Laboratory Reports and Chain of Custody Forms



Tuesday, November 28, 2017

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

Project ID: FORMER SCOVIL HOE MILL
Sample ID#s: BZ44868 - BZ44899

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

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

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

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

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

Sincerely yours,

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

Phyllis/Shiller
Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44868

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-04A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	98	%	5	11/22/17	AW	30 - 150 %
% TCMX	66	%	5	11/22/17	AW	30 - 150 %

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

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

Comments:

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

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

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

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44869

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-04B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	86	%	5	11/22/17	AW	30 - 150 %
% TCMX	74	%	5	11/22/17	AW	30 - 150 %

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

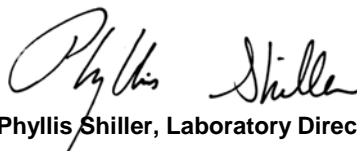
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date Time

11/14/17
11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44870

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-04C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	88	%	5	11/22/17	AW	30 - 150 %
% TCMX	78	%	5	11/22/17	AW	30 - 150 %

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

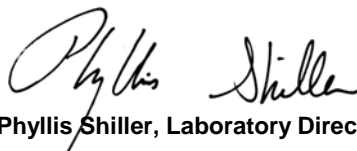
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44871

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-05A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	89	%	5	11/22/17	AW	30 - 150 %
% TCMX	74	%	5	11/22/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44872

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-05B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	99	%	5	11/22/17	AW	30 - 150 %
% TCMX	89	%	5	11/22/17	AW	30 - 150 %

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

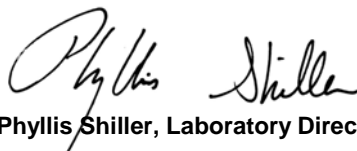
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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44873

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-05C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	93	%	5	11/22/17	AW	30 - 150 %
% TCMX	81	%	5	11/22/17	AW	30 - 150 %

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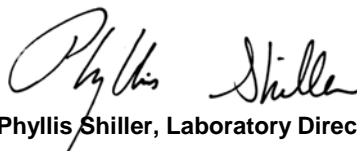
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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44874

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-06A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1221	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1232	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1242	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1248	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1254	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1260	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1262	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A
PCB-1268	ND	0.49	mg/kg	2	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	48	%	2	11/22/17	AW	30 - 150 %
% TCMX	44	%	2	11/22/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44875

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-06B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	72	%	5	11/22/17	AW	30 - 150 %
% TCMX	64	%	5	11/22/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44876

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-06C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	2	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	61	%	2	11/22/17	AW	30 - 150 %
% TCMX	56	%	2	11/22/17	AW	30 - 150 %

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

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

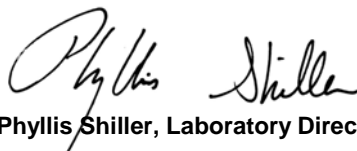
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44877

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-07A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	83	%	5	11/22/17	AW	30 - 150 %
% TCMX	71	%	5	11/22/17	AW	30 - 150 %

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

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date Time

11/14/17
11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44878

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-07B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.72	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	95	%	5	11/22/17	AW	30 - 150 %
% TCMX	81	%	5	11/22/17	AW	30 - 150 %

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

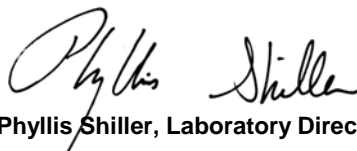
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44879

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-08A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.73	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	89	%	5	11/22/17	AW	30 - 150 %
% TCMX	76	%	5	11/22/17	AW	30 - 150 %

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

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

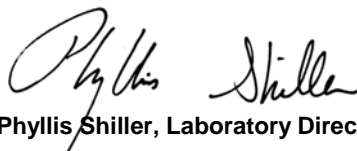
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44880

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-08B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	91	%	5	11/22/17	AW	30 - 150 %
% TCMX	80	%	5	11/22/17	AW	30 - 150 %

