



## **Pre-Demolition Limited Regulated Hazardous Materials Survey Report**

for

**Residential Home, Arlington County  
1212 S. Irving Street  
Arlington, VA 22204**

Prepared for

**Department of Environmental Services – Facilities Design & Construction  
1400 N. Uhle Street, Suite 403  
Arlington, VA 22201**



Prepared by

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**November 28, 2020**

**JSK Project Number JSK-2020-86**



November 27, 2020

Department of Environmental Services – Facilities Design & Construction  
1400 N. Uhle Street, Suite 403  
Arlington, VA 22201

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Sub: Pre-Demolition Limited Regulated Hazardous Materials Survey Report  
Residential Home, Arlington County  
1212 S. Irving Street  
Arlington, VA 22204  
JSK Project Number JSK-2020-86

Dear Mr. Kellenberger:

JSK Environmental Consulting, LLC (JSK) performed the Pre-Demolition Regulated Hazardous Materials Survey that you requested. This included a Limited Pre-Demolition Asbestos, Lead-based Paint and Hazardous Materials Survey at the subject property. JSK provided its services in general accordance with our proposal dated October 30, 2020.

JSK thanks you for choosing us as your consultant for this project. Please contact us at 703-980-0573 if you have any questions or we may be of further service.

Respectfully Submitted,

**JSK ENVIRONMENTAL CONSULTING, LLC.**

A handwritten signature in black ink that reads "Nand Kaushik". The signature is written in a cursive, flowing style.

Nand Kaushik  
Principal

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## 1 EXECUTIVE SUMMARY

JSK Environmental Consulting, LLC was retained by the Arlington County Government to conduct a pre-demolition regulated materials survey that included asbestos-containing materials (ACM), limited lead-based paint (LBP) screening, polychlorinated biphenyls (PCBs), and a visual hazardous materials survey within the subject property located at 1212 South Irving Street in Arlington, Virginia. The survey was conducted on November 19, 2020 by Mr. Michael Allshouse, EPA-accredited and State of Virginia licensed asbestos inspector and LBP risk assessor and Mr. Nand Kaushik, EPA-accredited and State of Virginia licensed asbestos inspector.

The subject property is improved with a single family detached 3-story building with an attic and a small unfinished basement area that includes a crawl space. The subject property is spread over a lot that encompasses approximately 14,920 square feet of area. The 1<sup>st</sup> floor comprises approximately 1,750 square feet of living area and includes a living room, dining room, kitchen, two bedrooms, office space, laundry area, and a separate bathroom and shower room. The 2<sup>nd</sup> floor includes a split-level with a bedroom and bathroom and attic space at one end and two bedrooms and a bathroom at the other end. The landing area includes several closets. The 3<sup>rd</sup> floor includes 2 bedrooms and a bathroom. The 2<sup>nd</sup> and 3<sup>rd</sup> floor areas both comprise approximately 560 square feet. The remainder of the property consists of paved parking areas, driveways and landscaping. Access to the subject property is from South Irving Street. According to the Arlington County property records the subject property building was originally constructed in 1924. It has been renovated over the years with the last renovation occurring in 1990.

The interior of the residence is covered with carpeting and vinyl flooring, and painted gypsum drywalls and ceilings. The exterior of the building is covered with aluminum/vinyl siding and the roof consist of asphalt shingles. JSK understands that the client plans to demolish the building.

The Regulated Hazardous Material survey was conducted within the residential building that is proposed to be demolished. The purpose of the regulated material survey was to identify the presence of ACM, LBP, PCB, and other hazardous materials (petroleum products, VOC's, or other materials and chemicals labeled "hazardous") in exposed and/or accessible areas within the structure

### **Asbestos Survey Summary**

The asbestos inspection and sampling were conducted on November 19, 2020 by asbestos inspectors Mr. Michael Allshouse and Mr. Nand Kaushik.

A total of 39 samples were collected from 18 suspect homogenous materials (HM) from the interior, exterior and the roof of the residential building during the asbestos survey. The samples were analyzed by polarized light microscopy (PLM). The U.S. Environmental Protection Agency (EPA), the U.S. Occupational Safety and Health Administration (OSHA) and State of Virginia define an ACM as any material containing greater than one percent (>1%) asbestos.

**PLM analysis did not identify any ACMs within the facility and JSK did not observe any suspect materials that were assumed ACMs within the facility.**

### **Limited Lead-Containing Paint Screening**

In 1978, the Consumer Product Safety Commission banned the sale of lead-based paint to consumers, and its application to areas where consumers have direct access to painted surfaces. As a result of this ban, buildings painted prior to 1978 are suspected of containing leaded paint. The EPA and the U.S. Department of Housing and Urban Development (HUD) define a LBP as any coating having 0.5% lead by weight with laboratory analysis.

The LBP testing was performed using an x-ray fluorescence analyzer (XRF) to test painted, stained, or varnished interior permanent building components for the presence of lead. In addition, a visual assessment for paint condition was conducted in all rooms. The limited LBP Inspection was conducted in general accordance with the U.S. Department of Housing & Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing", 2012 Edition (HUD Guidelines) to identify LBP. While the HUD Guidelines were developed specifically for housing, both the Virginia Department of Environmental Quality (DEQ) and the U.S. Environmental Protection Agency (EPA) references these guidelines when testing for LBP in many facilities. According to DEQ Regulations, paint or varnishes are considered to be "lead-based" if lead levels of 1.0 mg/cm<sup>2</sup> or greater are measured using an XRF.

A total of 202 XRF readings, including calibrations, were performed. This survey was limited in nature and was not intended to be a comprehensive survey of all the painted components within the facility. The condition of the painted surfaces was found to be generally in an intact condition. A total of 18 XRF readings of component coatings, from the structures, tested had XRF readings equal to or greater than the "positive" classification of 1.0 mg/cm<sup>2</sup>. These are summarized below:

### **Interior Readings**

- White wooden Door Casing in Living Room (1<sup>st</sup> Floor): Reading of 7.3 mg/cm<sup>2</sup>
- White wooden Baseboard in Living Room (1<sup>st</sup> Floor): Reading of 8.3 mg/cm<sup>2</sup>
- White wood Pocket Door separating the Living Room and the Dining Room (1<sup>st</sup> Floor): Reading of 7.5 mg/cm<sup>2</sup>
- White wooden Door Casing in Office area (1<sup>st</sup> Floor): Reading of 4.9 mg/cm<sup>2</sup>
- White wooden Siding/Paneling in Office area (1<sup>st</sup> Floor): Reading of greater than 9.9 mg/cm<sup>2</sup>
- Window Sash in Office area (1<sup>st</sup> Floor): Reading of 3.8 mg/cm<sup>2</sup>
- Window Casing in Office area (1<sup>st</sup> Floor): Reading of 2.8 mg/cm<sup>2</sup>
- Windowsill in Office area (1<sup>st</sup> Floor): Reading of 3.9 mg/cm<sup>2</sup>
- Window Trough in Office area (1<sup>st</sup> Floor): Reading of 5.6 mg/cm<sup>2</sup>
- White wooden Closet Door in Landin Area on 2<sup>nd</sup> Floor: Reading of 6.1 mg/cm<sup>2</sup>
- Cream wooden Baseboard in Bedroom 3-2 (3<sup>rd</sup> Floor): Reading of greater than 9.9 mg/cm<sup>2</sup>
- Cream wooden Handrail at Stairway on 3<sup>rd</sup> Floor: Reading of 2.9 mg/cm<sup>2</sup>
- Cream wooden Spindle of Handrail at Stairway on 3<sup>rd</sup> Floor: Reading of greater than 9.9 mg/cm<sup>2</sup>
- Cream wooden Door Casing in Bathroom on 3<sup>rd</sup> Floor: Reading of greater than 9.9 mg/cm<sup>2</sup>
- Cream wooden Closet Door in Landin Area on 3<sup>rd</sup> Floor: Reading of 8.4 mg/cm<sup>2</sup>
- White wooden Door Casing in Bedroom 3-1 (3<sup>rd</sup> Floor): Reading of greater than 9.9 mg/cm<sup>2</sup>
- Cream wooden Baseboard in Bedroom 3-1 (3<sup>rd</sup> Floor): Reading of greater than 9.9 mg/cm<sup>2</sup>

### **Exterior Readings**

- White Concrete Knee Wall in the Landing area at the Entrance to Building: Reading of 7.3 mg/cm<sup>2</sup>. The paint on this was about 10% damaged.

### **Polychlorinated Biphenyls (PCBs) Caulking and Sealants Survey Summary**

EPA regulations implementing the Toxic Substance Control Act (TSCA) prohibit the use of PCBs in caulk and other building materials manufactured with PCBs at levels greater than or equal to 50 ppm, including the continued use of such materials that are already in place.

JSK observed that the windows had been recently replaced in the past 10 years or so and the wooden window frames did not have any caulking around them. Therefore, no caulk samples were collected for analysis of PCB's.

### **Other Hazardous Material Survey Summary**

The purpose of this limited visual survey for other hazardous materials was to provide general information for this facility regarding the presence of suspect hazardous materials and chemicals. A visual survey was conducted to provide general information for this facility regarding the presence of suspect hazardous materials.

The following materials were considered suspect:

- One Mercury thermostat in the living room on the 1<sup>st</sup> floor
- Fire/emergency lights throughout the subject property (total of 17)
- Smoke detectors throughout the subject property (total of 16)
- Fire extinguishers throughout the subject property (total of 4)
- Fire alarm system in the office area on the 1<sup>st</sup> floor
- Fluorescent lighting on the 1<sup>st</sup> floor (total of 4). The lights were electronic with non PCB-containing ballasts.

This summary does not contain all the information presented in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information

## 2 INTRODUCTION

JSK Environmental Consulting, LLC was tasked by the Arlington County Government, Department of Environmental Services (DES), Facilities Design and Construction Department to conduct a pre-demolition regulated Hazardous Materials survey at the residential home located at 1212 South Irving Street in Arlington, Virginia. The survey was completed by a USEPA accredited and state of Virginia-licensed asbestos inspector and LBP risk assessor.

This survey report is organized into the following sections:

- Section 3 discusses the General Building and Survey Information.
- Section 4 discusses the Methodology.
- Section 5 discusses survey findings.
- Section 6 discusses conclusions and recommendations from the survey.

The following appendices were added to this report as supplemental information:

- Appendix A contains the laboratory report of the bulk sample analysis for asbestos and chain of custody.
- Appendix B contains a schematic layout of the facility and sample collection locations.
- Appendix C contains the XRF Field Log for the LBP survey and a schematic layout of the facility showing LBP locations.
- Appendix D contains the inspector and laboratory certifications; and
- Appendix E contains the Photo log of the asbestos samples collected from the facility, the LBP locations and hazardous materials identified at the subject property.

### 2.1 SCOPE OF SERVICES

The scope of services for this project consisted of conducting an asbestos, lead paint PCBs, and other hazardous materials survey, including inspection, sampling and analysis of accessible and exposed interior areas at the subject building that will be impacted by the demolition operations, including exterior materials and the roof.

The investigation included a review of client provided records or documents (if available), visual inspection of the subject area(s), asbestos sample collection, PLM asbestos sample analysis, quantification of ACMs, LBP assessment, and report preparation and review. No sampling was conducted for other suspect hazardous materials within the scope of this investigation.

#### **Asbestos Survey**

This survey was intended to identify all asbestos containing materials (ACM) as required by the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP), the US Occupational Safety and Health Administration (OSHA) and the State of Virginia. Additional information relative to friability, quantity and condition is also provided to assist the owner or his representative in the appropriate decisions involved with renovation and demolition. Regulations pertaining to asbestos renovation and demolition surveys include 40 CFR Part 61 (EPA NESHAP), 29 CFR 1926.1101 (OSHA Asbestos in Construction) and applicable State of Montana regulations.

### **Lead Paint Survey**

This survey was intended to identify LBP in general accordance with the EPA, OSHA and the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.

### **Polychlorinated Biphenyls Caulking and Sealants Survey**

This survey was intended to identify PCBs in caulking and sealants in general accordance with the EPA TSCA regulations.

### **Hazardous Materials Investigation**

The purpose of the proposed scope of services was to visually inspect the extent and identify hazardous materials. JSK visually inspected for and quantify chemicals found at the location, including but not limited to: cleaning chemicals, maintenance chemicals, paints, hydraulic equipment, above ground storage tanks, underground storage tanks, batteries, acids and photographic development; PCB and mercury containing items (ballasts, fluorescent light bulbs, thermostats, smoke detectors, exit signs); blood borne pathogens containers and the identification and quantification of containers/storage vessels associated with the spaces. No sampling was conducted for this assessment.

## **2.2 PURPOSE**

The purpose of this survey was to provide general information for the subject building regarding the presence, condition, and quantity of accessible and/or exposed building materials that contain asbestos, LBP and other hazardous materials, prior to the planned demolition of the building.

## **2.3 AUTHORIZATION**

Authorization to perform this work was given on November 10, 2020 through the issuance of a Standard Purchase Order Number 284985 issued by the Arlington County Government. The project was conducted in accordance with the scope, terms and conditions of JSK's signed Proposal No. JSK-2020-70, dated October 30, 2020.

## **2.4 LIMITATIONS**

### **Asbestos**

This asbestos survey was intended to meet the requirements of the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos demolition or renovation. The survey included a thorough inspection of accessible interior, exterior and roof areas of the subject property prior to demolition.

The survey included the interior, exterior and roof of the facility.

Destructive sampling, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.); inside mechanical chases, behind mirrored walls, under carpet or tiled floors, etc., was generally conducted to try to



assess inaccessible or concealed materials. Void spaces which were evaluated included locations of suspected pipe or HVAC chases, wall cavities where fireproofing or other ACM was suspected, above finished ceiling systems where ACM was likely to exist, within pipe trenches or within concealed locations. Although JSK made an attempt to identify all areas of ACM, an exhaustive investigation of void spaces was not included in the scope of services for this project. There may exist conditions which were unable to be identified within the scope of this survey.

Inaccessible is defined as areas of the building that were locked, or where admittance was not permitted. It also includes areas/materials that could not be tested (sampled) without destruction of the structure or a portion of the structure, and areas/materials that could not be safely reached by the inspector or inspection team. In the event that access to a portion of the building was not obtained (which otherwise would have been tested), such limitations specifically are identified in the Findings Section of this report.

JSK did not sample any system which presented a hazard to the inspection team such as energized electrical systems or within confined spaces.

JSK did not collect samples from building elements where the intended use would be compromised by testing, such as fire rated doors, vapor barriers, mirror mastics, etc.

### **Lead Paint**

The limited inspection for lead-containing paints was not intended to be an exhaustive survey of all paints on the exterior of the building but a representation of the type of materials and components painted with lead-containing paint. The scope was not intended to comply with the strict requirements of a HUD lead-based paint inspection.

### **Polychlorinated Biphenyls**

Limited sampling of potential PCB-containing caulking and sealants was proposed to be conducted from select window frames within the subject property building. However, JSK observed that the windows had been recently replaced in the past 10 years or so and the wooden window frames did not have any caulking around them. Therefore, no caulk samples were collected for analysis of PCB's.

### **Other Hazardous Materials**

The other hazardous materials investigation was a visual survey only, no sampling was conducted.

## **2.5 WARRANTY**

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect ACM associated with the building structure. JSK warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the client with information regarding the presence of accessible and/or exposed suspect ACM existing at the time of the inspection. Test results are valid only for the material(s) tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. This inspection covered only those areas that were exposed and/or physically accessible to the Inspector. The study is also limited to the information available from the client at the time it was conducted.

No other warranties are implied or expressed.

