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ASBESTOS, LEAD AND HAZARDOUS BUILDING MATERIALS SURVEY

**789 POST ROAD
WARWICK, RHODE ISLAND**

August 2022

File No. 34957.00



PREPARED FOR:
City of Warwick

GZA GeoEnvironmental, Inc.

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August 12, 2022
File No. 34957.00

Mr. Thomas J. Kravitz
City Planning Director
Warwick City Hall
3275 Post Road
Warwick, Rhode Island 02886

Re: Pre-Demolition Hazardous Building Materials Assessment Report
789 Post Road
Warwick, Rhode Island

Dear Mr. Kravitz:

GZA GeoEnvironmental, Inc. ("GZA") is pleased to submit this *Asbestos and Hazardous Building Materials Assessment Report* to the City of Warwick (the "Client") for the above-listed property ("the Site"). Our work was conducted in accordance with our executed proposal dated July 27, 2021. This report and our opinions and recommendations are subject to the Limitations provided below and in **Attachment A**.

This report presents the results of an asbestos and hazardous building materials assessment conducted by GZA GeoEnvironmental, Inc. (GZA) for the City of Warwick of the former Aldrich Junior High School property located at 789 Post Road in Warwick, Rhode Island (the Site). We understand the Client's intent at this time is to demolish the structure. The purpose of the assessment was to provide information on the quantity and location of hazardous building materials.

On October 20, 2021 and May 26, 2022, a hazardous building materials assessment was conducted by Mr. Erik Beloff (License # AI00938) in accordance with RIDOH regulations, Rules and Regulations for Asbestos Control (216-RICR-50-15-1). The recommendations provided are based on our visual observations of the material, analytical results, our understanding of the applicable regulations, and experience with management of hazardous building materials.

Thank you for this opportunity to be of service. Please contact Erik at 401-421-2723 or erik.beloff@gza.com with any questions you may have pertaining to the information in this report.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.


Erik M. Beloff
Project Manager
RIDOH-Licensed Asbestos Inspector


Jeffrey D. Rowell, P.E.^{NH}
Consultant/Reviewer


Edward A. Summerly, P.G.^{NY, KY}
District Office Manager / Sr. Principal



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1.0 INTRODUCTION AND PURPOSE

1.1 INTRODUCTION

This report presents the findings of a Hazardous Building Materials Survey conducted by GZA GeoEnvironmental, Inc. (GZA) for the City of Warwick (Client) at the property identified as 789 Post Road (Site) located in Warwick, Rhode Island. The initial site visit portion of the survey was conducted on October 20, 2021. GZA returned to the site on May 26, 2022 to complete the survey in general accordance with GZA's Proposal dated July 27, 2021. This report is subject to the *Limitations* in **Appendix A**.

1.2 PROJECT OBJECTIVE

GZA understands that current redevelopment plans for the property include the demolition of the existing Site structure. The objective of our work was to perform a walkthrough of the accessible portions of the above referenced building to identify and evaluate the presence and condition of suspect asbestos-containing material (ACM), poly-chlorinated biphenyls (PCB), lead-containing paint (LCP), and other visually observed universal wastes and hazardous building materials. The work included the collection of bulk samples of observed representative suspect ACMs, PCBs, and lead-containing paint materials and the quantification of identified ACMs and hazardous building materials.

1.3 PROJECT STRATEGY

This assessment was limited to materials that were visible and accessible during the survey of the building on the project site. Efforts were made to access the interiors of pipe chases and wall cavities by using available access hatches, but it should be noted that certain interstitial building voids and spaces could not be accessed without disassembly of the building or use of destructive methods. Charged electrical systems and energized mechanical and pneumatic equipment were not sampled as part of this survey. GZA did not dismantle mechanical equipment within the building. Inaccessible areas and areas beyond the Scope of Work, including boilers, mechanical equipment and HVAC equipment, were not sampled during the assessment and the materials comprising these inaccessible or beyond scope systems should be assumed to be ACM for the purposes of this report. Although reasonable effort was made to survey accessible suspect materials, additional suspect, but un-sampled materials, could be located in walls, voids or in other concealed areas. Furthermore, it is assumed that no active effort, intentional or otherwise, was made by others to cosmetically hide potentially salient features or conditions from GZA.

2.0 SITE DESCRIPTION

The Site covers approximately 11.98 acres and is improved with one structure (Former Aldrich Junior High School), paved parking and limited landscaped areas. The approximately 115,264-square-foot school building located at 789 Post Road in Warwick, Rhode Island is a two-story masonry-block and brick structure with a portion erected on a concrete slab-on-grade floor and a portion with a concrete basement and associated foundation. Records indicate the original construction was in 1936. At the time of the assessment, the building was unoccupied. The building's roofing systems consisted of one layer of EPDM rubber membrane over a poly-isocyanurate insulation layer on-top of a built-up tar & gravel system over a concrete deck substrate. Exterior walls of the building consist of brick and concrete masonry units (CMU). Interior walls consist of ceramic tile, ceramic block, gypsum wallboard, brick or CMU block. The flooring finishes consist of bare concrete, ceramic tile, vinyl tile and carpet. The ceilings throughout the majority of the building had a suspended ceiling tile system with select ceilings finished with plaster.