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

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44881

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-08C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1221	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1232	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1242	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1248	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1254	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1260	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1262	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A
PCB-1268	ND	0.48	mg/kg	2	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	55	%	2	11/22/17	AW	30 - 150 %
% TCMX	52	%	2	11/22/17	AW	30 - 150 %

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

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44882

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-09C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1221	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1232	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1242	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1248	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1254	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1260	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1262	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A
PCB-1268	ND	0.86	mg/kg	2	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	76	%	2	11/22/17	AW	30 - 150 %
% TCMX	61	%	2	11/22/17	AW	30 - 150 %

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

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44883

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-44A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1221	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1232	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1242	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1248	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1254	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1260	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1262	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A
PCB-1268	ND	0.97	mg/kg	2	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	59	%	2	11/22/17	AW	30 - 150 %
% TCMX	46	%	2	11/22/17	AW	30 - 150 %

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

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44884

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-45A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	1.2	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.78	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	80	%	5	11/22/17	AW	30 - 150 %
% TCMX	68	%	5	11/22/17	AW	30 - 150 %

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

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QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

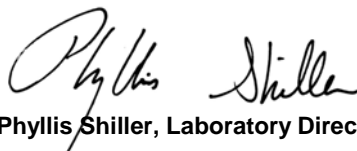
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44885

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-45B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	0.97	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	69	%	5	11/22/17	AW	30 - 150 %
% TCMX	60	%	5	11/22/17	AW	30 - 150 %

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

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

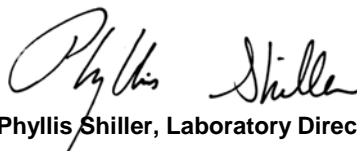
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44886

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-45C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	X/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.76	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	76	%	5	11/22/17	AW	30 - 150 %
% TCMX	67	%	5	11/22/17	AW	30 - 150 %

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

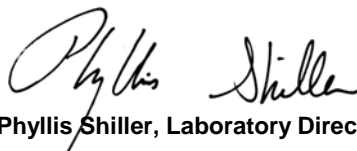
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44887

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-16A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	113	%	5	11/23/17	AW	30 - 150 %
% TCMX	89	%	5	11/23/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44888

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-16B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	92	%	5	11/23/17	AW	30 - 150 %
% TCMX	66	%	5	11/23/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

11/20/17 18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44889

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-16C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.78	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	97	%	5	11/23/17	AW	30 - 150 %
% TCMX	73	%	5	11/23/17	AW	30 - 150 %

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

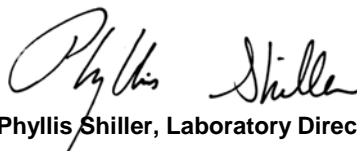
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44890

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-17A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	101	%	5	11/23/17	AW	30 - 150 %
% TCMX	84	%	5	11/23/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44891

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-17B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.74	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	75	%	5	11/23/17	AW	30 - 150 %
% TCMX	67	%	5	11/23/17	AW	30 - 150 %

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

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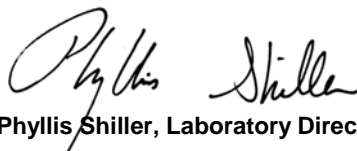
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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44892

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-17C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	87	%	5	11/22/17	AW	30 - 150 %
% TCMX	64	%	5	11/22/17	AW	30 - 150 %

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

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QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

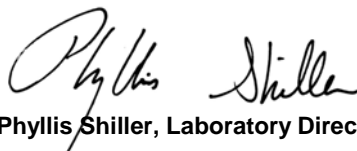
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Phyllis Shiller, Laboratory Director

November 28, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

November 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44893

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-18A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	81	%	5	11/22/17	AW	30 - 150 %
% TCMX	49	%	5	11/22/17	AW	30 - 150 %

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

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

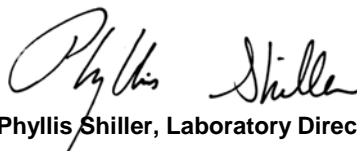
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44894