### 3 GENERAL BUILDING AND SURVEY INFORMATION

#### 3.1 BUILDING INFORMATION

<u>Subject Property:</u>	Residential Home, Arlington County 1212 S. Irving Street Arlington, VA 22204
<u>Facility Construction Date:</u>	According to the Arlington County property records the subject property building was originally constructed in 1924.
<u>Previous Renovation Dates:</u>	It has been renovated over the years with the last renovation occurring in 1990.
<u>Number of Floors:</u>	Three (3) including basement area.
<u>Approximate Size (SF)</u>	1,750 SF (1 <sup>st</sup> Floor); 560 SF (2 <sup>nd</sup> and 3 <sup>rd</sup> Floors).
<u>Construction Type</u>	The exterior walls of the building are constructed of aluminum/vinyl siding. The interior walls and ceiling are gypsum drywall. The interior floors of the building are covered with carpeting and vinyl floor tiles. The bathrooms are covered with ceramic tiles.
<u>Building Occupant(s):</u>	Currently unoccupied.
<u>Additional Information:</u>	The scope of the survey included the interior, exterior and roof of the Building only.

#### 3.2 INSPECTION INFORMATION

<u>Name of JSK Inspector(s):</u>	Mr. Michael Allshouse Virginia Asbestos Inspector License Number: 3303003902. Virginia LBP Inspector License: 3356001040 Mr. Nand Kaushik Virginia Asbestos Inspector License Number: 3303004514
<u>Date(s) of Inspection:</u>	November 19, 2020
<u>Escort:</u>	JSK was unescorted during the survey.

## 4 METHODOLOGY

Inspection and sampling procedures were performed in general accordance with the guidelines published by the U.S. Environmental Protection Agency (EPA). The inspection and survey described below was performed by an EPA accredited and State of Montana-licensed asbestos inspector.

### 4.1 RECORD DOCUMENT REVIEW

Prior to conducting the visual inspection, JSK reviewed documents provided by the client, including drawings, floor plans, historical data, maintenance records, previous survey reports, laboratory reports, etc. for information regarding construction history and building materials.

The following documents were reviewed as a part of this Asbestos Survey:

- Site Layout Plans – Provided by the Client.

### 4.2 ASBESTOS SURVEY METHODOLOGY

#### Inspection Procedures

An initial individual building structure walkthrough was conducted to determine the presence of suspect asbestos-containing materials that were accessible and/or exposed within the interior, exterior and roof of the building.

Destructive investigation, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.); inside mechanical chases, behind mirrored walls, under carpet or tiled floors, etc., was generally conducted in a limited fashion to try to assess inaccessible or concealed materials. The inspection team selected a few representative areas to perform an intrusive evaluation of void spaces within the building or structure. Such inspections were made by creating an opening of sufficient size to determine the presence, condition and quantity of suspect ACM within. Although JSK made an attempt to identify all areas of ACM, an exhaustive investigation of void spaces was not included in the scope of services for this project. There may exist conditions which were unable to be identified within the scope of this survey. JSK did not collect samples from building elements where the intended use would be compromised by testing, such as fire rated doors, vapor barriers, mirror mastics, etc.

Materials which were similar in color, texture, general appearance and which appear to have been installed at the same time were grouped in Homogeneous Sampling Areas. Such materials are termed "homogeneous materials" by the EPA. During this walkthrough, the approximate locations of these homogeneous materials were also noted.

The inspector evaluated the overall condition of the material and determined whether the materials were friable or non-friable by touching the material, where practical. A friable material is defined as any material able to be crushed, crumbled, pulverized or reduced to a powder by hand press when dry.

Each material was further assessed for overall condition. Conditions were rated as good, damaged or significantly damaged. JSK's inspector also identified the EPA classification of the material: Regulated ACM (RACM), Category I non-friable ACM, and Category II non-friable ACM, based on the materials current condition. JSK's inspector provided estimated quantities of the materials identified as ACM, based only on materials that were accessible and exposed.

### **Sampling Procedures**

Following the walkthrough, the Inspector collected samples of suspect materials.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from areas already damaged or areas which were the least visible to minimize disturbance of the material.

Each sample location was sprayed with amended water and was kept wet during the entire sampling process. Samples were collected by coring through the material from the surface down to the base substrate. All layers of the material were extracted in placed into a sample container for transport to the laboratory. Sample containers were sealed and labeled with a unique sample identification number. Where appropriate, sampled materials were sealed with an encapsulant or covered with tape after sampling. JSK is not responsible for restoring the sampled areas to their pre-sampled condition.

### **Laboratory Analysis**

All samples were analyzed at EMSL Laboratories located at 10768 Baltimore Avenue, Beltsville, Maryland. The EMSL Laboratory is a National Voluntary Laboratory Accreditation Program (NVLAP) Accredited (#101768-0) and an American Industrial Hygiene Association (AIHA) Accredited (#103025) Laboratory. A copy of the Laboratory's Accreditation Certificate is included in Appendix C.

The samples were analyzed for asbestos on a "positive-stop" basis by polarized light microscopy (PLM) in accordance with the "EPA Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116 July 1993). Analysis was performed by visually observing the bulk samples with a stereoscope followed by slide preparation(s) for microscopic examination and identification.

Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample. Next, the samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, actinolite/tremolite), and fibrous non-asbestos constituents (mineral wool, fiberglass, cellulose, etc.). Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The EPA method allows samples which are visually determined to have less than 10% asbestos to be quantified using a Point Count procedure. An ocular reticule (cross hair or point array) is used to visually superimpose a point or points on the microscope field of view. A total of 400 points superimposed on either asbestos fibers or non-asbestos matrix material must be counted over at least eight different preparations of representative subsamples. If an asbestos fiber and matrix particle overlap so that a point is superimposed on their visual intersection, a point is scored for both categories. Point counting provides a quantification of the area percent asbestos. No samples were point counted for this survey.

### 4.3 LEAD-BASED PAINT SURVEY METHODOLOGY

#### **Survey Methodology**

JSK inspected all accessible areas of the subject property building. The survey was conducted in general accordance with HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (HUD 1995). The JSK inspector used an LPA-1 XRF Spectrum Analyzer manufactured by RMD to perform the LBP testing. The LPA-1 is an XRF spectral analyzing system for quantitative measurement of lead in paint on various substrates. In each interior area of the building, XRF testing was performed on representative components with painted, stained, or varnished surfaces. Representative components are considered those in the same room, type of component, substrate, and visible color of paint. The inspector also assessed the general condition of the painted surfaces, according to the following guidelines:

- Good indicates there is no damage to the paint
- Fair indicates that the paint is cracking but not peeling
- Poor indicates that the paint is cracked and peeling

#### **Sampling Methodology**

Paint containing greater than or equal to 1.0 mg/cm<sup>2</sup> (or 0.5 percent by weight) lead by XRF testing or by laboratory analysis is considered LBP. The JSK inspector operated the XRF device in “Quick Mode” for testing (standardized in accordance with the equipment instruction manual) and programmed the unit with an action level of 1.0 mg/cm<sup>2</sup>. In “Quick Mode,” the XRF device seeks the shortest time period to assure a definitive measurement with 95 percent confidence (2 sigma). The LPA-1 analyzer concludes a measurement once the 2-sigma confidence level is achieved, typically between 2 to 4 seconds, depending on the lead content.

XRF calibration checks against known LBP standards were performed on the LPA-1 according to the instrument’s operating guidelines. The quality control readings were used to monitor the performance of the LPA-1. The calibration-check readings were taken before testing began and after the testing was completed using a Standard Reference Material paint film, developed by the National Institute of Standards and Technology. All calibration check readings were within acceptable limits.

XRF testing values were collected by placing the LPA-1 scanner on the surface to be tested and exposing the paint film to gamma radiation. XRF analyzers are usually capable of penetrating up to 3/8 inch of paint to determine lead content. At the conclusion of each test, the shutter closes and the display on the control console shows the lead concentration in mg/cm<sup>2</sup> for manual tabulation. Test readings of 0.9 mg/cm<sup>2</sup> or below are negative for LBP. Test readings of 1.0 mg/cm<sup>2</sup> or above are positive for LBP.

There were no areas where XRF readings were inconclusive, therefore, no paint chip samples were collected for laboratory analysis.

Section 5.2 provides a summary of the LBP survey results for the facility

#### 4.4 OTHER HAZARDOUS MATERIALS SURVEY METHODOLOGY

##### Inspection Procedures

JSK conducted a hazardous material inspection which included a visual inspection to determine the extent and identify hazardous materials. JSK visually inspected for and quantified chemicals found within the buildings, including but not limited to: cleaning chemicals, maintenance chemicals, paints, hydraulic equipment, above ground storage tanks, underground storage tanks, batteries, acids and photographic development; Polychlorinated Biphenyls (PCB) and mercury containing items (ballasts, fluorescent light bulbs, thermostats, smoke detectors, exit signs); blood borne pathogens containers and the identification and quantification of containers/storage vessels associated with the spaces.

No sampling was conducted for hazardous materials within the scope of this investigation.

## 5 FINDINGS

### 5.1 ASBESTOS RESULTS

JSK collected a total of 39 samples from 18 suspect homogenous materials (HM) from the subject property. Table 1 lists the materials that were sampled, along with the results of the inspection and laboratory analysis.

Laboratory analysis indicated that no asbestos was detected in the samples collected from the subject building.

JSK did not observe any assumed ACMs within the facility.

The “Report of Bulk Sample Analysis for Asbestos”, Sample Location diagram and Photographs are included in the Appendices. Table 1 on the following pages list the suspect asbestos-containing materials observed throughout the building that will be impacted by the demolition operations. Table 1 lists the materials that were sampled, along with the results of the inspection and laboratory analysis. The table also gives a description of the materials, their general locations, condition, friability, EPA NESHAP Category, and estimated quantity for abatement.

#### Inaccessible Areas

JSK did not encounter any inaccessible areas.

#### Regulatory Guidelines

**ACM Definition** - The EPA & OSHA consider a material to be asbestos-containing if at least one sample from the homogeneous area shows asbestos in an amount greater than 1%.

**Point Count Quantification** - If a material is found to contain less than 10% asbestos via visual estimation, it can be treated as non-ACM per EPA Regulations, if verified to contain 1% or less asbestos by the Point Count Quantification Procedure. If not point counted, a sample in which asbestos was visually detected and estimated (including trace to ≤1%) must be assumed to be greater than 1% and treated as ACM. Please refer to the laboratory analyses for a more detailed description of the microscopic analysis of individual samples. No samples were quantified by the Point Count Procedure in this Asbestos Survey.

**EPA NESHAP Category** - EPA classifies ACM into the following categories:

- **RACM** is any (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.
- **Category I Non-friable ACM** includes packings, gaskets, resilient floor covering, and asphalt roofing products which contain more than one percent asbestos.
- **Category II Non-friable ACM** includes any material, except for a Category I non-friable ACM, which contains more than one-percent asbestos and cannot be reduced to a powder by hand pressure when dry.



**OSHA** – OSHA requires all suspect materials to be analyzed by layer, even materials such as drywall/joint compound, which may sometimes be composited per the EPA. If any layer contains asbestos in a concentration >1%, the material is considered an ACM.

OSHA has a classification system (I thru IV) for ACM depending on the type of material and the disturbance as follows:

- **'Class I'** work is defined as activities involving the removal of ACM or presumed ACM (PACM) that is thermal system insulation (TSI) and surfacing materials.
- **'Class II'** activities involve removal of ACM/PACM other than TSI or surfacing material.
- **'Class III'** work includes repair and maintenance operations which are likely to disturb ACM/PACM.
- **'Class IV'** work includes maintenance and custodial activities during which employees contact but do not disturb ACM/PACM.

Materials where asbestos is detected, but where point counting is conducted and determined that the concentration is  $\leq 1\%$  asbestos, are not considered to be ACM by OSHA. However, these materials are considered unclassified asbestos work per OSHA. Some OSHA work control practices and prohibitions will still apply, with the extent depending on whether the worker's exposure to airborne asbestos exceeds the OSHA permissible exposure limit (PEL).

Additional details of the OSHA asbestos regulations related to the construction industry can be found in 29 CFR part 1926.1101.

## Quantification

Quantification of suspect asbestos-containing materials was conducted using visual estimation by a licensed asbestos inspector. This visual estimation was performed in accordance with generally accepted practices in the asbestos industry based on materials that were accessible and exposed. These values are sufficiently accurate for the purpose of documenting the presence of asbestos within its space for the purpose of identifying abatement control conditions or for general policy considerations. Actual quantities may differ between visually estimated values and physical measurements. If a licensed asbestos abatement contractor is engaged to remove asbestos containing materials, the abatement contractor is responsible for verifying reported quantities of ACM.

**TABLE 1 – SUSPECT ACMs SAMPLED – Residential Home, 1212 South Irving Street, Arlington, VA 22004**

HM NUMBER (SAMPLE NUMBERS)	MATERIAL DESCRIPTION	MATERIAL SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ASBESTOS & TYPE <sup>3</sup>	EPA NESHAP CAT <sup>4</sup>	ESTIMATED QUANTITY
HM 1 (HM1-1 to HM1-2)	Tan 18" by 18" VFT with Cream Mastic	Kitchen and Laundry Area	NF	Good	VFT: NAD Mastic: NAD	N/A	N/A
HM 2 (HM2-1 to HM2-3)	White Wall DW and Associated White JC	Dining Room, Bedroom 2-2 and Bedroom 3-2	F	Good	DW: NAD JC: NAD	N/A	N/A
HM 3 (HM3-1 to HM3-2)	White Ceiling DW and Associated White JC	Dining Room, Bedroom 2-2 and Bedroom 3-2	F	Good	DW: NAD JC: NAD	N/A	N/A
HM 4 (HM4-1 to HM4-2)	White Interior Door Caulk	Kitchen and Bedroom 1-3	NF	Good	NAD	N/A	N/A
HM 5 (HM5-1 to HM5-2)	White Interior Window Caulk	Kitchen and Bedroom 1-3	NF	Good	NAD	N/A	N/A
HM 6 (HM6-1 to HM6-2)	4" Black Vinyl CB with Associated Cream Mastic	Kitchen	NF	Good	CB: NAD Mastic: NAD	N/A	N/A
HM 7 (HM7-1 to HM7-2)	Light Gray Under Sink Bowl Coating	Kitchen	NF	Good	NAD	N/A	N/A
HM 8 (HM8-1 to HM8-2)	Black and Brown Carpet with Tan Carpet Glue	Living Room and Office Space	NF	Good	NAD	N/A	N/A
HM 9 (HM9-1 to HM9-2)	Tan Faux Wood Pattern Vinyl Plank Flooring with Cream Mastic	Bedroom 1-2 and Bedroom 1-3	NF	Good	Flooring: NAD Mastic: NAD	N/A	N/A
HM 10 (HM10-1 to HM10-2)	Mottled Pink CFT with Light Gray Grout and White Setting Base	Bathroom on 1 <sup>st</sup> Floor	F	Good	CT Base: NAD Grout: NAD	N/A	N/A

**TABLE 1 – SUSPECT ACMs SAMPLED – Residential Home, 1212 South Irving Street, Arlington, VA 22004**

HM NUMBER (SAMPLE NUMBERS)	MATERIAL DESCRIPTION	MATERIAL SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ASBESTOS & TYPE <sup>3</sup>	EPA NESHAP CAT <sup>4</sup>	ESTIMATED QUANTITY
HM 11 (HM11-1 to HM11-2)	Pinkish Gray CFT with Gray Grout and Gray Setting Base	Shower Room on 1 <sup>st</sup> Floor	F	Good	CT Base: NAD Grout: NAD	N/A	N/A
HM 12 (HM12-1 to HM12-2)	Mottled Dark Brown CFT with Tan Grout and White Setting Base	Bathroom 2-1	F	Good	CT Base: NAD Grout: NAD	N/A	N/A
HM 13 (HM13-1 to HM13-2)	Creamish White CFT with Cream Grout and White Setting Base	Bathroom on 3 <sup>rd</sup> Floor	F	Good	CT Base: NAD Grout: NAD	N/A	N/A
HM 14 (HM14-1 to HM14-3)	Tan Ceiling Plaster	Bedrooms 3-1 and 3-2	F	Dam	NAD	N/A	N/A
HM 15 (HM15-1 to HM15-2)	White Exterior Window Caulk	Exterior Windows	NF	Good	NAD	N/A	N/A
HM 16 (HM16-1 to HM16-2)	White Exterior Door Caulk	Exterior Door	NF	Good	NAD	N/A	N/A
HM 17 (HM17-1 to HM17-2)	White Vinyl Siding Seam Caulk	Exterior siding	NF	Good	NAD	N/A	N/A
HM 18 (HM18-1 to HM18-2)	Black asphalt roof shingle with Black Asphalt Ice Shield and Black Felt Paper	Roof	NF	Good	NAD	N/A	N/A

<sup>1</sup> F = Friable; NF = Non-friable.