3.0 SCOPE OF SERVICES

The scope of work involved visually identifying and classifying conditions within the interior and exterior areas, collecting representative samples of suspect ACM/HBM for analysis, and integrating and reporting our findings in a written report. GZA observed building structural components; utility systems (electrical, mechanical, and plumbing); interior spaces and building contents; and the suspect materials comprising or associated with the building exteriors.

No prior asbestos or hazardous material inspection reports regarding the site were provided to GZA. Some past AHERA inspection records were provided to GZA.

4.0 INVESTIGATION PROCEDURES

Results of the investigation are provided below.

4.1 ASBESTOS INVESTIGATION

The pre-demolition level asbestos assessment and sampling was conducted at the site on October 20, 2021. GZA returned to the site on May 26, 2022 to complete the survey. The survey was performed by Mr. Erik M. Beloff and Mr. Ben Ramos, Rhode Island Department of Health certified Asbestos Inspector's (Certificates #AI00938 & #AI01136, respectively).

4.1.1 Asbestos Sampling

The suspect ACM sampling was conducted throughout the interior and exterior of the building scheduled to be impacted by the proposed demolition work. An aerial site plan showing the location of the structures is attached as **Figure 1**. Accessible interior and exterior building components were visually assessed, and homogeneous areas of suspect ACMs were identified and documented. Procedures for locating and identifying suspect ACM were based on guidelines published by the United States Environmental Protection Agency (USEPA).¹ A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the USEPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with the sampling protocols outlined in USEPA Regulation 40 CFR 763 Asbestos Hazard Emergency Response Act and the Rhode Island Department of Health (RIDOH) Rules and Regulations for Asbestos Control (216-RICR-50-15-1). It was assumed that discrete suspect ACM were sufficiently uniform in composition to permit random samples to be collected of suspect materials in each homogeneous area. GZA collected bulk samples wearing appropriate Personal Protection Equipment and using wet methods as applicable to reduce the potential for fiber release. Samples were placed in individual re-sealable plastic bags, wet wiped of visible debris, labeled with unique sample numbers using an indelible marker, recorded and dispatched to an accredited laboratory for analysis following chain-of-custody protocols. In total, 210 bulk samples were collected from 78 areas of suspect ACM. A summary of suspect ACM samples collected during the survey is presented in **Table 1**.

¹ Environmental Protection Agency, Guidelines for Controlling Asbestos-Containing Materials in Buildings, Office of Pesticides and Toxic Substances, EPA Report Number 560/5-85-024, June 1985.



4.1.2 Sample Analysis

ProScience Analytical Services Inc. (ProScience), located at 22 Cummings Park, Woburn, Massachusetts analyzed the bulk samples using polarized light microscopy (PLM) with dispersion staining techniques per USEPA methodology (40 CFR 763, Subpart F). The percentage of asbestos, where applicable, was quantified by microscopic visual estimation. ProScience is an approved laboratory by the RIDOH (Lab ID No. PLM00093) and is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 200090-0). A copy of the laboratory's accreditations is included as **Appendix B**. The laboratory was instructed to analyze samples from each homogeneous area until the first sample containing asbestos was identified using the positive stop procedure.

4.1.3 Asbestos Analytical Results

Laboratory analysis identified the presence of ACM in the following Site materials sampled:

- 12"x12" brown floor tile, 2nd floor, hallway
- Exterior, main building, beige joint caulk, between concrete window sill
- Exterior, main building, NE, beige glazing above wood frame doors
- 12"x12" gray floor tile, ground floor
- Ground floor, kitchen walk-in refrigerator, brown/gray insulation
- Thermal pipe insulation, white, throughout (presumed, labeled)

A summary of ACM and non-ACM identified by sample identification, material type, sample location, and asbestos content of identified ACM is presented in **Table 1**. A summary of confirmed ACMs is presented in **Table 2**. The laboratory analytical reports are included as **Appendix C**.

4.2 LEAD PAINT ASSESSMENT

The following subsections summarize GZA's approach to, and findings of, our lead containing paint assessment of the subject property.

4.2.1 Lead-Containing Paint Survey

On October 20, 2021, Brenda Eastman with Environmental Lead Detection, Inc., a Rhode Island Certified Lead Inspector (#00044), conducted a Lead Paint Inspection. The survey included testing painted surfaces for lead-containing paint (LCP) using x-ray fluorescence (XRF). Painted surfaces throughout the interior and exterior of the structure were randomly selected for lead paint analysis using XRF. Typical painted areas tested were walls, doors, door trim, windows, baseboards, etc. for lead paint using XRF. Positive XRF readings for lead-based paint were identified on interior concrete walls, metal cabinets, metal doors, metal door frames, metal door lintels, metal door thresholds, metal drain pipes, metal handrails, metal stair balusters, metal stair newel post, metal stair pan, metal stair rail cap, metal stair risers, metal stair stringer, metal stair treads, metal vent, wood cabinet, wood door casings, wood door jambs, wood stair rail cap, wood stair risers, wood stair stringer, wood wall chair rail, and wood wall corner trim. Positive XRF readings for lead-based paint were identified on exterior brick walls, metal doors, metal door frames, metal door lintels, wood door casings, wood door jambs, wood overhang, and wood window frames.

Positive XRF readings for lead containing materials were identified on an interior porcelain sink, slate chalkboards, and floor tiles. These components are not coated with lead-based paint. They were tested for disposal purposes.