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-18B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1221	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1232	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1242	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1248	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1254	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1260	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1262	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A
PCB-1268	ND	0.77	mg/kg	5	11/22/17	AW	SW8082A

QA/QC Surrogates

% DCBP	86	%	5	11/22/17	AW	30 - 150 %
% TCMX	79	%	5	11/22/17	AW	30 - 150 %

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

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Comments:

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

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44895

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-18C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.82	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	78	%	5	11/23/17	AW	30 - 150 %
% TCMX	59	%	5	11/23/17	AW	30 - 150 %

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

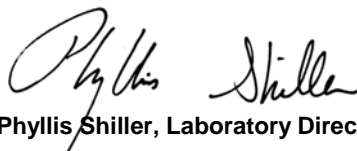
Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44896

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-19A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	62	%	5	11/23/17	AW	30 - 150 %
% TCMX	46	%	5	11/23/17	AW	30 - 150 %

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

Comments:

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

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44897

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-19B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.77	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	38	%	5	11/23/17	AW	30 - 150 %
% TCMX	39	%	5	11/23/17	AW	30 - 150 %

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

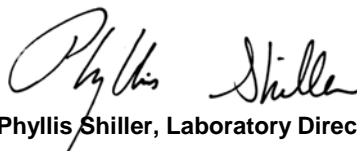
Comments:

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

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17
11/20/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44898

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-19D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1221	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1232	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1242	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1248	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1254	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1260	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1262	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A
PCB-1268	ND	0.51	mg/kg	2	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	46	%	2	11/23/17	AW	30 - 150 %
% TCMX	43	%	2	11/23/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report

November 28, 2017

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

Sample Information

Matrix: SOLID
Location Code: F&OENVIRPCB
Rush Request: Standard
P.O.#: 20161001.A1E

Custody Information

Collected by: EC/SV
Received by: DL
Analyzed by: see "By" below

Date

11/14/17

Time

18:35

Laboratory Data

SDG ID: GBZ44868
Phoenix ID: BZ44899

Project ID: FORMER SCOVIL HOE MILL
Client ID: 111517EC-20

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				11/21/17	MX/R	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	11/23/17	AW	SW8082A

QA/QC Surrogates

% DCBP	66	%	5	11/23/17	AW	30 - 150 %
% TCMX	51	%	5	11/23/17	AW	30 - 150 %

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

Comments:

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Phyllis Shiller, Laboratory Director

November 28, 2017

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 28, 2017

QA/QC Data

SDG I.D.: GBZ44868

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 410485 (ug/Kg), QC Sample No: BZ44868 10X (BZ44868, BZ44869, BZ44870, BZ44871, BZ44872, BZ44873, BZ44874, BZ44875, BZ44876, BZ44877, BZ44878, BZ44879, BZ44880, BZ44881, BZ44882, BZ44883, BZ44884, BZ44885, BZ44886)										
<u>Polychlorinated Biphenyls - Solid</u>										
PCB-1016	ND	170	73	87	17.5				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	78	94	18.6				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	102	%	89	111	22.0				30 - 150	30
% TCMX (Surrogate Rec)	84	%	75	90	18.2				30 - 150	30

Comment:

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

QA/QC Batch 410486 (ug/Kg), QC Sample No: BZ44887 10X (BZ44887, BZ44888, BZ44889, BZ44890, BZ44891, BZ44892, BZ44893, BZ44894, BZ44895, BZ44896, BZ44897, BZ44898, BZ44899)

Polychlorinated Biphenyls - Solid

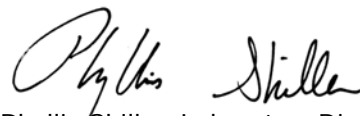
PCB-1016	ND	170	92	92	0.0				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	95	95	0.0				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	105	%	115	110	4.4				30 - 150	30
% TCMX (Surrogate Rec)	93	%	91	89	2.2				30 - 150	30

Comment:

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

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

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


Phyllis Shiller, Laboratory Director
November 28, 2017

Sample Criteria Exceedances Report

GBZ44868 - FOENVIRPCB

Criteria: None
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BZ44884	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	1.2	0.78	1	1	mg/kg