<sup>2</sup> Cond. = Condition of Materials: Either good, dam = damaged., sig. dam. = significant damage

<sup>3</sup> NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, DW = Drywall; JW = Joint Compound; VFT = Vinyl Floor Tile; CB = Cove Base; CFT = Ceramic Floor Tile; CWT = Ceramic Wall Tile; LCT = Lay-in Ceiling Tile; RSF = Resilient Sheet Flooring; SF = Square Feet.

<sup>4</sup> NESHAP Category - Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACM, Cat II NF= Category II Non-Friable ACM.

Sample identification is the HM Number followed by the Sample Number (e.g. HM1 (1-1 to 1-3))

## 5.2 LBP SCREENING RESULTS

JSK visually inspected and tested representative painted, stained, or varnished structural building components accessible at the subject property Building. LBP was detected in several interior surfaces and at least one exterior surface tested within the Building. Painted surfaces were tested using an XRF instrument operated in “Quick Mode.” XRF test readings of 0.9 milligram per square centimeter ( $\text{mg}/\text{cm}^2$ ) or below are negative for lead-based paint. XRF test readings of 1.0  $\text{mg}/\text{cm}^2$  or above are positive for lead-based paint. Painted surfaces testing greater than 1  $\text{mg}/\text{cm}^2$  (or 0.5 percent by weight) are considered to be lead-based by USEPA, HUD, and IDPH. XRF test results are included in Appendix C.

As part of the Limited LBP Inspection, painted surfaces were visually examined for general condition and were generally categorized as being in intact or deteriorated condition. The paint condition in all the rooms tested with the XRF were found to be generally intact and in good condition.

A total of 18 XRF readings of component coatings, from the structures tested had XRF readings equal to or greater than the “positive” classification of 1.0  $\text{mg}/\text{cm}^2$ . These are summarized below:

### Interior Readings

- White wooden Door Casing in Living Room (1<sup>st</sup> Floor): Reading of 7.3  $\text{mg}/\text{cm}^2$
- White wooden Baseboard in Living Room (1<sup>st</sup> Floor): Reading of 8.3  $\text{mg}/\text{cm}^2$
- White wood Pocket Door separating the Living Room and the Dining Room (1<sup>st</sup> Floor): Reading of 7.5  $\text{mg}/\text{cm}^2$
- White wooden Door Casing in Office area (1<sup>st</sup> Floor): Reading of 4.9  $\text{mg}/\text{cm}^2$
- White wooden Siding/Paneling in Office area (1<sup>st</sup> Floor): Reading of greater than 9.9  $\text{mg}/\text{cm}^2$
- Window Sash in Office area (1<sup>st</sup> Floor): Reading of 3.8  $\text{mg}/\text{cm}^2$
- Window Casing in Office area (1<sup>st</sup> Floor): Reading of 2.8  $\text{mg}/\text{cm}^2$
- Windowsill in Office area (1<sup>st</sup> Floor): Reading of 3.9  $\text{mg}/\text{cm}^2$
- Window Trough in Office area (1<sup>st</sup> Floor): Reading of 5.6  $\text{mg}/\text{cm}^2$
- White wooden Closet Door in Landin Area on 2<sup>nd</sup> Floor: Reading of 6.1  $\text{mg}/\text{cm}^2$
- Cream wooden Baseboard in Bedroom 3-2 (3<sup>rd</sup> Floor): Reading of greater than 9.9  $\text{mg}/\text{cm}^2$
- Cream wooden Handrail at Stairway on 3<sup>rd</sup> Floor: Reading of 2.9  $\text{mg}/\text{cm}^2$
- Cream wooden Spindle of Handrail at Stairway on 3<sup>rd</sup> Floor: Reading of greater than 9.9  $\text{mg}/\text{cm}^2$
- Cream wooden Door Casing in Bathroom on 3<sup>rd</sup> Floor: Reading of greater than 9.9  $\text{mg}/\text{cm}^2$
- Cream wooden Closet Door in Landin Area on 3<sup>rd</sup> Floor: Reading of 8.4  $\text{mg}/\text{cm}^2$
- White wooden Door Casing in Bedroom 3-1 (3<sup>rd</sup> Floor): Reading of greater than 9.9  $\text{mg}/\text{cm}^2$
- Cream wooden Baseboard in Bedroom 3-1 (3<sup>rd</sup> Floor): Reading of greater than 9.9  $\text{mg}/\text{cm}^2$

### Exterior Readings

- White Concrete Knee Wall in the Landing area at the Entrance to Building: Reading of 7.3  $\text{mg}/\text{cm}^2$ . The paint on this was about 10% damaged.

## Regulatory Guidelines

### LBP Definition –

The EPA and HUD defines "lead-based paint" as any "paint, surface coating that contains lead equal to or exceeding one milligram per square centimeter (1.0 mg/cm<sup>2</sup>) or 0.5% lead by weight."

### EPA – Renovation, Repair and Painting Program

EPA's Lead Renovation, Repair and Painting Rule (RRP Rule) requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in homes, child care facilities and pre-schools built before 1978 have their firm certified by EPA (or an EPA authorized state), use certified renovators who are trained by EPA-approved training providers and follow lead-safe work practices.

### OSHA –

The current OSHA standard (29 CFR 1926.62) for lead exposure in construction has a permissible exposure limit (PEL) of 50 micrograms per cubic meter of air (50 µg/m<sup>3</sup>), measured as an 8-hour time-weighted average (TWA). As with all OSHA health standards, when the PEL is exceeded, the hierarchy of controls requires employers to institute feasible engineering and work practice controls as the primary means to reduce and maintain employee exposures to levels at or below the PEL. When all feasible engineering and work practice controls have been implemented but have proven inadequate to meet the PEL, employers must nonetheless implement these controls and must supplement them with appropriate respiratory protection. The employer also must ensure that employees wear the respiratory protection provided when it is required.

### HUD –

The *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Edition)* enforce HUD's vision to reduce hazards in housing in a cost-effective manner while protecting the health of children. These guidelines are used by those who are required to identify and control lead paint hazards, as well as property owners, landlords, and child-care center operators. Helpful advice on renovations in older housing, lead-based paint inspections and risk assessments, and where to go for help can be found in the guidelines. The guidelines also outline what users have to do to meet requirements and recommendations; identify training – and if applicable, certification – required for people who conduct the work; and describe how the work should be done.

## 5.3 OTHER HAZARDOUS MATERIALS SURVEY RESULTS

A visual survey for hazardous materials was performed to determine the presence and locations of suspect hazardous materials in the subject building. No materials were found to be suspect within the interior of the subject property.

## Regulatory Guidelines

### Hazard Materials Definition –

By definition, EPA determined that some specific wastes are hazardous. These wastes are incorporated into lists published by the EPA. These lists are organized into three categories:

1. The F-list (non-specific source wastes). This list identifies wastes from common manufacturing and industrial processes, such as solvents that have been used in cleaning or degreasing operations. Because the processes producing these wastes can occur in different sectors of industry, the F-listed wastes are known as wastes from non-specific sources. Wastes included on the F-list can be found in the regulations at 40 CFR §261.31.
2. The K-list (source-specific wastes). This list includes certain wastes from specific industries, such as petroleum refining or pesticide manufacturing. Certain sludges and wastewaters from treatment and production processes in these industries are examples of source-specific wastes. Wastes included on the K-list can be found in the regulations at 40 CFR §261.32.
3. The P-list and the U-list (discarded commercial chemical products). These lists include specific commercial chemical products in an unused form. Some pesticides and some pharmaceutical products become hazardous waste when discarded. Wastes included on the P- and U-lists can be found in the regulations at 40 CFR §261.33.

Waste that have not been specifically listed may still be considered a hazardous waste if exhibits one of the four characteristics defined in 40 CFR Part 261 Subpart C - ignitability (D001), corrosivity (D002), reactivity (D003), and toxicity (D004 - D043).

1. Ignitability - Ignitable wastes can create fires under certain conditions, are spontaneously combustible, or have a flash point less than 60 °C (140 °F). Examples include waste oils and used solvents.
2. Corrosivity - Corrosive wastes are acids or bases (pH less than or equal to 2, or greater than or equal to 12.5) that are capable of corroding metal containers, such as storage tanks, drums, and barrels.
3. Reactivity - Reactive wastes are unstable under "normal" conditions. They can cause explosions, toxic fumes, gases, or vapors when heated, compressed, or mixed with water.

Toxicity - Toxic wastes are harmful or fatal when ingested or absorbed (e.g., containing mercury, lead, etc.). When toxic wastes are land disposed, contaminated liquid may leach from the waste and pollute ground water. Toxicity is defined through a laboratory procedure called the Toxicity Characteristic Leaching Procedure (TCLP) (Method 1311). The TCLP helps identify wastes likely to leach concentrations of contaminants that may be harmful to human health or the environment.

### Polychlorinated Biphenyls (PCB's)

- A visual inspection of a “representative number” of light fixtures and ballasts, and inspection for transformers, hydraulic lifts, etc. was performed to determine the possible presence of PCBs. The visual

inspection was conducted with a Phillips Advanced handheld ballast checker, which indicates whether a ballast is magnetic or electronic. The device is aimed at the light fixture and the LED turns green if the light source is powered by an electronic ballast; or turns orange if powered by an electromagnetic ballast. Electronic ballasts are non-PCB so they can be immediately ruled-out as suspect PCBs. The electromagnetic ballasts may or may not contain PCBs and are considered to be suspect PCB-containing.

**Mercury**

- A visual inspection was performed for the purpose of identifying the potential presence, location and estimated quantity of fluorescent light bulbs, mercury thermostats and exit signs.

A summary of the hazardous materials and chemicals found at the facility is as follows.

<b>Table 2: Hazardous Materials Summary – Residential Home, 1212 South Irving Street, Arlington, VA 22004</b>			
<b>Material</b>	<b>Observed Yes/No</b>	<b>Estimated Quantity</b>	<b>General Location</b>
PCB Fluorescent Light Ballasts	No	N/A	N/A
Fluorescent Light Bulbs	Yes	4 sets for a total of 8	In Kitchen and Office area on 1 <sup>st</sup> Floor
Fire Extinguishers	Yes	4	Throughout the 3 floors of the Building
Mercury Vapor Lights	No	N/A	N/A
Household Cleaning Chemicals, commercially available	Yes	Few spray bottles	Kitchen Area
Mercury Thermostats/ Thermometers	Yes	1	In Living Room
Smoke Detectors	Yes	16	Throughout the 3 floors of the Building
Fire/Emergency Lighting	Yes	17	Throughout the 3 floors of the Building
Fire Alarm System	Yes	1	In Office Area

## 6 CONCLUSIONS & RECOMMENDATIONS

### 6.1 CONCLUSIONS

#### Asbestos

ACMs were not found within the subject property Building that will be impacted by the demolition operations.

JSK did not observe any assumed ACMs within the subject property Building.

Materials with low concentrations of asbestos (trace to 1%) were not identified in the subject property Building.

#### Lead-Based Paint Screening

Lead was detected above the regulatory level for an LBP in paint tested in the subject property Building that will be impacted by the demolition operations.

#### PCB Caulking

Samples for PCB caulking and sealants were not collected within the subject property building. As indicated earlier, JSK observed that the windows had been recently replaced in the past 10 years or so and the wooden window frames did not have any caulking around them. Therefore, no caulk samples were collected for analysis of PCB's.

#### Suspect Hazardous Materials

Some hazardous materials were identified in the Subject Property Building that will be impacted by the demolition operations.

### 6.2 RECOMMENDATIONS

The following recommendations are provided for the Asbestos, LBP or other Hazardous Materials that were detected or identified during this investigation.

#### Asbestos

Asbestos was not detected in the suspect materials identified during this investigation and no materials were assumed to be ACM. Should suspect materials not sampled as part of this survey be discovered during the demolition, they must be treated as ACM until sampling and analysis prove otherwise.

#### Lead Paint

Several approaches can be taken when dealing with LBP and leaded coatings that are intact and in good condition. LBP/leaded coatings can be removed, encapsulated, or enclosed. Worker protection and construction of an airtight containment around the work site, with few exceptions, are required where there is a disturbance. Depending on the abatement technique, airborne lead concentrations may be generated that may exceed the OSHA Lead in Construction Standard (29 CFR 1926.62).



Waste resulting from LBP coated component removal or removal of LBP by chemical stripping/mechanical removal is likely to result in the requirement for disposal in a hazardous waste facility. All lead paint and debris, whether from chemical or mechanical removal from its substrate, or whole component removal, must be tested to determine proper disposal. Waste characterization testing should be performed on all materials prior to making a disposal decision. Materials that are to be disposed of should be tested by the Toxicity Characteristic Leachate Procedure (TCLP) per EPA requirements to determine disposal requirements.

Note: OSHA regulates workers exposure to lead paint concentrations in any detectable amount. Therefore, in order to satisfy OSHA requirements, worker protection and monitoring may be required for work activities that disturb paints that contain lead in any amount. In accordance with the OSHA Construction Standard for Lead (29 CFR 1926.62), it is the contractors' responsibility to protect their workers when an employee may be occupationally exposed to lead.

#### **PCB Caulking**

Based on the findings of this assessment, no further action is required for PCBs at the Subject Property.

#### **Other Hazardous Materials**

JSK recommends disposing the hazardous materials identified on the site in accordance with applicable regulations. Any unknown containers present on the site need to be verified through testing followed by proper disposal in accordance with applicable regulations.