The lead paint inspection included the performance of an Occupational Health and Safety Administration (OSHA) pre-demolition lead paint survey at the Site property. The OSHA survey was performed in compliance with the United States Department of Labor OSHA Lead Exposure in Construction Standard (29 CFR 1926.62), and USEPA Hazardous Waste Disposal Regulations (40 CFR Parts 260 through 271). The assessment was performed by screening representative accessible interior and exterior painted surfaces, observed in and on the building, and analyzing the samples to provide an indication of the presence of lead that may potentially create a lead hazard to workers in the course of the demolition of the building. A copy of the lead-based paint report is included as **Appendix D**.

4.3 UNIVERSAL WASTES INVESTIGATION

The Universal Wastes investigation was completed at the site by GZA personnel, Mr. Erik M. Beloff.

4.3.1 Universal Wastes Assessment

During the assessment, GZA visually identified several building construction materials suspected of potentially containing PCBs. Procedures for locating and identifying materials suspected of containing PCBs were based on guidelines published by the USEPA. The assessment was performed by collecting bulk samples from representative accessible suspect sealants/caulks/glazings observed in and on the buildings and analyzing the samples to provide an indication of the presence of PCBs in the materials that potentially could create a hazard to workers during the course of the demolition of the building. Samples were placed in individual re-sealable plastic bags, wet wiped of visible debris, labeled with unique sample numbers using an indelible marker recorded and dispatched to an accredited laboratory for analysis following chain-of-custody protocol. In total, five samples were collected and submitted for PCB analysis.

ESS analyzed the bulk samples for PCB content using USEPA Method 8082, Test Methods for Evaluating Solid Waste. ESS is accredited for PCB in solid waste analysis, ELAP Accreditation No. 2864.01.

As indicated in the attached laboratory analytical results, the PCB concentrations in the submitted glazing, caulk and sealant material samples were all reported as below the method reporting limit (RL) of 0.2 mg/kg with the exception of one sample. PCBs were detected in sample PCB-01 at a concentration of 24.3 mg/kg. All materials were below the 50 parts per million (ppm) threshold for PCB Bulk Product Waste. PCB results are provided in **Table 3** and a copy of the laboratory analytical reports are provided in **Appendix C**.

GZA also conducted a visual survey of Universal Wastes (UW), potential PCB-containing components and miscellaneous stored chemicals, petroleum products, and gases. UW, defined in 40 CFR Part 273 by the USEPA, includes hazardous wastes that are pesticides or electrical system components such as batteries, thermostats, and mercury-containing lamps. Varying types of other potentially hazardous materials present requiring proper handling and disposal prior to demolition were identified in the site building. Our inventory of hazardous materials was based on a visual assessment only; no additional sampling or characterization of UWs was performed. A detailed inventory, which includes the location and quantity of the identified hazardous materials, is presented in **Table 4**. The materials identified in **Table 4** must be managed and disposed of in accordance with current state and federal waste management regulations.

5.0 **REGULATORY OVERVIEW**

5.1 ASBESTOS

USEPA regulation 40 CFR 61, Subpart M, **National Emission Standards for Hazardous Air Pollutants (NESHAPS)** and the RIDOH regulate asbestos fiber emissions during renovation or demolition activities and asbestos waste disposal practices at both publicly and privately owned and operated facilities in the State. These regulations require the identification and classification of existing



building materials prior to demolition or renovation activity. Under NESHAP and Rhode Island regulations, asbestos-containing building materials are defined as materials containing greater than 1% of asbestos content and are classified as either friable, Category I non-friable, or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any non-friable materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, along with Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

RACM must be removed prior to any renovation or demolition activities which will disturb the materials. The owner or operator of a facility must provide the RIDOH with written notification of planned removal activities, including an asbestos abatement plan prepared by a licensed individual, at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by a RIDOH-licensed asbestos abatement contractor. Third-party area air clearance testing must be performed at the conclusion of the abatement activities and prior to re-occupancy of the removal areas to determine if the air quality is suitable. Third-party post-abatement visual clearance confirmation must be performed at the conclusion of the abatement activities for buildings that are not planned to be re-occupied.

The OSHA Asbestos standards for construction (29 CFR 1926.1101) and general industry (29 CFR 1910.1001) regulate workplace exposure to asbestos. The OSHA standards require that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air as an eight-hour time weighted average. The OSHA standards classify construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own federally-approved State OSHA programs may require additional precautions.

5.2 LEAD-CONTAINING PAINT

Lead is regulated by the USEPA, the State of Rhode Island, and OSHA. The USEPA and Rhode Island regulate the use, removal and disposal of LCP and OSHA regulates lead exposure to workers. The USEPA and Rhode Island define lead-based paint as paint, varnish, stain, or other applied coating that contains lead equal to or greater than 1.0 milligrams per square centimeter, 5,000 milligrams per kilogram, or 0.5% by dry weight as determined by laboratory analysis. OSHA defines lead-containing paint as a paint which contains lead, regardless of the concentration. For the purpose of the OSHA lead standard, lead includes metallic lead, all inorganic lead compounds, and organic lead soaps.