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



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Fuss & O'Neill EnviroScience, LL

Project Location: FORMER SCOVIL HOE MILL

Project Number:

Laboratory Sample ID(s): BZ44868-BZ44899

Sampling Date(s): 11/14/2017

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

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 checked="" type="checkbox"/> Yes <input 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 28, 2017

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 28, 2017

SDG I.D.: GBZ44868

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD1 11/22/17-1 Adam Werner, Chemist 11/22/17

BZ44868, BZ44869, BZ44870, BZ44871, BZ44872, BZ44873, BZ44874, BZ44875, BZ44876, BZ44877, BZ44878, BZ44879, BZ44880, BZ44882, BZ44883, BZ44884, BZ44885, BZ44886, BZ44890, BZ44891, BZ44894, BZ44895, BZ44897

The initial calibration (PC1106AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1106BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD3 11/22/17-1 Adam Werner, Chemist 11/22/17

BZ44898

The initial calibration (PC1109AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1109BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD5 11/22/17-1 Adam Werner, Chemist 11/22/17

BZ44881, BZ44887, BZ44888, BZ44889, BZ44892, BZ44893, BZ44896, BZ44899

The initial calibration (PC1110AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1110BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Batch Specific):

Batch 410485 (BZ44868)

BZ44868, BZ44869, BZ44870, BZ44871, BZ44872, BZ44873, BZ44874, BZ44875, BZ44876, BZ44877, BZ44878, BZ44879, BZ44880, BZ44881, BZ44882, BZ44883, BZ44884, BZ44885, BZ44886

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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

Batch 410486 (BZ44887)

BZ44887, BZ44888, BZ44889, BZ44890, BZ44891, BZ44892, BZ44893, BZ44894, BZ44895, BZ44896, BZ44897, BZ44898, BZ44899

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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

Temperature Narration

The samples were received at 2.3C with cooling initiated.

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



FUSS & O'NEILL
EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

PCB Bulk Sample Chain of Custody Form

Project Name: Former Scovill Hosiery Mill - Town of Haddam Project No. 20161001AUE Date: 11/16/17
Site Address: 11 Candlewood Hill Road, Higganum, CT Location: Buildings A & B Project Manager: Kathleen Paine

Sample ID	Sample Location	Material	Substrate(s)
Building A (North Building)			
111517EC-04A	North Side, West Window Frame/Brick	Hard Tan Caulk	Brick
111517EC-04B	South Side, West Window Frame/Brick	Hard Tan Caulk	Brick
111517EC-04C	East Side, North Window Frame/Brick	Hard Tan Caulk	Brick
111517EC-05A	North Side, West Window	Hard Tan Glazing Compound	Wood Sash
111517EC-05B	South Side, West Window	Hard Tan Glazing Compound	Wood Sash
111517EC-05C	East Side, North Window	Hard Tan Glazing Compound	Wood Sash
111517EC-06A	Overhead Bay Door 6 Frame / Brick	Rubbery Grey Caulk	Brick
111517EC-06B	Overhead Bay Door 7 Frame / Brick	Rubbery Grey Caulk	Brick
111517EC-06C	Overhead Bay Door 9 Frame / Brick	Rubbery Grey Caulk	Brick
111517EC-07A	South Side West Steel Passage Door at Wood Frame / Brick	Rubbery Grey Caulk	Brick
111517EC-07B	South Side East Metal Passage Door at Metal Frame / Brick	Rubbery Grey Caulk	Brick
111517EC-08A	North Side Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White Caulk	Brick
111517EC-08B	South Side East Original Wood Passage Door at Wood Frame / Brick ("State of CT")	Original Hard White Caulk	Brick
111517EC-08C	South Side East Metal Passage Door Opening Residual Caulk on Brick / Stone	Hard White Caulk	Brick/Stone
111517EC-09C	Between Bay 8 & 9 - Steel Passage Door at Metal Frame / Brick - Interior	Newer Dark Grey Caulk	Brick
111517EC-44A	Area 10 South wall Center Window: Interior Wood/Brick	White Interior Window Caulk	Brick
111517EC-45A	Area 5 West Entry Interior Window	Tan Int. Window Glazing	Wood Sash
111517EC-45B	Area 5 West Entry Interior Window	Tan Int. Window Glazing	Wood Sash
111517EC-45C	Area 5 North Office Interior Window	Tan Interior Window Glazing	Wood Sash