## **APPENDIX A – REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS AND CHAIN OF CUSTODY**



# EMSL Analytical, Inc.

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EMSL Order: 192011552

Customer ID: JSKE75

Customer PO:

Project ID: Arlington County

**Attention:** Nand Kaushik  
JSK Environmental Services, LLC  
13130 Peach Leaf Place  
Fairfax, VA 22030

**Phone:** (703) 980-0573

**Fax:**

**Received Date:** 11/20/2020 11:29 AM

**Analysis Date:** 11/20/2020

**Collected Date:** 11/19/2020

**Project:** JSK-2020-86 (Arlington County)

## 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
HM1-1-Floor Tile <small>192011552-0001</small>	KIT, LAUNDRY	Tan/Variou/Black Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
HM1-1-Mastic <small>192011552-0001A</small>	KIT, LAUNDRY	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM1-2-Floor Tile <small>192011552-0002</small>	KIT, LAUNDRY - TAN 18X18 VFT W/ CREAM MSTC	Tan/Variou/Black Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
HM1-2-Mastic <small>192011552-0002A</small>	KIT, LAUNDRY - TAN 18X18 VFT W/ CREAM MSTC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM2-1-Joint Compound <small>192011552-0003</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - WHITE WALL DRYWALL W/ WHITE JOINT CMPD	White Non-Fibrous Heterogeneous		12% Mica 88% Non-fibrous (Other)	None Detected
HM2-1-Drywall <small>192011552-0003A</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - WHITE WALL DRYWALL W/ WHITE JOINT CMPD	Brown/Gray/Variou Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
HM2-2-Joint Compound <small>192011552-0004</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - WHITE WALL DRYWALL W/ WHITE JOINT CMPD	White/Variou Non-Fibrous Heterogeneous		12% Mica 88% Non-fibrous (Other)	None Detected
HM2-2-Drywall <small>192011552-0004A</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - WHITE WALL DRYWALL W/ WHITE JOINT CMPD	Brown/Gray Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
HM2-3-Joint Compound <small>192011552-0005</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - WHITE WALL DRYWALL W/ WHITE JOINT CMPD	White Non-Fibrous Heterogeneous		12% Mica 88% Non-fibrous (Other)	None Detected
HM2-3-Drywall <small>192011552-0005A</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - WHITE WALL DRYWALL W/ WHITE JOINT CMPD	Brown/Gray Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
HM3-1-Joint Compound <small>192011552-0006</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - CEIL DRYWALL W/ JOINT CMPD	White Fibrous Heterogeneous	15% Glass	12% Mica 73% Non-fibrous (Other)	None Detected
HM3-1-Drywall <small>192011552-0006A</small>	DINING RM, BEDRM 2-2, BEDRM 3-2 - CEIL DRYWALL W/ JOINT CMPD	Brown/Gray Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected

Initial report from: 11/25/2020 11:54:13



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EMSL Order: 192011552

Customer ID: JSKE75

Customer PO:

Project ID: Arlington County

## 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
HM3-2-Joint Compound 192011552-0007	DINING RM, BEDRM 2-2, BEDRM 3-2 - CEIL DRYWALL W/ JOINT CMPD	White Non-Fibrous Heterogeneous		12% Mica 88% Non-fibrous (Other)	None Detected
HM3-2-Drywall 192011552-0007A	DINING RM, BEDRM 2-2, BEDRM 3-2 - CEIL DRYWALL W/ JOINT CMPD	Brown/Gray Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
HM3-3-Joint Compound 192011552-0008	DINING RM, BEDRM 2-2, BEDRM 3-2 - CEIL DRYWALL W/ JOINT CMPD	White Non-Fibrous Heterogeneous		12% Mica 88% Non-fibrous (Other)	None Detected
HM3-3-Drywall 192011552-0008A	DINING RM, BEDRM 2-2, BEDRM 3-2 - CEIL DRYWALL W/ JOINT CMPD	Brown/Gray Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
HM4-1 192011552-0009	KIT, BEDRM 1-3 - WHITE INT DOOR CAULK	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM4-2 192011552-0010	KIT, BEDRM 1-3 - WHITE INT DOOR CAULK	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM5-1 192011552-0011	KIT, BEDRM 1-3 - WHITE INT WINDOW CAULK	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM5-2 192011552-0012	KIT, BEDRM 1-3 - WHITE INT WINDOW CAULK	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM6-1-Cove Base 192011552-0013	KIT - BLK 4" VINYL COVE BASE W/ CREAM MSTC	Black Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
HM6-1-Mastic 192011552-0013A	KIT - BLK 4" VINYL COVE BASE W/ CREAM MSTC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM6-2-Cove Base 192011552-0014	KIT - BLK 4" VINYL COVE BASE W/ CREAM MSTC	Black Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
HM6-2-Mastic 192011552-0014A	KIT - BLK 4" VINYL COVE BASE W/ CREAM MSTC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM7-1 192011552-0015	KIT - LT GRAY SINK BOWL COATING	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
HM7-2 192011552-0016	KIT - LT GRAY SINK BOWL COATING	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
HM8-1 192011552-0017	LIVING RM, OFFICE - TAN CARPET GLUE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM8-2 192011552-0018	LIVING RM, OFFICE - TAN CARPET GLUE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM9-1-Flooring 192011552-0019	BEDRM 1-2, BEDRM 1-3 - TAN FAUX WOOD PATTERN VINYL PLANK FLOORING W/ CREAM MSTC	Tan/Various/Black Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial report from: 11/25/2020 11:54:13



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10768 Baltimore Avenue Beltsville, MD 20705

Tel/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com/beltsvillelab@emsl.com>

**EMSL Order:** 192011552  
**Customer ID:** JSKE75  
**Customer PO:**  
**Project ID:** Arlington County

## 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
HM9-1-Mastic 192011552-0019A	BEDRM 1-2, BEDRM 1-3 - TAN FAUX WOOD PATTERN VINYL PLANK FLOORING W/ CREAM MSTC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM9-2-Flooring 192011552-0020	BEDRM 1-2, BEDRM 1-4 - TAN FAUX WOOD PATTERN VINYL PLANK FLOORING W/ CREAM MSTC	Tan/Various/Black Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
HM9-2-Mastic 192011552-0020A	BEDRM 1-2, BEDRM 1-4 - TAN FAUX WOOD PATTERN VINYL PLANK FLOORING W/ CREAM MSTC	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM10-1 192011552-0021	BATHRM, 1ST OFFICE - LT GRAY GROUT/WHITE SETTING BASE	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
HM10-2 192011552-0022	BATHRM, 1ST OFFICE - LT GRAY GROUT/WHITE SETTING BASE	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
HM11-1 192011552-0023	SHOWER, 1ST FL - GRAY GROUT/GRAY SETTING BASE	Gray/Various Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
HM11-2 192011552-0024	SHOWER, 1ST FL - GRAY GROUT/GRAY SETTING BASE	Gray/Various Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
HM12-1 192011552-0025	BATH 2-1 - TAN GROUT/WHITE SETTING BASE	Tan/White Non-Fibrous Heterogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
HM12-2 192011552-0026	BATH 2-2 - TAN GROUT/WHITE SETTING BASE	Tan/White Non-Fibrous Heterogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
HM13-1 192011552-0027	3RD FL BATH - CREAM GROUT/WHITE SETTING BASE	Gray/Tan Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
HM13-2 192011552-0028	3RD FL BATH - CREAM GROUT/WHITE SETTING BASE	Gray/Tan Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
HM14-1 192011552-0029	3RD FL - TAN CEIL PLSTR	Brown/Tan/Various Non-Fibrous Heterogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
HM14-2 192011552-0030	3RD FL - TAN CEIL PLSTR	Brown/Tan/Various Non-Fibrous Heterogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
HM14-3 192011552-0031	3RD FL - TAN CEIL PLSTR	Brown/Tan/Various Non-Fibrous Heterogeneous		60% Quartz 40% Non-fibrous (Other)	None Detected
HM15-1 192011552-0032	EXT LIVING RM, EXT BEDRM 1-3 - WHITE EXT WINDOW CAULK	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 11/25/2020 11:54:13



# EMSL Analytical, Inc.

10768 Baltimore Avenue Beltsville, MD 20705

Tel/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com/beltsvillelab@emsl.com>

**EMSL Order:** 192011552  
**Customer ID:** JSKE75  
**Customer PO:**  
**Project ID:** Arlington County

## 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
HM15-2 192011552-0033	EXT LIVING RM, EXT BEDRM 1-4 - WHITE EXT WINDOW CAULK	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM16-1 192011552-0034	EXT OFFICE, EXT 2ND FL STAIRWELL - WHITE EXT DOOR CAULK	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM16-2 192011552-0035	EXT OFFICE, EXT 2ND FL STAIRWELL - WHITE EXT DOOR CAULK	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM17-1 192011552-0036	RIGHT REAR CORNER, LEFT SIDE CHIMNEY - WHITE VINYL SIDING SEAM/CAULK	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM17-2 192011552-0037	RIGHT REAR CORNER, LEFT SIDE CHIMNEY - WHITE VINYL SIDING SEAM/CAULK	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HM18-1 192011552-0038	ROOF - BLK ASPHALT ROOF SHINGLE W/ BLK ASPHALT ICE SHEILD & BLK FELT PAPER	White/Various/Blac k Fibrous Heterogeneous	40% Glass	10% Quartz 45% Ca Carbonate 5% Non-fibrous (Other)	None Detected
HM18-1 192011552-0039	ROOF - BLK ASPHALT ROOF SHINGLE W/ BLK ASPHALT ICE SHEILD & BLK FELT PAPER	White/Various/Blac k Fibrous Heterogeneous	40% Glass	10% Quartz 45% Ca Carbonate 5% Non-fibrous (Other)	None Detected

Analyst(s)  
William Chrobak (51)

Joe Centifonti, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from: 11/25/2020 11:54:13



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Asbestos Bulk Building Material Chain of Custody**  
EMSL Order Number (lab use only):

*Please Note ↓↓*  
ARLINGTON COUNTY PROJECT

192011552

Company Name: JSK Environmental Services, LLC		EMSL Customer ID	
Street: 13130 Peach Leaf Place		City: Fairfax	
Zip/Postal Code: 22030	Country: Fairfax	Telephone #: 703-980-0573	Fax #
Report To (Name): Nand Kaushik		Please Provide Results via: <input checked="" type="checkbox"/> Fax <input type="checkbox"/> Email	
email Address: nand@jskenvironmental.com		Purchase Order Number:	
Client Project ID: JSK-2020-86		EMSL Project ID (internal use only)	
State or Province Collected: Arlington, VA		CT only <input type="checkbox"/> Commercial/Taxable <input checked="" type="checkbox"/> Residential/Tax Exempt <input type="checkbox"/>	
EMSL-Bill to <input type="checkbox"/> Same <input type="checkbox"/> Different - If bill to is different note instructions in comment. Third party billing requires written authorization from third party			
Turnaround Time (TAT) Options Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input checked="" type="checkbox"/> 32 Hour* <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
<small>32 Hour TAT available for select tests only. samples must be submitted by 11:30am Please call ahead for large projects and/or turnaround times 6 hours or less</small>			
<b>PLM - Bulk (reporting limit)</b>		<b>TEM - Bulk</b>	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 300 (<0.25%) <input checked="" type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input checked="" type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1- friable - NY <input type="checkbox"/> NY ELAP Method 198.6 NOB - non-friable - NY <input type="checkbox"/> NY ELAP Method 198.8- Vermiculite Surfacing Material <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> <input type="checkbox"/> EMSL Standard Addition Method		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 non-friable - NY <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique <input type="checkbox"/> <u>O</u> ther tests (please specify)	
<input checked="" type="checkbox"/> Positive Stop - Clearly Identify Homogenous Areas (HA)		Date Sampled: November 19, 2020	
Sampler's Name: Nand Kaushik and Michael Allspace		Sampler's Signature: <i>[Signature]</i>	
Sample #	HA #	Sample Location	Material Description
HM1-1	1	Kitchen, Laundry	
HM1-2	1	Kitchen, Laundry	Tan 18X18 VFT with Cream Mastic
HM2-1	2	Dining Room, Bedroom 2-2, Bedroom 3-2	White Wall Drywall with White Joint Compound
HM2-2	2	Dining Room, Bedroom 2-2, Bedroom 3-2	White Wall Drywall with White Joint Compound
HM2-3	2	Dining Room, Bedroom 2-2, Bedroom 3-2	White Wall Drywall with White Joint Compound
HM3-1	3	Dining Room, Bedroom 2-2, Bedroom 3-2	Ceiling Drywall with Joint Compound
HM3-2	3	Dining Room, Bedroom 2-2, Bedroom 3-2	Ceiling Drywall with Joint Compound
HM3-3	3	Dining Room, Bedroom 2-2, Bedroom 3-2	Ceiling Drywall with Joint Compound
HM4-1	4	Kitchen, Bedroom 1-3	White Interior Door Caulk
HM4-2	4	Kitchen, Bedroom 1-3	White Interior Door Caulk
HM5-1	5	Kitchen, Bedroom 1-3	White Interior Window Caulk
HM5-2	5	Kitchen, Bedroom 1-3	White Interior Window Caulk
HM6-1	6	Kitchen	Black 4" Vinyl Core Base with Cream Mastic
HM6-2	6	Kitchen	Black 4" Vinyl Core Base with Cream Mastic
HM7-1	7	Kitchen	Light Gray Sink Bowl Coating
HM7-2	7	Kitchen	Light Gray Sink Bowl Coating
HM8-1	8	Living Room, Office	Tan Carpet Glue
HM8-2	8	Living Room, Office	Tan Carpet Glue
HM9-1	9	Bedroom 1-2, Bedroom 1-3	Tan Faux Wood Pattern Vinyl Plank Flooring with Cream Mastic
HM9-2	9	Bedroom 1-2, Bedroom 1-4	Tan Faux Wood Pattern Vinyl Plank Flooring with Cream Mastic

RECEIVED  
 EMSL ANALYTICAL, INC.  
 BELTSVILLE, MD  
 2020 NOV 20 A 11: 29

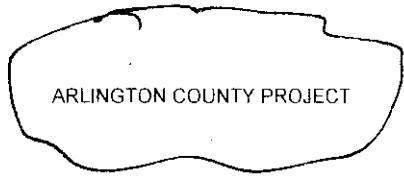


EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material

Chain of Custody

EMSL Order Number (lab use only)



ARLINGTON COUNTY PROJECT

Sample #	HA #	Sample Location	Material Description
HM10-1	10	Bathroom, 1st floor	Light Gray Grout/White Setting Base
HM10-2	10	Bathroom, 1st Floor	Light Gray Grout/White Setting Base
HM11-1	11	Shower, 1st Floor	Gray Grout/Gray Setting Base
HM11-2	11	Shower, 1st Floor	Gray Grout/Gray Setting Base
HM12-1	12	Bath 2-1	Tan Grout/White Setting Base
HM12-2	12	Bath 2-2	Tan Grout/White Setting Base
HM13-1	13	3rd Floor Bath	Cream Grout/White Setting Base
HM13-2	13	3rd Floor Bath	Cream Grout/White Setting Base
HM14-1	14	3rd Floor	Tan Ceiling Plaster
HM14-2	14	3rd Floor	Tan Ceiling Plaster
HM14-3	14	3rd Floor	Tan Ceiling Plaster
HM15-1	15	Exterior Living Room, Exterior Bedroom 1-3	White Exterior Window Caulk
HM15-2	15	Exterior Living Room, Exterior Bedroom 1-4	White Exterior Window Caulk
HM16-1	16	Exterior Office, Exterior 2nd Floor Stairwell	White Exterior Door Caulk
HM16-2	16	Exterior Office, Exterior 2nd Floor Stairwell	White Exterior Door Caulk
HM17-1	17	Right Rear Corner, Left Side Chimney	White Vinyl Siding Seam Caulk
HM17-2	17	Right Rear Corner, Left Side Chimney	White Vinyl Siding Seam Caulk
HM18-1	18	Roof	Black Asphalt Roof Shingle w/Black Asphalt Ice Shield & Black Felt Paper
HM18-1	18	Roof	Black Asphalt Roof Shingle w/Black Asphalt Ice Shield & Black Felt Paper
Client Sample # (s)		Total # of Samples. <b>39</b>	
Relinquished by (Client): <i>Nana A. Kawanishi</i>		Date: <b>11-20-2020</b>	Time:
Received by (Lab): <i>[Signature]</i>		Date: <b>11/20/20</b>	Time: <b>11:29 am</b>
Comments/Special Instructions			





## BULK SAMPLING LOG

**BUILDING:** Residence at 1212 S Irving Street, Arlington, VA, 22004

**DATE:** November 19, 2020

**ROOM:** Entire Subject Property

**INSPECTOR:** Michael Allshouse and Nand Kaushik

Material Description	Sample Location	ACBM Type	Quantity	Friable (Y/N/X)
Tan 18X18 VFT with Cream Mastic	Kitchen	Miscellaneous	175 SF	N
Tan 18X18 VFT with Cream Mastic	Laundry	Miscellaneous		N
White Wall Drywall with White Joint Compound	Dining Room	Miscellaneous	1600 SF	Y
White Wall Drywall with White Joint Compound	Bedroom 2-2	Miscellaneous		Y
White Wall Drywall with White Joint Compound	Bedroom 3-2	Miscellaneous		Y
Ceiling Drywall with Joint Compound	Dining Room	Miscellaneous	1750 SF	Y
Ceiling Drywall with Joint Compound	Bedroom 2-2	Miscellaneous		Y
Ceiling Drywall with Joint Compound	Bedroom 2-2	Miscellaneous		Y
White Interior Door Caulk	Kitchen	Miscellaneous	25 LF	N
White Interior Door Caulk	Bedroom 1-3	Miscellaneous		N
White Interior Window Caulk	Kitchen	Miscellaneous	15 LF	N
White Interior Window Caulk	Bedroom 1-3	Miscellaneous		N
Black 4" Vinyl Cove Base with Cream Mastic	Kitchen	Miscellaneous	50 LF	N
Black 4" Vinyl Cove Base with Cream Mastic	Kitchen	Miscellaneous		N
Light Gray Sink Bowl Coating	Kitchen	Miscellaneous	12 SF	N
Light Gray Sink Bowl Coating	Kitchen	Miscellaneous		N
Tan Carpet Glue	Living Room	Miscellaneous	450 SF	N
Tan Carpet Glue	Office	Miscellaneous		N
Tan Faux Wood Pattern Vinyl Plank Flooring with Cream Mastic	Bedroom 1-2	Miscellaneous	150 SF	N
Tan Faux Wood Pattern Vinyl Plank Flooring with Cream Mastic	Bedroom 1-3	Miscellaneous		N
Light Gray Grout/White Setting Base	Bathroom	Miscellaneous	50 SF	Y
Light Gray Grout/White Setting Base	Bathroom	Miscellaneous		Y
Gray Grout/Gray Setting Base	Shower	Miscellaneous	50 SF	Y
Gray Grout/Gray Setting Base	Shower	Miscellaneous		Y