The Resource Conservation and Recovery Act (RCRA) gave the USEPA authority to regulate the waste status of demolition or renovation debris, including lead-containing materials. Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes. Lead-containing wastes are considered hazardous waste under RCRA if Toxicity Characteristic Leaching Procedure results for lead exceed 5 milligrams per liter.

Detectable lead concentrations may constitute a lead dust hazard during renovation/demolition activities. Personnel performing renovation/demolition activities that may disturb painted components with concentrations of lead above the designated analytical detection limit should comply with all current OSHA regulations in order to minimize employee exposure. Currently, any proposed renovation/demolition is subject to the OSHA regulations (29 CFR 1926.62 – Lead Exposure in Construction). The OSHA regulation defines specific training requirements, engineering controls and working practices for construction personnel subject to this standard. Occupational exposure to lead occurring in the course of construction work, including maintenance activities, painting, alteration and repairs is subject to the OSHA “Interim” Lead Exposure in Construction standard.



Construction work covered by 29 CFR 1926.62 includes any repair or renovation activities or other activities that disturb in-place lead-containing materials, but does not include routine cleaning and repainting where there is insignificant damage, wear, or corrosion of existing lead-containing coatings or substrates. Employers must assure that no employee will be exposed to lead at concentrations greater than 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) averaged over an eight-hour period without adequate protection. The OSHA Standard also establishes an action level of $30 \mu\text{g}/\text{m}^3$ which if exceeded triggers the requirement for medical monitoring.

The above overview is not intended to be inclusive of all potentially pertinent regulatory information. The relevant USEPA, Rhode Island and OSHA standards should be consulted prior to undertaking activities involving the demolition, renovation, or maintenance of surfaces coated with lead paints.

5.3 UNIVERSAL WASTES AND PCB-CONTAINING MATERIALS

Universal wastes are regulated by the USEPA, the State of Rhode Island, and OSHA. The USEPA and the State of Rhode Island regulate the use, removal and disposal of universal wastes, and OSHA regulates exposure to workers. Universal wastes must be managed and disposed of in accordance with current State and federal hazardous waste management regulations.

The USEPA and the State of Rhode Island regulate the disposal of material containing PCBs. The Toxic Substances Control Act and the implementing regulations found at 40 CFR 761 require that caulks, sealants, and glazing containing concentrations of PCBs of 50 parts per million (ppm) or greater must be disposed of as PCB bulk product waste in a permitted solid waste landfill or by completing a risk-based disposal process. Under USEPA's 2012 reinterpretation of 40 CFR 761, building materials impacted by migrating PCBs from adjacent PCB-containing caulks may be regulated under 40 CFR 761.62 as bulk product waste, provided the impacted building material is removed at the same time as the source material and managed appropriately.

Certain materials that contain PCB concentrations between 1 ppm up to 50 ppm may be categorized as Excluded PCB Products (see 40 CFR 761.3), provided they meet certain specific criteria. Any waste materials containing PCBs at any concentration have potential disposal considerations and require disposal at facilities that are permitted to accept such PCB-containing wastes.

6.0 CONCLUSIONS AND RECOMENDATIONS

Results of our survey identified the presence of Asbestos (ACM) and Hazardous Building Materials (HBMs) at the Site building as detailed above and in Tables 1 through 4. Based on these results, the following recommendations are made:

- Laboratory analysis of the samples collected during the survey identified the presence of asbestos in the following sampled building materials:
 - 12"x12" brown floor tile, 2nd floor, hallway
 - Exterior, main building, beige joint caulk, between concrete window sill
 - Exterior, main building, NE, beige glazing above wood frame doors
 - 12"x12" gray floor tile, ground floor
 - Ground floor, kitchen walk-in refrigerator, brown/gray insulation
 - Thermal pipe insulation, white, throughout (labeled)
- Prior to conducting renovation/demolition activities impacting confirmed or assumed ACM, retain a State-licensed asbestos abatement contractor to remove ACMs;
- Notify contractors of the potential asbestos, lead and PCB hazards per OSHA's Hazard Communication rule (29 CFR 1910.1200);



- Should other suspect asbestos-containing materials be discovered during demolition activities, work should immediately stop and the material should be characterized/evaluated for asbestos content or assumed positive and abated accordingly;
- Prior to conducting demolition activities impacting surfaces coated with lead paints, retain a State-licensed lead abatement contractor to abate lead-impacted materials in accordance with all USEPA, Rhode Island and OSHA standards;
- Prior to conducting demolition activities impacting confirmed or assumed hazardous materials, retain a qualified contractor to remove hazardous materials; and
- Universal wastes may either be removed and recycled, or disposed of in accordance with applicable state and federal regulations before renovations. If scheduled to be impacted and prior to the demolition work, the heating, ventilation and air conditioning units should be assessed to determine if they contain Freon gas and, if present, the gas should be removed and collected from the unit using USEPA-approved equipment and procedures, and in accordance with the USEPA regulations under the Clean Air Act.