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Page 1 of 2

Signature 11/20/17 1835
Date 11/20/17



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Sample ID	Sample Location	Material	Substrate(s)
Building B (South Building)			
44887 111517EC-16A	East End, 2nd Floor North Window Frame/Brick	Hard Tan Caulk	Brick
44888 111517EC-16B	North Side, Center Window over Door Frame/Brick	Hard Tan Caulk	Brick
44889 111517EC-16C	South Side, West Window Frame/Brick	Hard Tan Caulk	Brick
44890 111517EC-17A	East End, 2nd Floor North Window Frame	Hard Tan Glazing Compound	Brick
44891 111517EC-17B	North Side, Center Window Frame/Brick over Door	Hard Tan Glazing Compound	Brick
44892 111517EC-17C	South Side, West Window Frame/Brick	Hard Tan Glazing Compound	Brick
44893 111517EC-18A	East End Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk	Brick
44894 111517EC-18B	South Center Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk	Brick
44895 111517EC-18C	East End Original Wood Passage Door at Wood Frame / Brick	Original Hard White/Tan Caulk	Brick
44896 111517EC-19A	North Side Center Metal Passage Door at Metal Frame / Brick	White Caulk	Brick
44897 111517EC-19B	North Side West Metal Passage Door at Wood Frame / Brick	White Caulk	Brick
44898 111517EC-19D	Area 5 North Side Door at Wood Frame / Brick	White Caulk	Brick
44899 111517EC-20	North Side East Door at Wood Frame / Brick	White/Grey Caulk	Brick

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

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

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

Samples Collected By: Eric Cooley & Stacy Vanderveer Contact Info: 860-646-2469 x 5585 Date: 11/14 & 15/17 Time: 0800 - 1800