## BULK SAMPLING LOG

**BUILDING:** Residence at 1212 S Irving Street, Arlington, VA, 22004

**DATE:** November 19, 2020

**ROOM:** Entire Subject Property

**INSPECTOR:** Michael Allshouse and Nand Kaushik

Material Description	Sample Location	ACBM Type	Quantity	Friable (Y/N/X)
Tan Grout/White Setting Base	Bath 2-1	Miscellaneous	65 SF	Y
Tan Grout/White Setting Base	Bath 2-2	Miscellaneous		Y
Cream Grout/White Setting Base	3rd Floor Bath	Miscellaneous	50 SF	Y
Cream Grout/White Setting Base	3rd Floor Bath	Miscellaneous		Y
Tan Ceiling Plaster	3rd Floor	Miscellaneous	225 SF	Y
Tan Ceiling Plaster	3rd Floor	Miscellaneous		Y
Tan Ceiling Plaster	3rd Floor	Miscellaneous		Y
White Exterior Window Caulk	Exterior Living Room	Miscellaneous	65 LF	N
White Exterior Window Caulk	Exterior Bedroom 1-3	Miscellaneous		N
White Exterior Door Caulk	Exterior Office	Miscellaneous	15 LF	N
White Exterior Door Caulk	Exterior 2nd Floor Stairwell	Miscellaneous		N
White Vinyl Siding Seam Caulk	Right Rear Corner	Miscellaneous	25 LF	N
White Vinyl Siding Seam Caulk	Left Side Chimney	Miscellaneous		N
Black Asphalt Roof Shingle w/Black Asphalt Ice Shield & Black Felt Paper	Roof	Miscellaneous	2250 SF	N
Black Asphalt Roof Shingle w/Black Asphalt Ice Shield & Black Felt Paper	Roof	Miscellaneous		N

**Friability:**

**Assessment Category:**

Y = Friable  
 N = Nonfriable  
 X = not applicable (non-ACBM)

1 = Damaged or Significantly damaged TSI ACBM  
 3 = Significantly damaged friable surfacing ACBM  
 5 = ACBM with potential for damage  
 7 = Any remaining friable ACBM

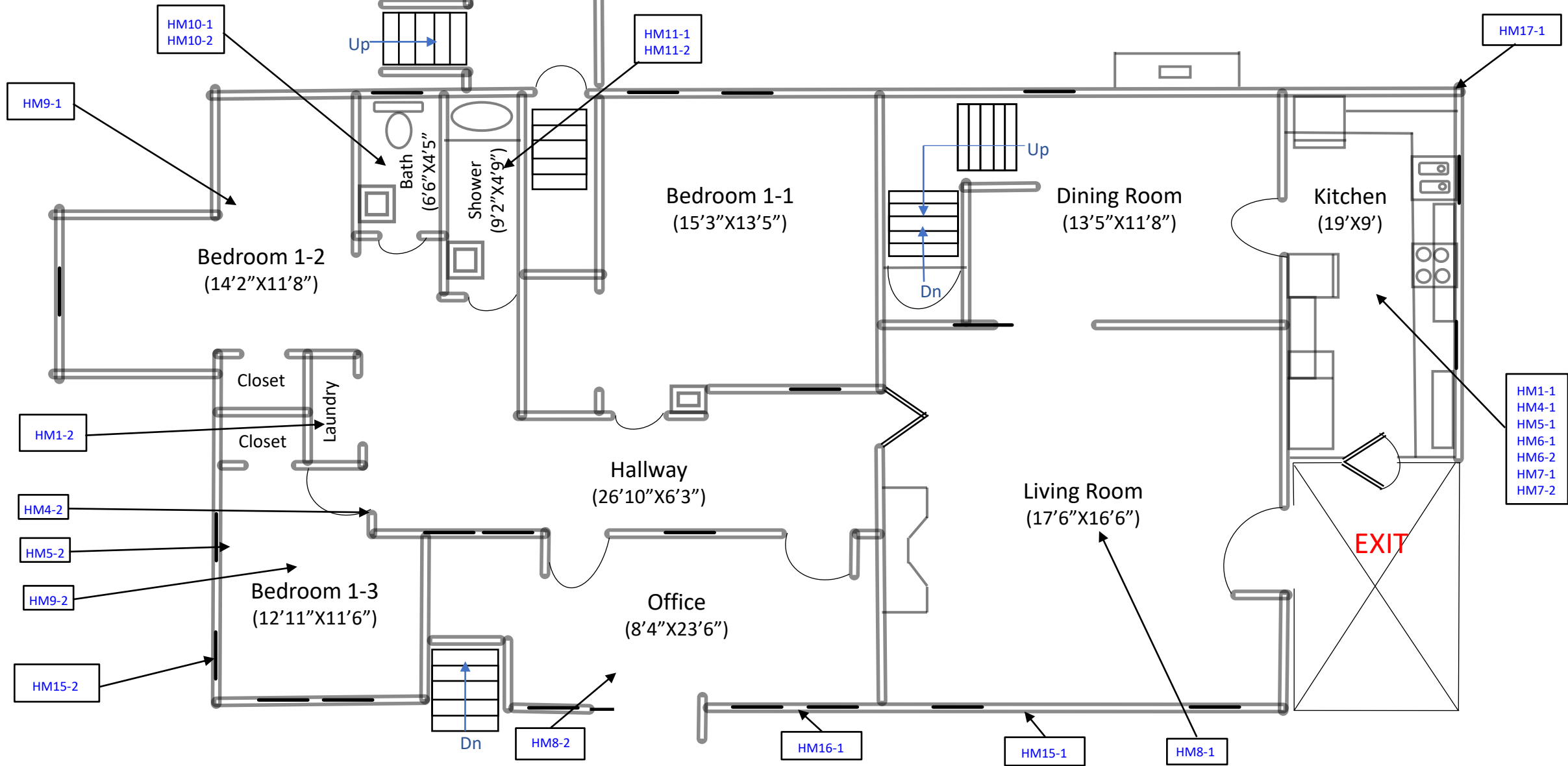
2 = Damaged friable surfacing ACBM  
 4 = Damaged or significantly damaged friable miscellaneous ACBM  
 6 = ACBM with potential for significant damage  
 X = not applicable (material is non-ACBM or nonfriable surfacing or miscellaneous material)

SF = Square Feet  
 LF = Linear Feet



## **APPENDIX B – SITE LAYOUT AND ACM SAMPLE LOCATION DRAWING**

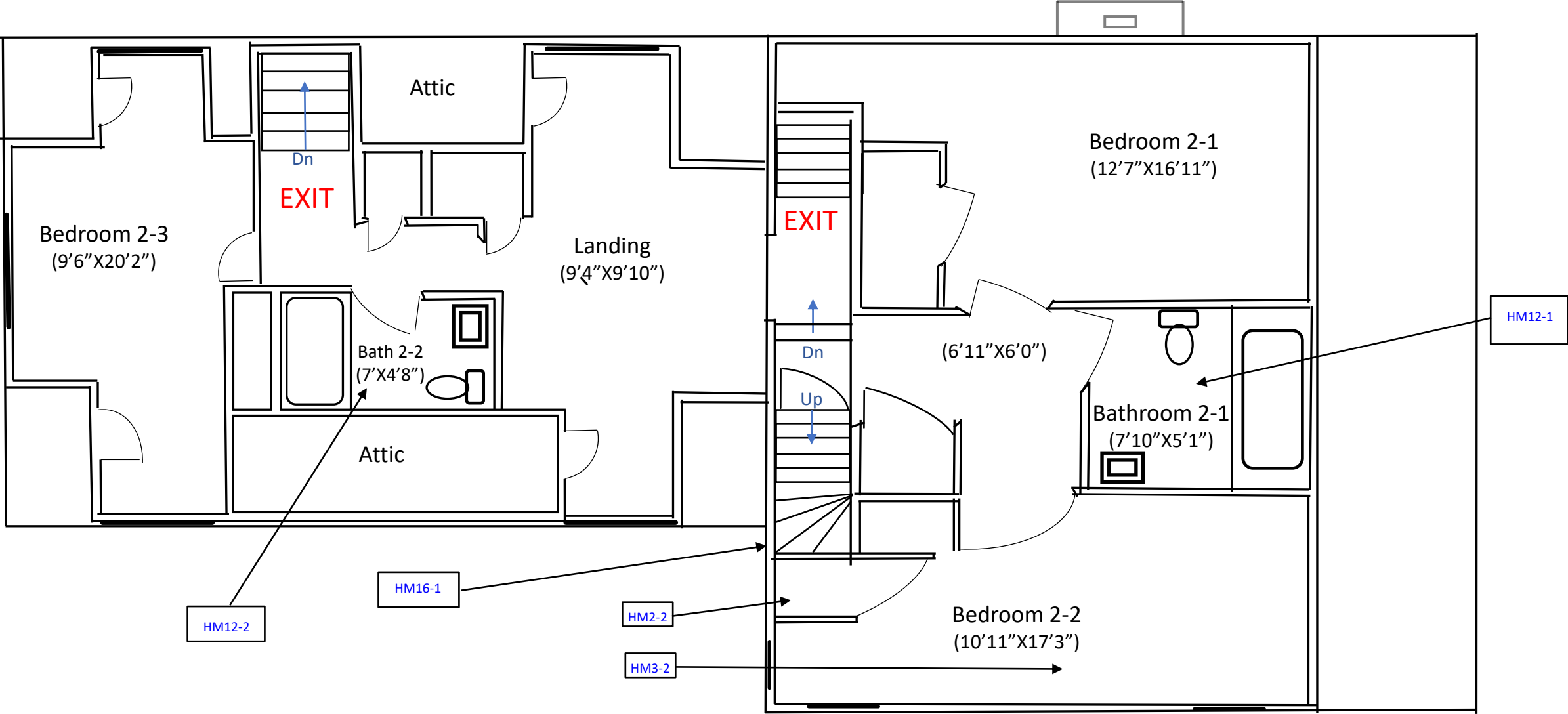
# 1<sup>st</sup> Floor



LEGEND	
#-#	- Bulk Sample Location (non-ACM)

**FIGURE 1**  
ACM Sample Location Site Map (Not to Scale)


# 2nd Floor



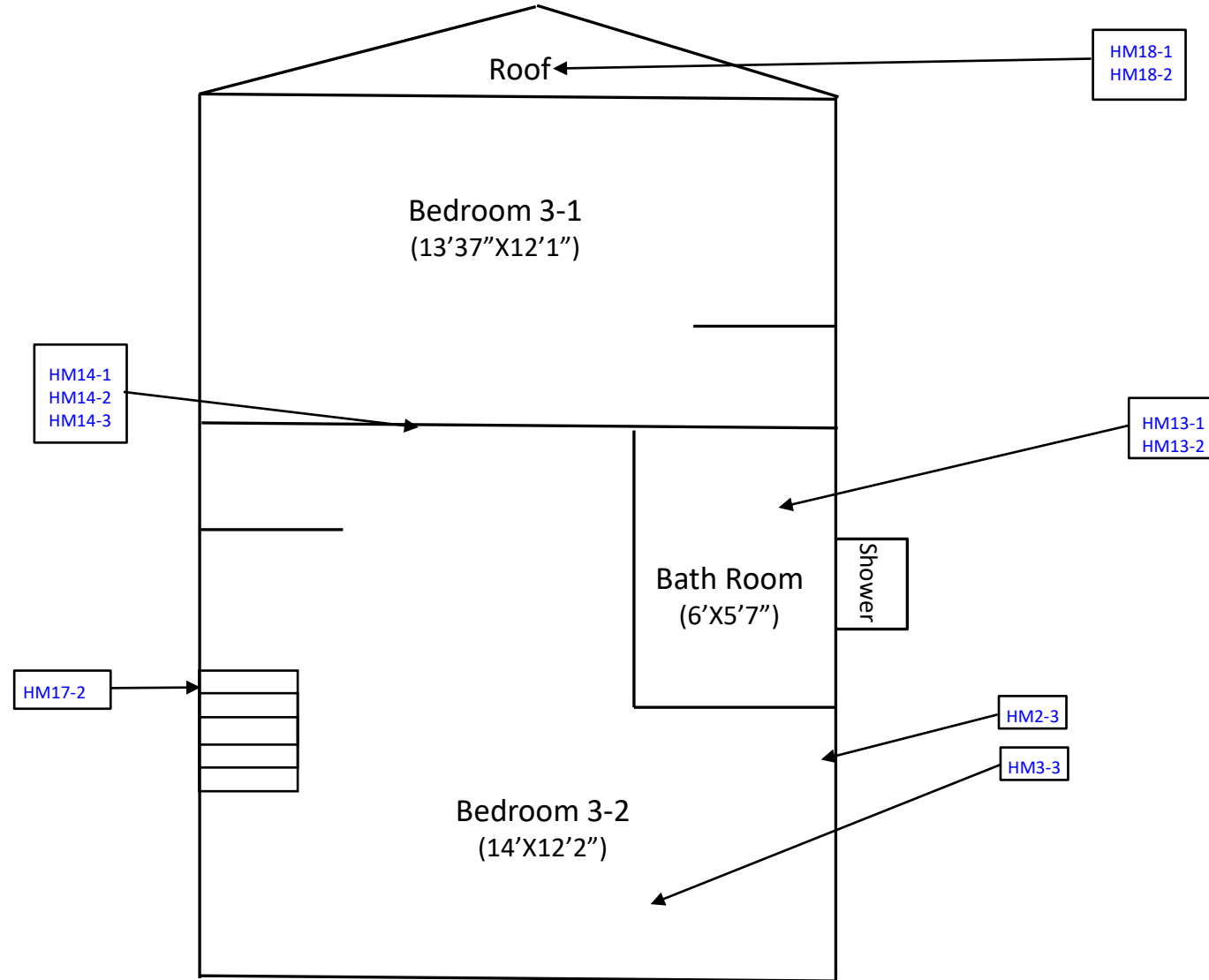
**LEGEND**  
 # -# - Bulk Sample Location (non-ACM)

**FIGURE 2**  
 ACM Sample Location Site Map (Not to Scale)

JSK Project No. : JSK-2020-86  
 1212 S. Irving St., Arlington, VA 22201



# 3rd Floor



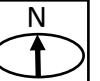
## LEGEND

#-# - Bulk Sample Location (non-ACM)