TABLES

TABLE 1
SUSPECT ACM SAMPLE INVENTORY
ALDRICH JUNIOR HIGH
789 POST ROAD
Warwick, Rhode Island

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	ANALYTICAL RESULTS
001A	3" Cove Base, Blue	2nd floor, classroom, wall	NAD
001B	3" Cove Base, Blue	2nd floor, classroom, wall	NAD
002A	Mastic, Yellow	2nd floor, classroom, wall, assoc. w/ 001A	NAD
002B	Mastic, Yellow	2nd floor, classroom, wall, assoc. w/ 001B	NAD
003A	12"x12" Tile, Yellow	2nd floor, classroom, floor	NAD
003B	12"x12" Tile, Yellow	2nd floor, classroom, floor	NAD
004A	Mastic, Black	2nd floor, classroom, floor, assoc. w/ 003A	NAD
004B	Mastic, Black	2nd floor, classroom, floor, assoc. w/ 003B	NAD
005A	2'x4' Tile, Beige, Medium Indent	2nd floor, classroom, ceiling	NAD
005B	2'x4' Tile, Beige, Medium Indent	2nd floor, classroom, ceiling	NAD
006A	Wallboard, Gray	2nd floor, classroom, wall	NAD
006B	Wallboard, Gray	2nd floor, classroom, wall	NAD
007A	Plaster, White	2nd floor, classroom, wall	NAD
007B	Plaster, White	2nd floor, classroom, wall	NAD
008A	Caulk, Gray	2nd floor, classroom, window	NAD
008B	Caulk, Gray	2nd floor, classroom, window	NAD
009A	Anti-Condensate, Beige	2nd floor, classroom, sink, underside	NAD
009B	Anti-Condensate, Beige	2nd floor, classroom, sink, underside	NAD
010A	3" Cove Base, Red	2nd floor, wall	NAD
010A.1	Adhesive, Tan	2nd floor, wall	NAD
010B	3" Cove Base, Red	2nd floor, wall	NAD
010B.1	Adhesive, Tan	2nd floor, wall	NAD
011A	Waterproofing, Black	2nd floor, exterior, wall, on brick	NAD
011B	Waterproofing, Black	2nd floor, exterior, wall, on brick	NAD
012A	Corkboard, Beige	2nd floor, classroom, wall	NAD
012B	Corkboard, Beige	2nd floor, classroom, wall	NAD
013A	Adhesive, Brown	2nd floor, classroom, wall, assoc. w/ 012A	NAD
013B	Adhesive, Brown	2nd floor, classroom, wall, assoc. w/ 012B	NAD
014A	2'x2' Tile, Medium Indent, Beige	2nd floor, ceiling	NAD
014B	2'x2' Tile, Medium Indent, Beige	2nd floor, ceiling	NAD
015A	12"x12" Tile, Beige	2nd floor, ceiling, above 014A	NAD
015B	12"x12" Tile, Beige	2nd floor, ceiling, above 014B	NAD
016A	Glue Dab, Brown	2nd floor, ceiling, assoc. w/ 014A	NAD
016B	Glue Dab, Brown	2nd floor, ceiling, assoc. w/ 014B	NAD
017A	2'x2' Tile, Diamond Pattern, Gray	2nd floor, floor	NAD
017B	2'x2' Tile, Diamond Pattern, Gray	2nd floor, floor	NAD
018A	Tabletop, Black	2nd floor, science lab	NAD
018B	Tabletop, Black	2nd floor, science lab	NAD
019A	12"x12" Tile, Gray	2nd floor, floor	NAD
019B	12"x12" Tile, Gray	2nd floor, floor	NAD
020A	Mastic, Black	2nd floor, floor, assoc. w/ 019A	NAD
020B	Mastic, Black	2nd floor, floor, assoc. w/ 019B	NAD
021A	12"x12" Tile, Red	2nd floor, floor	NAD
021A.1	Mastic, Black	2nd floor, floor, assoc. w/ 021A	NAD
021A.2	Mastic, 2nd Side, Black	2nd floor, floor, assoc. w/ 021A	NAD
021B	12"x12" Tile, Red	2nd floor, floor	NAD
021B.1	Mastic, Black	2nd floor, floor, assoc. w/ 021B	NAD
021B.2	Mastic, 2nd Side, Black	2nd floor, floor, assoc. w/ 021B	NAD
022A	12"x12" Tile, Brown	2nd floor, floor	2% Chrysotile
022B	12"x12" Tile, Brown	2nd floor, floor	NA/PS
023A	Mastic, Black	2nd floor, floor, assoc. w/ 022A	NAD
023B	Mastic, Black	2nd floor, floor, assoc. w/ 022B	NAD
024A	3" Cove Base, Black	2nd floor, lab table	NAD
024B	3" Cove Base, Black	2nd floor, lab table	NAD