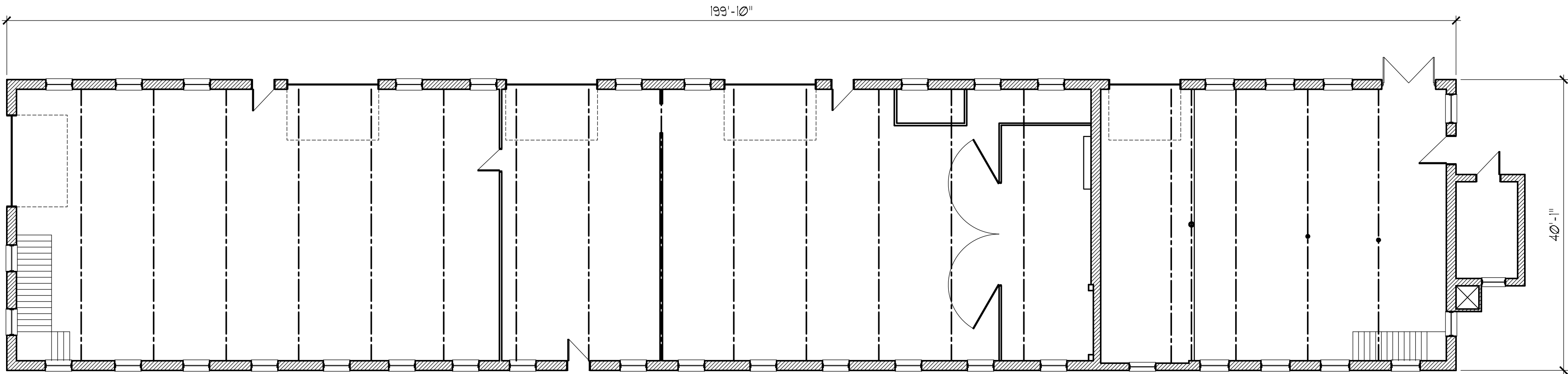
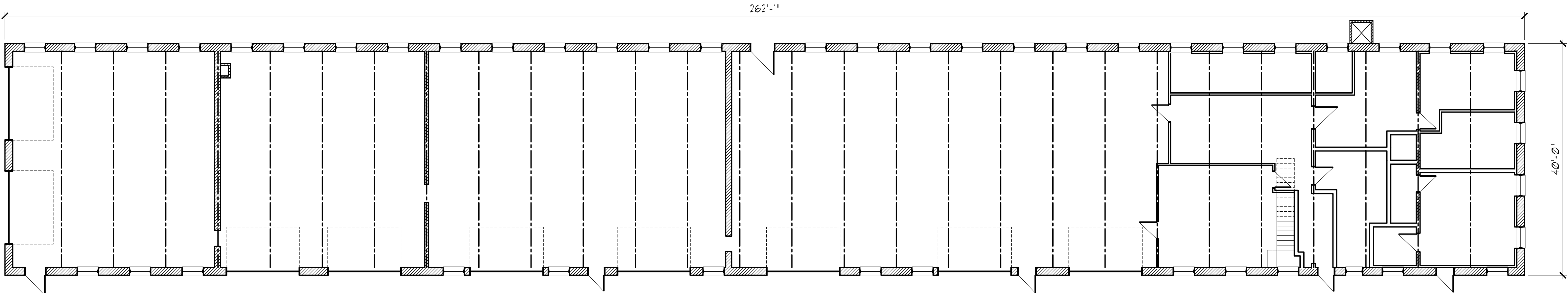
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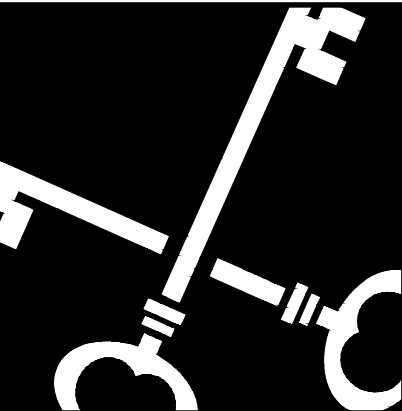
Appendix I

Site Plans

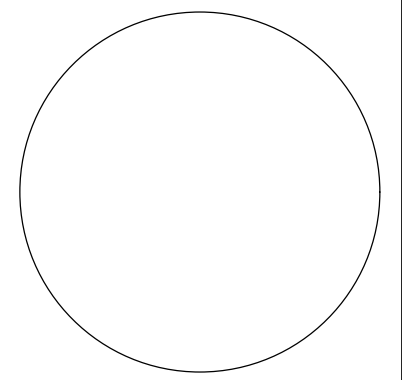
Building Square Footage	
BUILDING #A	Gross
81-115	Total
First Floor	10,500 SF
Second Floor	TBD
Third Floor	TBD
Totals	10,500 SF



1 FIRST FLOOR PLANS
SCALE: 3/32"=1'-0"



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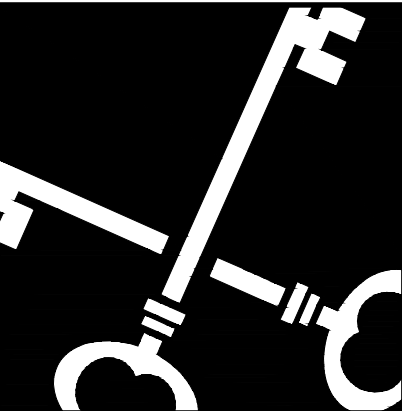
Scovil Mill
11 Candlewood Hill Road, Higganum, CT