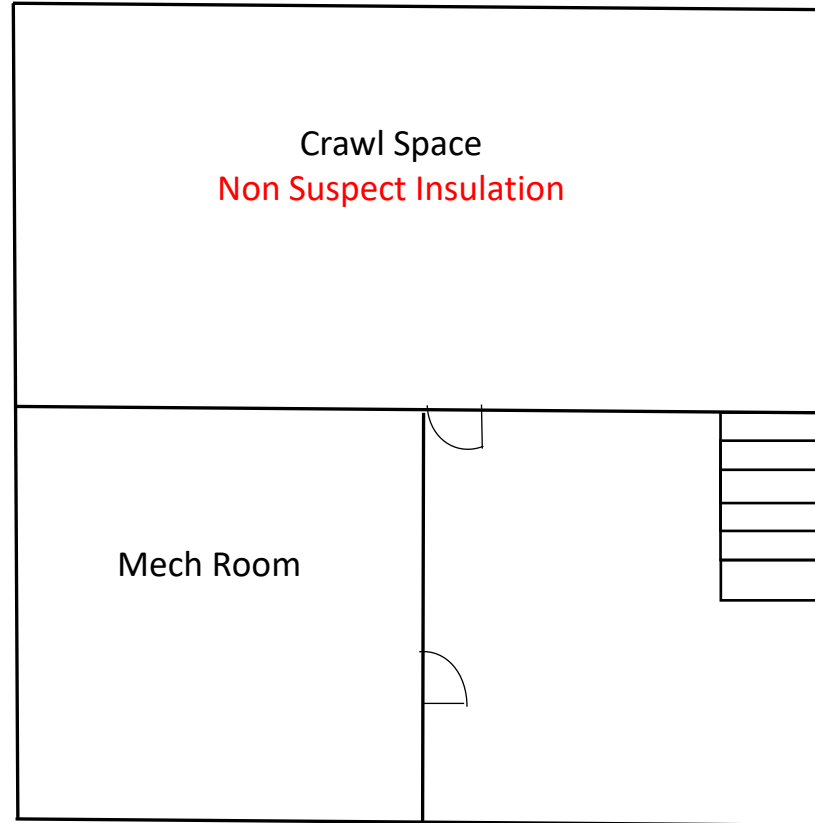
## FIGURE 3

ACM Sample Location Site Map (Not to Scale)

JSK Project No. : JSK-2020-86  
1212 S. Irving St., Arlington, VA 22201



# Basement



No Samples Collected

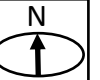
## LEGEND

#-# - Bulk Sample Location (non-ACM)

## FIGURE 4

ACM Sample Location Site Map (Not to Scale)

JSK Project No. : JSK-2020-86  
1212 S. Irving St., Arlington, VA 22201





## **APPENDIX C – XRF SURVEY RESULTS FOR LBP ASSESSMENT AND LBP LOCATION DRAWING**



**Table 1: Lead Based Paint Survey XRF Readings**

Project Number: JSK-2020-86  
 Project: Residential Home  
 Address: 1212 S Irving Sty  
Arlington, VA 22207  
 XRF Unit Started: 10.05 am

Date: November 19, 2020  
 Operator: Michael Allshouse  
 XRF Total Readings: \_\_\_\_\_  
 XRF Unit Ended: 11.30 am

Reading Date	Reading Number	Interior/ Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	1		Calibration					1.0	Average of 0.9
11/19/2020	2		Calibration					0.9	
11/19/2020	3		Calibration					1.0	
11/19/2020	4	Interior	Kitchen (1 <sup>st</sup> Floor)	Door (Entrance to outside)	Metal	White	Intact	0.2	Negative
11/19/2020	5	Interior	Kitchen (1 <sup>st</sup> Floor)	Door casing	Wood	White	Intact	0.2	Negative
11/19/2020	6	Interior	Kitchen (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	- 0.1	Negative
11/19/2020	7	Interior	Kitchen (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.3	Negative
11/19/2020	8	Interior	Kitchen (1 <sup>st</sup> Floor)	Radiator	Metal	White	Intact	0.4	Negative
11/19/2020	9	Interior	Kitchen (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	10	Interior	Kitchen (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	- 0.0	Negative
11/19/2020	11	Interior	Kitchen (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.1	Negative
11/19/2020	12	Interior	Kitchen (1 <sup>st</sup> Floor)	Window Trim	Wood	White	Intact	- 0.0	Negative
11/19/2020	13	Interior	Dining Room (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	- 0.1	Negative
11/19/2020	14	Interior	Dining Room (1 <sup>st</sup> Floor)	Wall	Wood	White	Intact	- 0.2	Negative
11/19/2020	15	Interior	Dining Room (1 <sup>st</sup> Floor)	Baseboard	Wood	White	Intact	- 0.1	Negative
11/19/2020	16	Interior	Dining Room (1 <sup>st</sup> Floor)	Radiator	Metal	White	Intact	- 0.0	Negative
11/19/2020	17	Interior	Dining Room (1 <sup>st</sup> Floor)	Ceiling	Wood	White	Intact	- 0.2	Negative
11/19/2020	18	Interior	Dining Room (1 <sup>st</sup> Floor)	Door	Metal	White	Intact	0.2	Negative
11/19/2020	19	Interior	Dining Room (1 <sup>st</sup> Floor)	Door Casing	Metal	White	Intact	- 0.1	Negative
11/19/2020	20	Interior	Dining Room (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	21	Interior	Dining Room (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	- 0.1	Negative

Reading Date	Reading Number	Interior/Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	22	Interior	Dining Room (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.1	Negative
11/19/2020	23	Interior	Dining Room (1 <sup>st</sup> Floor)	Window Apron	Wood	White	Intact	- 0.1	Negative
11/19/2020	24	Interior	Dining Room (1 <sup>st</sup> Floor)	Conduit	Metal	White	Intact	- 0.1	Negative
11/19/2020	25	Interior	Dining Room (1 <sup>st</sup> Floor)	Door	Metal	White	Intact	- 0.1	Negative
11/19/2020	26	Interior	Living Room (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	7.3	Positive
11/19/2020	27	Interior	Living Room (1 <sup>st</sup> Floor)	Baseboard	Wood	White	Intact	8.3	Positive
11/19/2020	28	Interior	Living Room (1 <sup>st</sup> Floor)	Radiator	Metal	White	Intact	0.5	Negative
11/19/2020	29	Interior	Living Room (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.3	Negative
11/19/2020	30	Interior	Living Room (1 <sup>st</sup> Floor)	Fireplace	Brick	White	Intact	- 0.3	Negative
11/19/2020	31	Interior	Living Room (1 <sup>st</sup> Floor)	Panel Molding	Wood	White	Intact	- 0.1	Negative
11/19/2020	32	Interior	Living Room (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	33	Interior	Living Room (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	0.1	Negative
11/19/2020	34	Interior	Living Room (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.1	Negative
11/19/2020	35	Interior	Living Room (1 <sup>st</sup> Floor)	Window Apron	Wood	White	Intact	- 0.2	Negative
11/19/2020	36	Interior	Living Room (1 <sup>st</sup> Floor)	Pocket Door	Wood	White	Intact	7.5	Positive
11/19/2020	37	Interior	Living Room (1 <sup>st</sup> Floor)	Pocket Door Casing	Wood	White	Intact	0.1	Negative
11/19/2020	38	Interior	Hallway (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	0.0	Negative
11/19/2020	39	Interior	Hallway (1 <sup>st</sup> Floor)	Baseboard	Wood	White	Intact	- 0.4	Negative
11/19/2020	40	Interior	Hallway (1 <sup>st</sup> Floor)	Wood Paneling	Wood	White	Intact	0.1	Negative
11/19/2020	41	Interior	Hallway (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	0.0	Negative
11/19/2020	42	Interior	Hallway (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.4	Negative
11/19/2020	43	Interior	Hallway (1 <sup>st</sup> Floor)	Radiator	Metal	White	Intact	- 0.3	Negative
11/19/2020	44	Interior	Hallway (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	45	Interior	Hallway (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	- 0.2	Negative
11/19/2020	46	Interior	Hallway (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.2	Negative
11/19/2020	47	Interior	Hallway (1 <sup>st</sup> Floor)	Window Apron	Wood	White	Intact	0.0	Negative
11/19/2020	48	Interior	Hallway (1 <sup>st</sup> Floor)	Ceiling Trim	Wood	White	Intact	- 0.1	Negative
11/19/2020	49	Interior	Office (1 <sup>st</sup> Floor)	Door	Wood	White	Intact	- 0.2	Negative
11/19/2020	50	Interior	Office (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	4.9	Positive

Reading Date	Reading Number	Interior/Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	51	Interior	Office (1 <sup>st</sup> Floor)	Siding/Paneling	Wood	White	Intact	9.9	Positive
11/19/2020	52	Interior	Office (1 <sup>st</sup> Floor)	Siding/Paneling	Wood	White	Intact	9.9	Positive
11/19/2020	53	Interior	Office (1 <sup>st</sup> Floor)	Siding/Paneling	Wood	White	Intact	5.0	Positive
11/19/2020	54	Interior	Office (1 <sup>st</sup> Floor)	Ceiling	Wood	White	Intact	- 0.1	Negative
11/19/2020	55	Interior	Office (1 <sup>st</sup> Floor)	Wall	Wood	White	Intact	- 0.3	Negative
11/19/2020	56	Interior	Office (1 <sup>st</sup> Floor)	Entrance Door	Wood	White	Intact	- 0.2	Negative
11/19/2020	57	Interior	Office (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	- 0.1	Negative
11/19/2020	58	Interior	Office (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	3.8	Positive
11/19/2020	59	Interior	Office (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	2.8	Positive
11/19/2020	60	Interior	Office (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	3.9	Positive
11/19/2020	61	Interior	Office (1 <sup>st</sup> Floor)	Window Trough	Wood	White	Intact	5.6	Positive
11/19/2020	62	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Door	Metal	White	Intact	- 0.0	Negative
11/19/2020	63	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	- 0.3	Negative
11/19/2020	64	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Wall	Drywall	Blue	Intact	- 0.2	Negative
11/19/2020	65	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.3	Negative
11/19/2020	66	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Baseboard	Wood	White	Intact	0.0	Negative
11/19/2020	67	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Radiator	Wood	White	Intact	- 0.3	Negative
11/19/2020	68	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	69	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	0.2	Negative
11/19/2020	70	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.2	Negative
11/19/2020	71	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Window Apron	Wood	White	Intact	0.0	Negative
11/19/2020	72	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Window Trough	Wood	White	Intact	- 0.4	Negative
11/19/2020	73	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Shelf Support	Wood	White	Intact	- 0.2	Negative
11/19/2020	74	Interior	Bedroom 1-3 (1 <sup>st</sup> Floor)	Shelf	Wood	White	Intact	- 0.4	Negative
11/19/2020	75	Interior	Laundry (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	- 0.2	Negative
11/19/2020	76	Interior	Laundry (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.1	Negative
11/19/2020	77	Interior	Laundry (1 <sup>st</sup> Floor)	Baseboard	Wood	White	Intact	- 0.3	Negative
11/19/2020	78	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Door	Metal	White	Intact	- 0.3	Negative
11/19/2020	79	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	- 0.2	Negative

Reading Date	Reading Number	Interior/ Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	80	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.1	Negative
11/19/2020	81	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Baseboard	Wood	White	Intact	- 0.1	Negative
11/19/2020	82	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Radiator	Metal	White	Intact	- 0.2	Negative
11/19/2020	83	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	84	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	- 0.2	Negative
11/19/2020	85	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.1	Negative
11/19/2020	86	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Shelf Support	Wood	White	Intact	0.2	Negative
11/19/2020	87	Interior	Bedroom 1-2 (1 <sup>st</sup> Floor)	Shelf	Wood	White	Intact	- 0.3	Negative
11/19/2020	88	Interior	Bathroom (1 <sup>st</sup> Floor)	Door Casing	Wood	White	5% Damage	- 0.1	Negative
11/19/2020	89	Interior	Bathroom (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	- 0.4	Negative
11/19/2020	90	Interior	Bathroom (1 <sup>st</sup> Floor)	Handrail Support	Wood	White	Intact	- 0.1	Negative
11/19/2020	91	Interior	Bathroom (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.2	Negative
11/19/2020	92	Interior	Bathroom (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	93	Interior	Bathroom (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	- 0.1	Negative
11/19/2020	94	Interior	Bathroom (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.1	Negative
11/19/2020	95	Interior	Shower Room (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	- 0.3	Negative
11/19/2020	96	Interior	Shower Room (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	- 0.2	Negative
11/19/2020	97	Interior	Shower Room (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.1	Negative
11/19/2020	98	Interior	Shower Room (1 <sup>st</sup> Floor)	Shelf	Wood	White	Intact	- 0.0	Negative
11/19/2020	99	Interior	Shower Room (1 <sup>st</sup> Floor)	Handrail Support	Wood	White	Intact	- 0.1	Negative
11/19/2020	100	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Door	Metal	White	Intact	0.0	Negative
11/19/2020	101	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Door Casing	Wood	White	Intact	- 0.1	Negative
11/19/2020	102	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Wall	Drywall	White	Intact	- 0.4	Negative
11/19/2020	103	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.1	Negative
11/19/2020	104	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Baseboard	Wood	Cream	Intact	- 0.1	Negative
11/19/2020	105	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Radiator	Metal	White	Intact	- 0.4	Negative
11/19/2020	106	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Window Sash	Wood	White	Intact	- 0.2	Negative
11/19/2020	107	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Window Casing	Wood	White	Intact	- 0.1	Negative

Reading Date	Reading Number	Interior/Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	108	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Windowsill	Wood	White	Intact	- 0.2	Negative
11/19/2020	109	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Closet Door	Wood	White	Intact	0.0	Negative
11/19/2020	110	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Closet Door Casing	Wood	White	Intact	- 0.3	Negative
11/19/2020	111	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Shelf Support	Wood	White	Intact	- 0.1	Negative
11/19/2020	112	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Shelf	Wood	White	Intact	- 0.2	Negative
11/19/2020	113	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Pipe	Metal	White	Intact	0.5	Negative
11/19/2020	114	Interior	Bedroom 1-1 (1 <sup>st</sup> Floor)	Closet Ceiling	Drywall	White	Intact	- 0.2	Negative
11/19/2020	115	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Door	Metal	White	Intact	- 0.2	Negative
11/19/2020	116	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Door Casing	Wood	White	Intact	0.0	Negative
11/19/2020	117	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Wall	Drywall	Cream	Intact	- 0.4	Negative
11/19/2020	118	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.3	Negative
11/19/2020	119	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	120	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Window Casing	Wood	White	Intact	- 0.1	Negative
11/19/2020	121	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Windowsill	Wood	White	Intact	- 0.1	Negative
11/19/2020	122	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Window Apron	Wood	White	Intact	- 0.2	Negative
11/19/2020	123	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Baseboard	Wood	White	Intact	- 0.2	Negative
11/19/2020	124	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Closet Door	Wood	White	Intact	- 0.2	Negative
11/19/2020	125	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Closet Door Casing	Wood	White	Intact	- 0.2	Negative
11/19/2020	126	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Shelf Support	Wood	White	Intact	0.0	Negative
11/19/2020	127	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Shelf	Wood	White	Intact	0.1	Negative
11/19/2020	128	Interior	Bedroom 2-1 (2 <sup>nd</sup> Floor)	Pipe	Metal	White	Intact	0.4	Negative
11/19/2020	129	Interior	Bathroom (2 <sup>nd</sup> Floor)	Door	Wood	White	Intact	- 0.3	Negative
11/19/2020	130	Interior	Bathroom (2 <sup>nd</sup> Floor)	Door Casing	Wood	White	Intact	- 0.3	Negative
11/19/2020	131	Interior	Bathroom (2 <sup>nd</sup> Floor)	Wall	Drywall	White	Intact	- 0.1	Negative
11/19/2020	132	Interior	Bathroom (2 <sup>nd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.2	Negative
11/19/2020	133	Interior	Bathroom (2 <sup>nd</sup> Floor)	Radiator	Metal	White	Intact	- 0.0	Negative
11/19/2020	134	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Door	Wood	White	Intact	- 0.2	Negative
11/19/2020	135	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Door Casing	Wood	White	Intact	0.0	Negative