025A	Mastic, Tan	2nd floor, lab table, assoc. w/ 024A	NAD
025B	Mastic, Tan	2nd floor, lab table, assoc. w/ 024B	NAD
026A	Sheet Flooring, Brown	2nd floor, hallway, beneath lockers	NAD
026B	Sheet Flooring, Brown	2nd floor, hallway, beneath lockers	NAD
027A	Mastic, Gray	2nd floor, hallway, beneath lockers, assoc. w/ 026A	NAD
027B	Mastic, Gray	2nd floor, hallway, beneath lockers, assoc. w/ 026B	NAD
028A	Surfacing Material, Gray	2nd floor, elevator doorway, wall	NAD
028B	Surfacing Material, Gray	2nd floor, elevator doorway, wall	NAD
028C	Surfacing Material, Gray	2nd floor, elevator doorway, wall	NAD
029A	Brick Mortar, Gray	Interior, hallway, wall	NAD
029B	Brick Mortar, Gray	Interior, hallway, wall	NAD
030A	Joint Caulk, Cream	Ext., addition, rear, between brick and windows	NAD
030B	Joint Caulk, Cream	Ext., addition, rear, between brick and windows	NAD
031A	Caulk, Gray	Ext., main building, between brick and wood frame	NAD
031B	Caulk, Gray	Ext., main building, between brick and wood frame	NAD
032A	Joint Caulk, Beige	Ext., main building, between concrete window sill	2% Chrysotile
032B	Joint Caulk, Beige	Ext., main building, between concrete window sill	NA/PS
033A	Caulk, White	Ext., main building, one-story bump-out, windows	NAD
033B	Caulk, White	Ext., main building, one-story bump-out, windows	NAD
034A	Glazing, Beige	N.E. Ext., main building, wood frame, above door	2% Chrysotile
034B	Glazing, Beige	N.E. Ext., main building, wood frame, above door	NA/PS
035A	Joint Caulk, Gray	N.E. Ext., main building, between brick and aluminum window frame	NAD
035B	Joint Caulk, Gray	N.E. Ext., main building, between brick and aluminum window frame	NAD
036A	Glazing, Beige	Ext., main building, entrance, on wood frame	NAD
036B	Glazing, Beige	Ext., main building, entrance, on wood frame	NAD
037A	Wallboard, Gray	1st floor, wall	NAD
037B	Wallboard, Gray	1st floor, wall	NAD
038A	Plaster, White	1st floor, wall, assoc. w/ 037A	NAD
038B	Plaster, White	1st floor, wall, assoc. w/ 037B	NAD
039A	1'x1' Tile, Beige	1st floor, hallway, ceiling, above drop ceiling	NAD
039B	1'x1' Tile, Beige	1st floor, hallway, ceiling, above drop ceiling	NAD
040A	Fiberboard, Brown	1st floor, main office, wall	NAD
040B	Fiberboard, Brown	1st floor, main office, wall	NAD
041A	12"x12" Tile, White w/ Gray Specks	1st floor, floor	NAD
041B	12"x12" Tile, White w/ Gray Specks	1st floor, floor	NAD
042A	Glue Dabs, Yellow	1st floor, addition, dry erase board	NAD
042B	Glue Dabs, Yellow	1st floor, addition, dry erase board	NAD
043A	3" Cove Base, Brown	Gym, wall	NAD
043B	3" Cove Base, Brown	Gym, wall	NAD
044A	Mastic, White	Gym, wall, assoc. w/ 043A	NAD
044B	Mastic, White	Gym, wall, assoc. w/ 043B	NAD
045A	12"x12" Tile, Gray	Auditorium, floor	NAD
045B	12"x12" Tile, Gray	Auditorium, floor	NAD
046A	Mastic, Tan	Auditorium, floor, assoc. w/ 045A	NAD
046B	Mastic, Tan	Auditorium, floor, assoc. w/ 045B	NAD
047A	12"x12" Tile, Gray	Ground floor, floor	2% Chrysotile
047A.1	Mastic, Black	Ground floor, floor assoc. w/047A	NAD
047B	12"x12" Tile, Gray	Ground floor, floor	NA/PS
047B.1	Mastic, Black	Ground floor, floor assoc. w/047B	NAD
048A	Insulation, Brown/gray	Ground floor, kitchen, walk-in refrigerator	3% Chrysotile
048B	Insulation, Brown/gray	Ground floor, kitchen, walk-in refrigerator	NA/PS