Drawn: JG
Date: November 20, 2017
Revisions

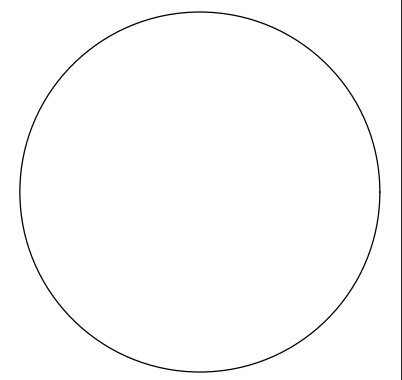
Floor Plans

EX-110

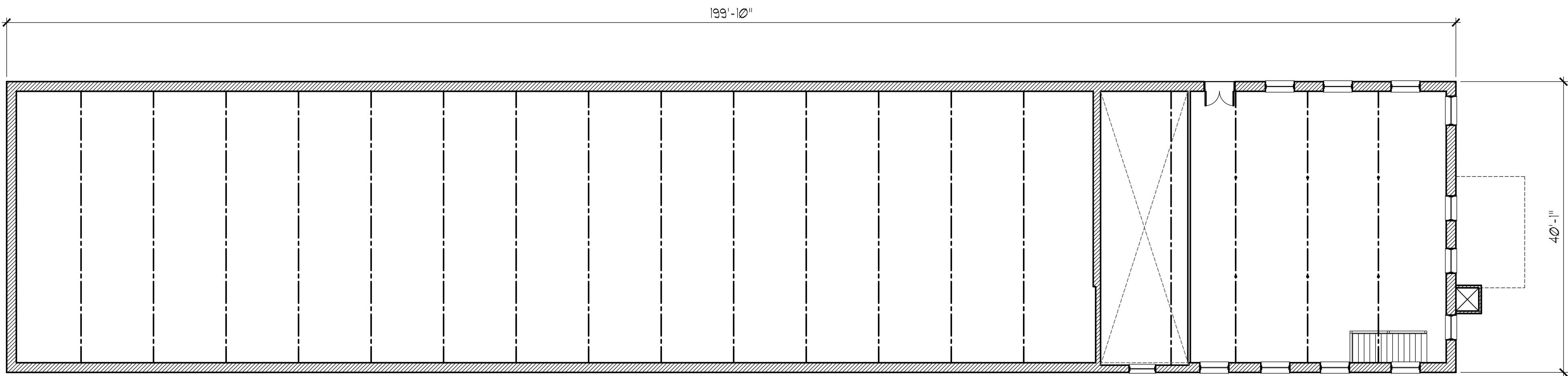
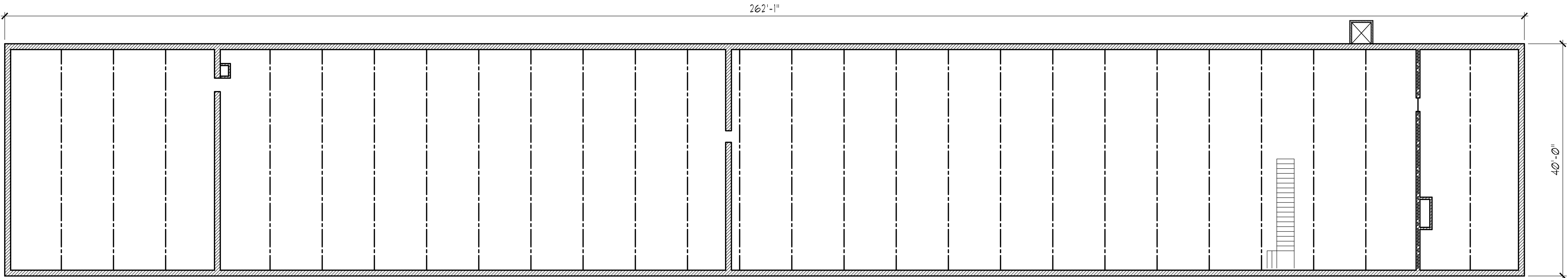
Building Square Footage	
BUILDING #A 81-115	Gross Total
First Floor	10,500 SF
Second Floor	TBD
Third Floor	TBD
Totals	10,500 SF



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Scovil Mill
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1 ATTIC FLOOR PLANS
SCALE: 3/32"=1'-0"



Drawn:	JG
Date:	November 20, 2017
Revisions	

Floor Plans

EX-120