Reading Date	Reading Number	Interior/Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	136	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Baseboard	Wood	White	Intact	- 0.1	Negative
11/19/2020	137	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Radiator	Metal	White	Intact	- 0.3	Negative
11/19/2020	138	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Wall	Drywall	Pink	Intact	- 0.2	Negative
11/19/2020	139	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.3	Negative
11/19/2020	140	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Window Sash	Wood	White	Intact	- 0.2	Negative
11/19/2020	141	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Window Casing	Wood	White	Intact	0.3	Negative
11/19/2020	142	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Windowsill	Wood	White	Intact	- 0.3	Negative
11/19/2020	143	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Window Apron	Wood	White	Intact	- 0.2	Negative
11/19/2020	144	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Shelf Support	Wood	Pink	Intact	- 0.2	Negative
11/19/2020	145	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Shelf	Wood	White	Intact	- 0.1	Negative
11/19/2020	146	Interior	Landing Area (2 <sup>nd</sup> Floor)	Closet Door (Landing)	Wood	White	Intact	6.1	Positive
11/19/2020	147	Interior	Landing Area (2 <sup>nd</sup> Floor)	Closet Door Casing	Wood	White	Intact	0.0	Negative
11/19/2020	148	Interior	Landing Area (2 <sup>nd</sup> Floor)	Shelf Support	Wood	White	Intact	- 0.1	Negative
11/19/2020	149	Interior	Landing Area (2 <sup>nd</sup> Floor)	Shelf	Wood	White	Intact	- 0.2	Negative
11/19/2020	150	Interior	Landing Area (2 <sup>nd</sup> Floor)	Door	Wood	White	Intact	0.1	Negative
11/19/2020	151	Interior	Landing Area (2 <sup>nd</sup> Floor)	Door Casing	Wood	White	Intact	0.2	Negative
11/19/2020	152	Interior	Landing Area (2 <sup>nd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.4	Negative
11/19/2020	153	Interior	Landing Area (2 <sup>nd</sup> Floor)	Radiator	Metal	Tan	Intact	0.1	Negative
11/19/2020	154	Interior	Bathroom (2 <sup>nd</sup> Floor)	Wall	Drywall	White	Intact	- 0.3	Negative
11/19/2020	155	Interior	Bathroom (2 <sup>nd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.4	Negative
11/19/2020	156	Interior	Bathroom (2 <sup>nd</sup> Floor)	Radiator	Metal	White	Intact	- 0.1	Negative
11/19/2020	157	Interior	Bathroom (2 <sup>nd</sup> Floor)	Baseboard	Wood	White	Intact	- 0.3	Negative
11/19/2020	158	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.2	Negative
11/19/2020	159	Interior	Bedroom 2-2 (2 <sup>nd</sup> Floor)	Radiator	Wood	Tan	Intact	0.3	Negative
11/19/2020	160	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Wall	Drywall	White	Intact	- 0.2	Negative
11/19/2020	161	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Wall	Drywall	Red	Intact	- 0.3	Negative
11/19/2020	162	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.2	Negative
11/19/2020	163	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Ceiling Plaster	Plaster	Blue	Intact	- 0.2	Negative

Reading Date	Reading Number	Interior/Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	164	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Window Sash	Wood	White	Intact	- 0.1	Negative
11/19/2020	165	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Window Casing	Wood	White	Intact	0.1	Negative
11/19/2020	166	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Windowsill	Wood	White	Intact	0.0	Negative
11/19/2020	167	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Baseboard	Wood	Cream	Intact	>9.9	Positive
11/19/2020	168	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Baseboard	Wood	Cream	Intact	6.0	Positive
11/19/2020	169	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Handrail	Wood	Cream	Intact	2.9	Positive
11/19/2020	170	Interior	Bedroom 3-2 (3 <sup>rd</sup> Floor)	Rail Spindle	Wood	Cream	Intact	>9.9	Positive
11/19/2020	171	Interior	Bathroom (3 <sup>rd</sup> Floor)	Door	Wood	Cream	Intact	- 0.1	Negative
11/19/2020	172	Interior	Bathroom (3 <sup>rd</sup> Floor)	Door Casing	Wood	Cream	Intact	>9.9	Positive
11/19/2020	173	Interior	Bathroom (3 <sup>rd</sup> Floor)	Wall	Drywall	Cream	Intact	- 0.1	Negative
11/19/2020	174	Interior	Bathroom (3 <sup>rd</sup> Floor)	Ceiling	Drywall	Cream	Intact	- 0.1	Negative
11/19/2020	175	Interior	Landing Area (3 <sup>rd</sup> Floor)	Closet Door	Wood	Cream	Intact	- 0.1	Negative
11/19/2020	176	Interior	Landing Area 3 <sup>rd</sup> Floor)	Closet Door Casing	Wood	Cream	Intact	8.4	Positive
11/19/2020	177	Interior	Bedroom 3-1 (3 <sup>rd</sup> Floor)	Door Casing	Wood	White	Intact	>9.9	Positive
11/19/2020	178	Interior	Bedroom 3-1 (3 <sup>rd</sup> Floor)	Wall	Drywall	White	Intact	- 0.1	Negative
11/19/2020	179	Interior	Bedroom 3-1 (3 <sup>rd</sup> Floor)	Ceiling	Drywall	White	Intact	- 0.1	Negative
11/19/2020	180	Interior	Bedroom 3-1 (3 <sup>rd</sup> Floor)	Baseboard	Wood	Cream	Intact	>9.9	Positive
11/19/2020	181	Interior	Bedroom 3-1 (3 <sup>rd</sup> Floor)	Door	Wood	White	Intact	- 0.1	Negative
11/19/2020	182	Interior	Bedroom 3-1 (3 <sup>rd</sup> Floor)	Door Casing	Wood	White	Intact	>9.9	Positive
11/19/2020	183	Exterior	Entrance Door	Door	Metal	White	Intact	0.2	Negative
11/19/2020	184	Exterior	Entrance Landing	Ceiling	Drywall	White	Intact	0.5	Negative
11/19/2020	185	Exterior	Entrance Landing	Handrail	Wood	White	Intact	- 0.2	Negative
11/19/2020	186	Exterior	Entrance Landing	Knee Wall	Concrete	White	10% Damage	7.3	Positive
11/19/2020	187	Exterior	Entrance Landing	Column	Wood	White	Intact	- 0.3	Negative
11/19/2020	188	Exterior	Entrance Landing	Floor	Wood	White	Intact	- 0.3	Negative
11/19/2020	189	Exterior	Side Facing Irving Street	Window Sash	Wood	White	Intact	- 0.3	Negative
11/19/2020	190	Exterior	Main Door Facing Irving Street	Door	Wood	White	Intact	0.0	Negative
11/19/2020	191	Exterior	Main Door Facing Irving Street	Door Casing	Wood	White	Intact	- 0.2	Negative
11/19/2020	192	Exterior	Side Facing Irving Street	Basement Door	Wood	White	Intact	- 0.1	Negative

Reading Date	Reading Number	Interior/ Exterior	Room ID	Structure	Substrate	Color	Paint Condition <sup>(A)</sup>	Reading (mg/cm <sup>2</sup> ) <sup>(B)</sup>	Result <sup>(C)</sup>
11/19/2020	193	Exterior	Side Facing Irving Street	Basement Door Casing	Wood	White	Intact	0.1	Negative
11/19/2020	194	Exterior	Rear Entrance	Door	Wood	White	Intact	0.1	Negative
11/19/2020	195	Exterior	Rear Entrance	Door Casing	Wood	White	Intact	- 0.3	Negative
11/19/2020	196	Exterior	Rear Entrance	Threshold	Wood	White	Intact	- 0.2	Negative
11/19/2020	197	Exterior	Boundary on Irving Street	Fence Board	Wood	White	Intact	- 0.0	Negative
11/19/2020	198	Exterior	Boundary on Irving Street	Fence Post	Wood	White	Intact	- 0.1	Negative
11/19/2020	200	Calibration						1.0	Average of 0.9
11/19/2020	201	Calibration						1.0	
11/19/2020	202	Calibration						0.8	

Notes:

(A) = Paint Condition: Intact (no damage); Deteriorated (cracked and peeling)

(B) = XRF Lead Results

(C) = Readings shaded in yellow are positive, and are confirmed as lead containing paint because the concentrations exceed 1 mg/cm<sup>2</sup>

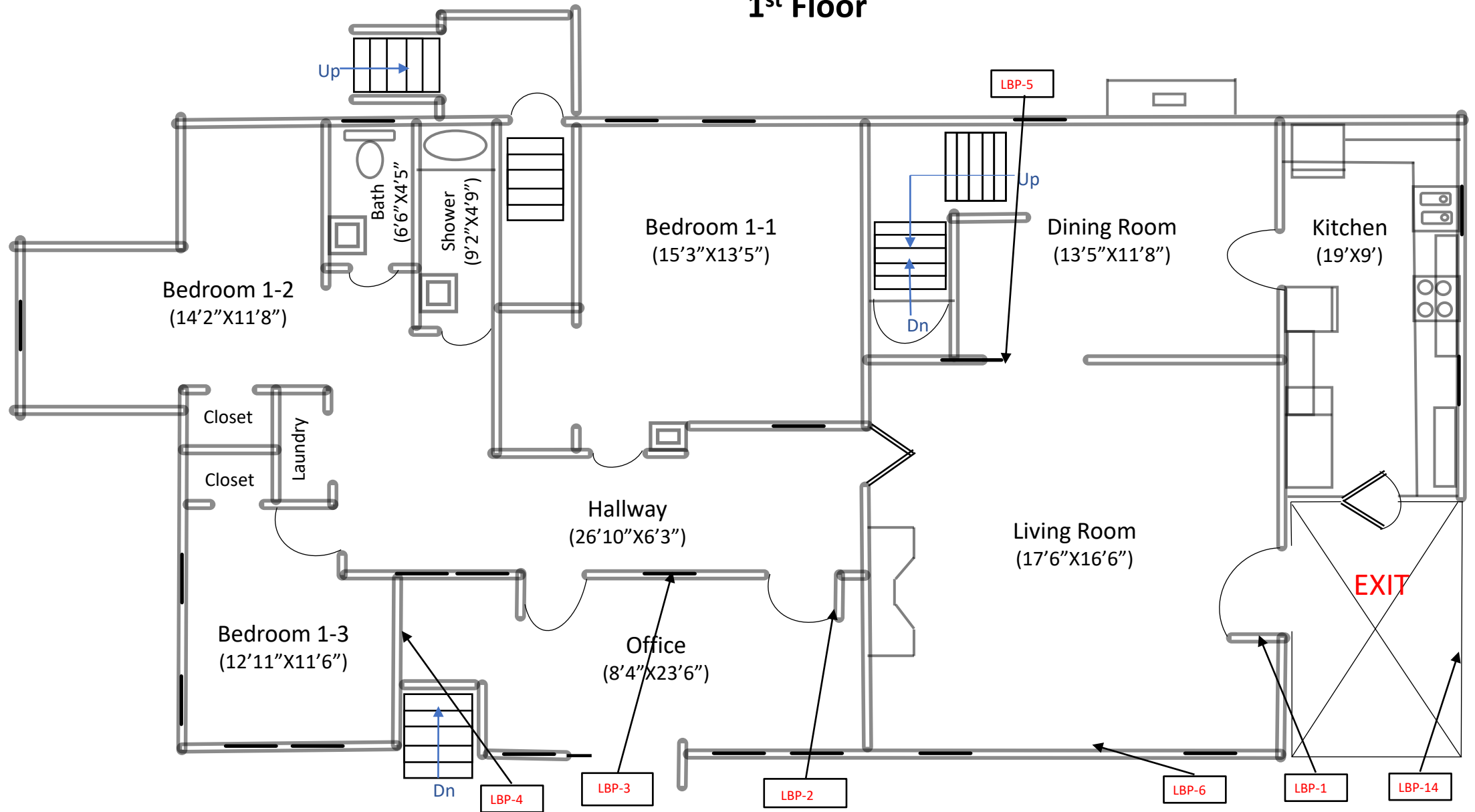
Readings above 0.0 are negative and are not defined as lead containing paint but could present a hazardous condition if disturbed causing exposure to workers, according to OSHA regulations.

Difference between Average and Calibration Block at Entry – 0.1

Difference between Average and Calibration Block at Exit – 0.2



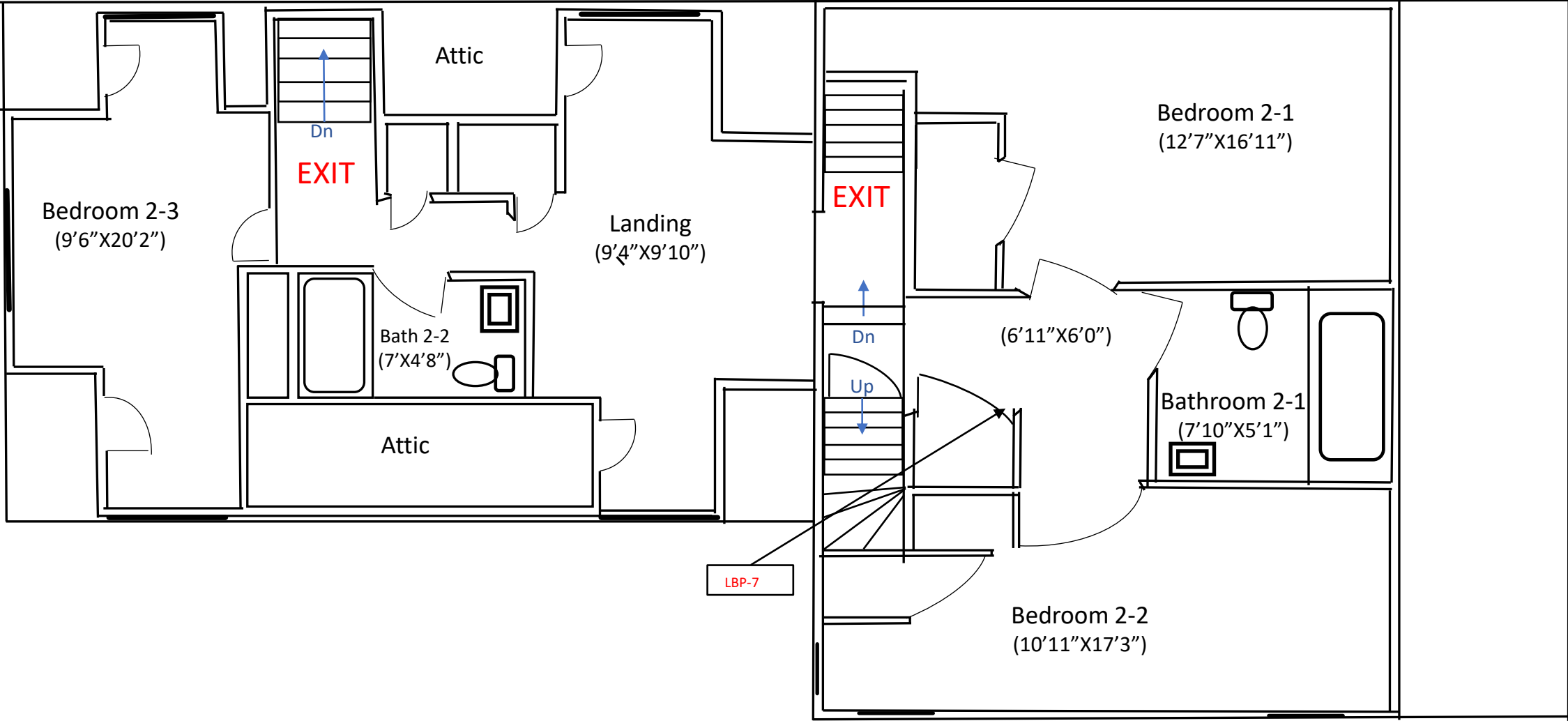
# 1<sup>st</sup> Floor



LEGEND	
<span style="border: 1px solid black; padding: 2px;">LBP -#</span>	- Lead-Based Paint Location