TABLE 1
SUSPECT ACM SAMPLE INVENTORY
ALDRICH JUNIOR HIGH
789 POST ROAD
Warwick, Rhode Island

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	ANALYTICAL RESULTS
Roofing Materials			
001A	EPDM, Black	Roof, Main, NW	NAD
001B	EPDM, Black	Roof, Main, W	NAD
001C	EPDM, Black	Roof, Main, SW	NAD
001D	EPDM, Black	Roof, Main, SW	NAD
001E	EPDM, Black	Roof, Main, S	NAD
001F	EPDM, Black	Roof, Main, SE	NAD
001G	EPDM, Black	Roof, Main, E	NAD
001H	EPDM, Black	Roof, Main, NE	NAD
001I	EPDM, Black	Roof, Main, N	NAD
002A	Poly-iso Insulation, Yellow	Roof, Main, NW	NAD
002B	Poly-iso Insulation, Yellow	Roof, Main, W	NAD
002C	Poly-iso Insulation, Yellow	Roof, Main, SW	NAD
002D	Poly-iso Insulation, Yellow	Roof, Main, SW	NAD
002E	Poly-iso Insulation, Yellow	Roof, Main, S	NAD
002F	Poly-iso Insulation, Yellow	Roof, Main, SE	NAD
002G	Poly-iso Insulation, Yellow	Roof, Main, E	NAD
002H	Poly-iso Insulation, Yellow	Roof, Main, NE	NAD
002I	Poly-iso Insulation, Yellow	Roof, Main, N	NAD
003A	Tar & Gravel, Black	Roof, Main, NW	NAD
003B	Tar & Gravel, Black	Roof, Main, W	NAD
003C	Tar & Gravel, Black	Roof, Main, SW	NAD
003D	Tar & Gravel, Black	Roof, Main, SW	NAD
003E	Tar & Gravel, Black	Roof, Main, S	NAD
003F	Tar & Gravel, Black	Roof, Main, SE	NAD
003G	Tar & Gravel, Black	Roof, Main, E	NAD
003H	Tar & Gravel, Black	Roof, Main, NE	NAD
003I	Tar & Gravel, Black	Roof, Main, N	NAD
004A	Fiberboard Insulation, Brown	Roof, Main, NW	NAD
004B	Fiberboard Insulation, Brown	Roof, Main, W	NAD
004C	Fiberboard Insulation, Brown	Roof, Main, SW	NAD
004D	Fiberboard Insulation, Brown	Roof, Main, SW	NAD
004E	Fiberboard Insulation, Brown	Roof, Main, S	NAD
004F	Fiberboard Insulation, Brown	Roof, Main, SE	NAD
004G	Fiberboard Insulation, Brown	Roof, Main, E	NAD
004H	Fiberboard Insulation, Brown	Roof, Main, NE	NAD
004I	Fiberboard Insulation, Brown	Roof, Main, N	NAD
005A	Seam Sealant, Black	Roof, Main, NW	NAD
005B	Seam Sealant, Black	Roof, Main, W	NAD
005C	Seam Sealant, Black	Roof, Main, SW	NAD
005D	Seam Sealant, Black	Roof, Main, SW	NAD
005E	Seam Sealant, Black	Roof, Main, S	NAD
005F	Seam Sealant, Black	Roof, Main, SE	NAD
005G	Seam Sealant, Black	Roof, Main, E	NAD
005H	Seam Sealant, Black	Roof, Main, NE	NAD
005I	Seam Sealant, Black	Roof, Main, N	NAD
006A	Flashing Tar, Black	Roof, Main, 4" Vent Pipe	NAD
006B	Flashing Tar, Black	Roof, Main, 4" Vent Pipe	NAD
006C	Flashing Tar, Black	Roof, Main, 4" Vent Pipe	NAD
007A	Flashing Tar, Black	Roof, Main, NE, Vent	NAD
007B	Flashing Tar, Black	Roof, Main, SE, Vent	NAD
007C	Flashing Tar, Black	Roof, Main, W, Vent	NAD
008A	Flashing Tar, Black	Roof, Parapet wall, North	NAD
008B	Flashing Tar, Black	Roof, Parapet wall, North	NAD
008C	Flashing Tar, Black	Roof, Parapet wall, North	NAD
009A	EPDM, Black	Roof, North, Center	NAD
009B	EPDM, Black	Roof, North, Center	NAD
009C	EPDM, Black	Roof, North, Center	NAD
010A	Poly-iso Insulation, Yellow	Roof, North, Center	NAD
010B	Poly-iso Insulation, Yellow	Roof, North, Center	NAD
010C	Poly-iso Insulation, Yellow	Roof, North, Center	NAD
011A	Tar & Gravel, Black	Roof, North, Center	NAD
011B	Tar & Gravel, Black	Roof, North, Center	NAD
011C	Tar & Gravel, Black	Roof, North, Center	NAD
012A	Fiberboard Insulation, Brown	Roof, North, Center	NAD
012B	Fiberboard Insulation, Brown	Roof, North, Center	NAD
012C	Fiberboard Insulation, Brown	Roof, North, Center	NAD
013A	Seam Sealant, Black	Roof, North, Center	NAD
013B	Seam Sealant, Black	Roof, North, Center	NAD
013C	Seam Sealant, Black	Roof, North, Center	NAD
014A	EPDM, Black	Roof, NW, Lower Section	NAD
014B	EPDM, Black	Roof, NW, Lower Section	NAD
014C	EPDM, Black	Roof, NW, Lower Section	NAD
015A	Poly-iso Insulation, Yellow	Roof, NW, Lower Section	NAD
015B	Poly-iso Insulation, Yellow	Roof, NW, Lower Section	NAD
015C	Poly-iso Insulation, Yellow	Roof, NW, Lower Section	NAD
016A	Tar & Gravel, Black	Roof, NW, Lower Section	NAD
016B	Tar & Gravel, Black	Roof, NW, Lower Section	NAD
016C	Tar & Gravel, Black	Roof, NW, Lower Section	NAD
017A	Fiberboard Insulation, Brown	Roof, NW, Lower Section	NAD
017B	Fiberboard Insulation, Brown	Roof, NW, Lower Section	NAD
017C	Fiberboard Insulation, Brown	Roof, NW, Lower Section	NAD
018A	EPDM, Black	Roof, NW	NAD
018B	EPDM, Black	Roof, NW	NAD
018C	EPDM, Black	Roof, NW	NAD
019A	Poly-iso Insulation, Yellow	Roof, NW	NAD
019B	Poly-iso Insulation, Yellow	Roof, NW	NAD
019C	Poly-iso Insulation, Yellow	Roof, NW	NAD
020A	Fiberboard Insulation, Brown	Roof, NW	NAD
020B	Fiberboard Insulation, Brown	Roof, NW	NAD
020C	Fiberboard Insulation, Brown	Roof, NW	NAD
021A	Poly-iso Insulation, Yellow	Roof, NW	NAD
021B	Poly-iso Insulation, Yellow	Roof, NW	NAD
021C	Poly-iso Insulation, Yellow	Roof, NW	NAD
022A	EPDM, Black	Roof, NE, Lower Section	NAD
022B	EPDM, Black	Roof, NE, Lower Section	NAD
022C	EPDM, Black	Roof, NE, Lower Section	NAD
023A	Poly-iso Insulation, Yellow	Roof, NE, Lower Section	NAD
023B	Poly-iso Insulation, Yellow	Roof, NE, Lower Section	NAD
023C	Poly-iso Insulation, Yellow	Roof, NE, Lower Section	NAD
024A	Tar & Gravel, Black	Roof, NE, Lower Section	NAD
024B	Tar & Gravel, Black	Roof, NE, Lower Section	NAD
024C	Tar & Gravel, Black	Roof, NE, Lower Section	NAD
025A	Insulation, Foam, Rigid, Gray	Roof, NE, Lower Section	NAD
025B	Insulation, Foam, Rigid, Gray	Roof, NE, Lower Section	NAD
025C	Insulation, Foam, Rigid, Gray	Roof, NE, Lower Section	NAD