**FIGURE 1**  
LBP Location Site Map (Not to Scale)


# 2nd Floor



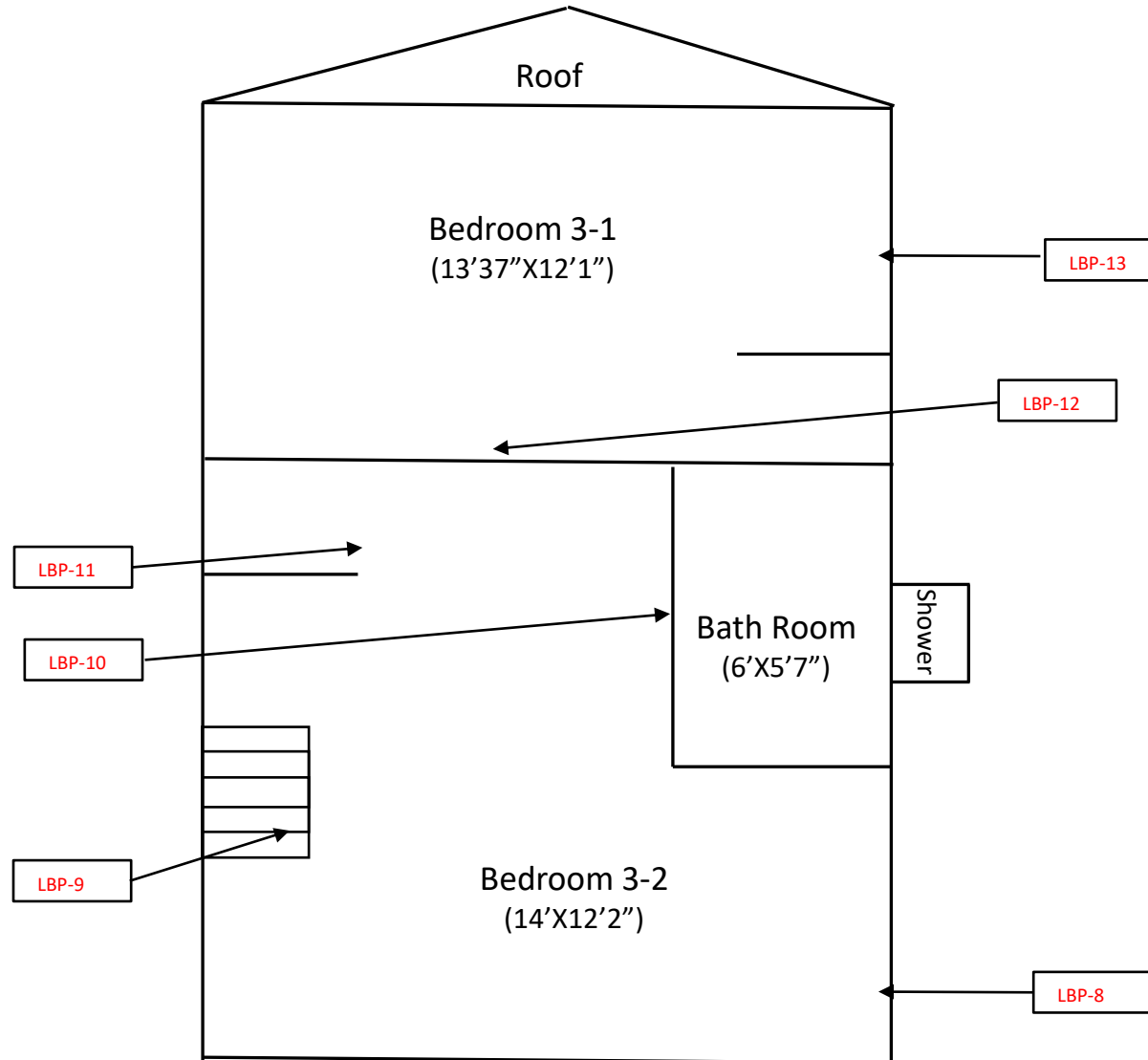
**LEGEND**  
LBP -# - Lead-Based Paint Location

**FIGURE 2**  
 LBP Location Site Map (Not to Scale)

JSK Project No. : JSK-2020-86  
 1212 S. Irving St., Arlington, VA 22201



# 3rd Floor



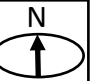
## LEGEND

LBP -# - Lead-Based Paint Location

## FIGURE 3

LBP Location Site Map (Not to Scale)

JSK Project No. : JSK-2020-86  
1212 S. Irving St., Arlington, VA 22201





## **APPENDIX D – INSPECTOR AND LABORATORY CERTIFICATIONS**

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
12-31-2020

NUMBER  
3303003902

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS  
ASBESTOS INSPECTOR LICENSE



MICHEAL DAMIEN ALLSHOUSE  
2009 RAWLINGS STREET  
RICHMOND, VA 23231



  
Mary Broz-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2020

NUMBER

3356001040

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS  
LEAD RISK ASSESSOR LICENSE



MICHEAL DAMIEN ALLSHOUSE  
2009 RAWLINGS STREET  
RICHMOND, VA 23231



  
Mary Broz-Vaughan, Acting Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

# COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON  
03-31-2021

NUMBER  
3303004514

## BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS ASBESTOS INSPECTOR LICENSE



NANDKISHORE KAUSHIK  
13130 PEACH LEAF PLACE  
FAIRFAX, VA 22030



*Mary Broz-Vaughan*  
Mary Broz-Vaughan, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

**DPOR** COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS  
ASBESTOS INSPECTOR LICENSE

NUMBER: 3303004514 EXPIRES: 03-31-2021

NANDKISHORE KAUSHIK  
13130 PEACH LEAF PLACE  
FAIRFAX, VA 22030



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)



## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### **EMSL Analytical, Inc.**

10768 Baltimore Ave, Beltsville, MD 20705

Laboratory ID: 102891

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

### **LABORATORY ACCREDITATION PROGRAMS**

- |                                                                       |                                           |
|-----------------------------------------------------------------------|-------------------------------------------|
| <input checked="" type="checkbox"/> <b>INDUSTRIAL HYGIENE</b>         | Accreditation Expires: September 01, 2021 |
| <input type="checkbox"/> <b>ENVIRONMENTAL LEAD</b>                    | Accreditation Expires:                    |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL MICROBIOLOGY</b> | Accreditation Expires: September 01, 2021 |
| <input type="checkbox"/> <b>FOOD</b>                                  | Accreditation Expires:                    |
| <input type="checkbox"/> <b>UNIQUE SCOPES</b>                         | Accreditation Expires:                    |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

*Elizabeth Bair*

Elizabeth Bair  
Chairperson, Analytical Accreditation Board

*Cheryl O. Morton*

Cheryl O. Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC





## AIHA Laboratory Accreditation Programs, LLC

### SCOPE OF ACCREDITATION

#### EMSL Analytical, Inc.

10768 Baltimore Ave, Beltsville, MD 20705

Laboratory ID: **102891**

Issue Date: 04/30/2019

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

#### Environmental Microbiology Laboratory Accreditation Program (EMLAP)

**Initial Accreditation Date: 12/01/2004**

EMLAP Category	Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
<b>Fungal</b>	Air - Culturable	Micro-SOP-202	Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi From Air Samples Collected on Agar Plates
	Bulk - Culturable	Micro-SOP-202	Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi From Air Samples Collected on Agar Plates
	Surface - Culturable	Micro-SOP-202	Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi From Air Samples Collected on Agar Plates
	Air - Direct Examination	Micro-SOP-201	Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
	Bulk - Direct Examination	Micro-SOP-200	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples
	Surface - Direct Examination	Micro-SOP-200	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples

A complete listing of currently accredited Environmental Microbiology laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

Effective: 03/12/2013

Scope\_EMLAP\_R6

Page 1 of 1

United States Department of Commerce  
National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2005**

NVLAP LAB CODE: 200293-0

**EMSL Analytical, Inc.**  
Beltsville, MD

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

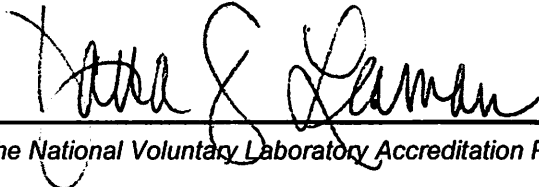
**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2020-01-01 through 2020-12-31

*Effective Dates*



  
For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**EMSL Analytical, Inc.**  
10768 Baltimore Avenue  
Beltsville, MD 20705  
Mr. Joseph Centifonti  
Phone: 301-937-5700 Fax: 301-937-5701  
Email: [jcentifonti@emsl.com](mailto:jcentifonti@emsl.com)  
<http://www.emsl.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200293-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "David S. Lerman".

For the National Voluntary Laboratory Accreditation Program



**APPENDIX E – PHOTOGRAPHIC LOG OF ASBESTOS, LBP & HAZARDOUS MATERIALS  
SAMPLES**

**PHOTOGRAPHIC LOG**



Homogeneous Material No. 1 – Non-ACM Tan 18” by 18” VFT with Cream Mastic located in the Kitchen and Laundry Area



Homogeneous Material No. 2 – Non-ACM White Wall DW and Associated White JC located Throughout the Building including Dining Room, Bedroom 2-2 and Bedroom 3-2



Homogeneous Material No. 3 – Non-ACM White Ceiling DW and Associated White JC located Throughout the Building including Dining Room, Bedroom 2-2 and Bedroom 3-2



Homogeneous Material No. 4 – Non-ACM White Interior Door Caulk located in the Kitchen and Bedroom 1-3



Homogeneous Material No. 5 – Non-ACM White Interior Window Caulk located in the Kitchen and Bedroom 1-3



Homogeneous Material No. 6 – Non-ACM 4" Black Vinyl Cove Base with Cream Mastic Located in the Kitchen



Homogeneous Material No. 7 – Non-ACM Light Gray Under Sink Bowl Coating located in the Kitchen



Homogeneous Material No. 8 – Non-ACM Black and Brown Carpet with Tan Carpet Glue located in the Living Room and Office Space





Homogeneous Material No. 9 – Non-ACM Tan Faux Wood Pattern Vinyl Plank Flooring with Cream Mastic located in Bedroom 1-2 and Bedroom 1-3



Homogeneous Material No. 10 – Non-ACM Mottled Pink CT with Light Gray Grout and White Setting Base located in the Bathroom on the 1<sup>st</sup> Floor



Homogeneous Material No. 11 – Non-ACM Pinkish Gray CT with Gray Grout and Gray Setting Base located in the Shower Room on the 1<sup>st</sup> Floor



Homogeneous Material No. 12 – Non-ACM Mottled Dark Brown CT with Tan Grout and White Setting Base located in Bathroom 2-1



Homogeneous Material No. 13 – Non-ACM Creamish White CT with Cream Grout and White Setting Base located in the Bathroom on the 3<sup>rd</sup> Floor



Homogeneous Material No. 14 – Non-ACM Tan Ceiling Plaster located in Bedrooms 3-1 and 3-2



Homogeneous Material No. 15 – Non-ACM White Exterior Window Caulk located in the Exterior Windows



Homogeneous Material No. 16 – Non-ACM White Exterior Door Caulk located on the Exterior Door



Homogeneous Material No. 17 – Non-ACM White Vinyl Siding Seam Caulk located on the Exterior Siding



Homogeneous Material No. 18 – Non-ACM Black asphalt roof shingle with Black Asphalt Ice Shield and Black Felt Paper located on the Roof



Non-ACM Fiberglass Insulation on Piping in Basement



Another View of Non-ACM Fiberglass Insulation on Piping in Basement



Another View of Non-ACM Fiberglass Insulation on Piping in Basement



Non-ACM Foam Insulation on Piping in Basement

**PHOTOGRAPHIC LOG**



LBP-1: Lead-Based Paint on Living Room Door Casing



LBP-2: Lead-Based Paint on Casing on Door Leading to Office from Living Room/Dining Room





LBP-3: Lead-Based Paint on Window Sash, Window Casing, Windowsill & Window Trough in the Office



LBP-4: Lead-Based Paint on Siding/Paneling in the Office Area



LBP-5: Lead-Based Paint on Pocket Door Separating Living Room and Dining Room



LBP-6: Lead-Based Paint on Baseboard in Living Room



LBP-7: Lead-Based Paint on Closet Door in Landing Area (2<sup>nd</sup> Floor)



LBP-8: Lead-Based Paint on Baseboard in Bedroom 3-2 (3<sup>rd</sup> Floor)



LBP-9: Lead-Based Paint on Handrail and Rail Spindle, Stairway to 3<sup>rd</sup> Floor Area



LBP-10: Lead-Based Paint on Door Casing in Bathroom on 3<sup>rd</sup> Floor



LBP-11: Lead-Based Paint on Closet Door Casing, Landing on 3<sup>rd</sup> Floor



LBP-12: Lead-Based Paint on Door Casing Leading to Bedroom 3-1 on 3<sup>rd</sup> Floor



LBP-13: Lead-Based Paint on Baseboard in Bedroom 3-1 on 3<sup>rd</sup> Floor



LBP-14: Lead-Based Paint on Concrete Knee Wall in Landing Area of Entrance to Property

**PHOTOGRAPHIC LOG**



Mercury Thermostat in Living Room



Typical Emergency Light Throughout the Subject Property



Typical Smoke Detector Throughout the Subject Property

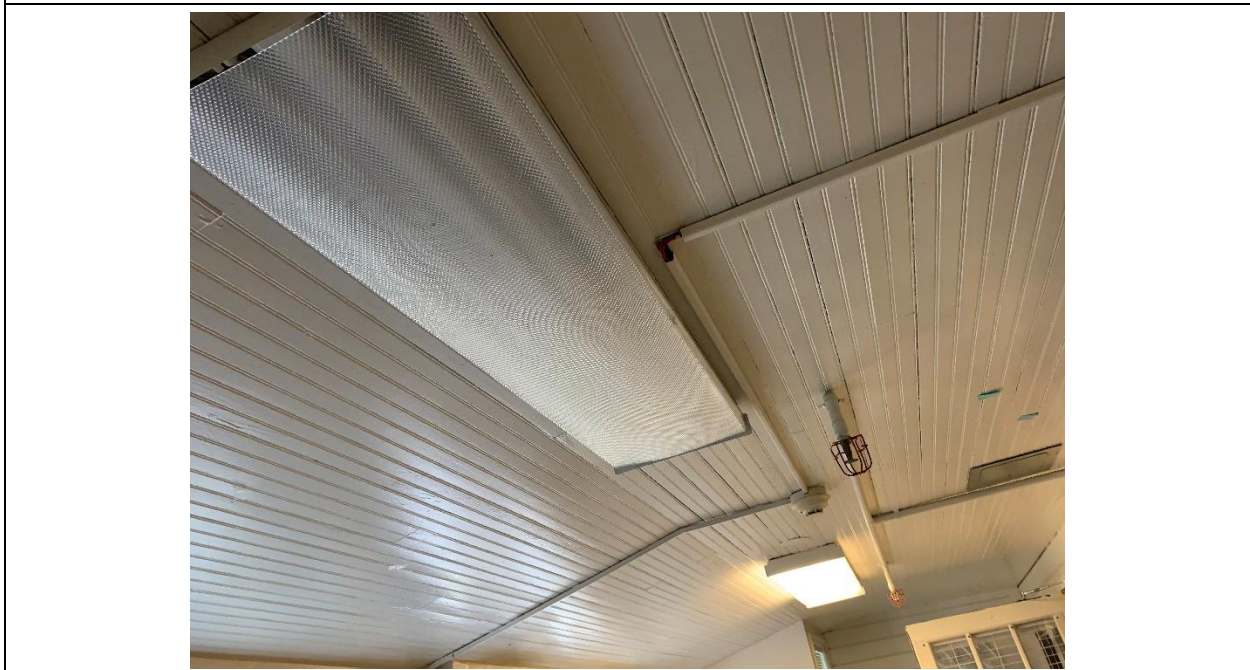


Typical Fire Extinguisher Throughout the Subject Property





Fire Alarm System in the Office Area of the Subject Property



Typical Fluorescent Lighting with non-PCB Electronic Ballasts in the Office & Kitchen of the Subject Property