NOTES:

NAD - No Asbestos Detected

NA/PS - Sample Not Analyzed Due To Positive Stop

TABLE 2
CONFIRMED ASBESTOS-CONTAINING MATERIAL RESULTS
ALDRICH JUNIOR HIGH
789 Post Road
Warwick, RI

MATERIAL DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	USEPA CATEGORY	CONDITION	ESTIMATED QUANTITY
12"x12" tile, brown	2nd floor, floor	2% Chrysotile	Cat. I Nonfriable	Slightly damaged	4,500 SF
12"x12" Tile, gray	Ground floor, floor	2% Chrysotile	Cat. I Nonfriable	Damaged	4,500 SF
Joint Caulk, beige	Ext., main building, between concrete window sill	2% Chrysotile	Cat. I Nonfriable	Slightly damaged	240 LF
Glazing, beige	N.E. Ext., main building, wood frame, above door	2% Chrysotile	Cat. I Nonfriable	Damaged	100 LF
Insulation, brown/gray	Ground floor, kitchen, walk-in refridgerator	3% Chrysotile	RACM	Slightly damaged	500 SF
Thermal pipe insulation, gray/white	Throughout	Presumed (labeled)	RACM	Slightly damaged	5,000 LF

1. LF = Linear Feet, SF = Square Feet

2. RACM: Includes materials that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure.

3. Category I Non-friable: Includes asbestos-containing packings, gaskets, asphaltic roofing products, resilient flooring, pliable sealants and mastics.

4. Category II Non-friable: Includes any non-friable materials other than Category I materials that contain more than 1% asbestos.

This summary includes the location, material type, and approximate quantities of accessible asbestos identified in the site buildings. Quantities of materials were assessed by a non-calibrated wheeled tape measure or visual estimation and should be considered as approximate values. It should be noted that these are only estimates, and are based on limited visual observations of accessible areas of the site.

TABLE 3
PCB SAMPLE SUMMARY
 789 Post Road
 Warwick, Rhode Island

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	CONCENTRATION (mg/kg) - TYPE PCB
PCB-01	Joint caulk, crème	Ext., addition, rear, between brick and windows	Aroclor 1254 - 24.3
PCB-02	Caulk, gray	Ext., main building, between brick and wood framed windows	BRL
PCB-03	Joint caulk, beige	Ext., main building, between concrete window sill	BRL
PCB-04	Caulk, white	Ext., main building, one-story bump out, windows	BRL
PCB-05	Joint caulk, gray	Ext., main building, between brick and aluminum window frame	BRL

NOTES:

1. mg/kg: milligram per kilogram
2. BRL: Below Reporting Limit
3. BOLD: USEPA level > 50 mg/kg defined as a PCB Bulk Product Waste.
4. Analysis conducted for PCBs via USEPA Method SW846-8082A.

TABLE 4
HAZARDOUS MATERIALS INVENTORY
ALDRICH JUNIOR HIGH
789 Post Road
Warwick, Rhode Island

MATERIAL DESCRIPTION	HAZARD	ESTIMATED QUANTITY	NOTES
Main Building			
Fluorescent light bulb -2'	Mercury	32 Units	
Fluorescent light bulb -4'	Mercury	1,217 Units	
Fluorescent light bulb -8'	Mercury	34 Units	
Fluorescent light ballast	PCBs/DEHP	696 Units	
Refrigerator	CFCs	1 Unit	Walk-in
Emergency/exit light battery	Lead acid batteries	153 Units	
Switches/Fuse box	Mercury	25 Units	
Mercury Thermostats	Mercury	90 Units	
Hydraulic door closers	Oils	20 Units	
Halogen bulb	Mercury/Iodine/Bromine	69 Units	
Smoke detector	Radioactive Material	177 Units	
Underground Storage Tank (UST)	Fuel Oil	1 Unit	Exterior, 5,000 gal
Transformer	PCBs	3 Units	Mechanical room
Hydraulic elevator	Oils	1 Unit	
A/C units	CFCs	8 Units	Window-mounted
Furnace/boiler	Flammable/Oils	4 Units	(2) 15 PSI, (1) 150 PSI and (1) 200 PSI
Water heater	Mercury	2 Units	
Air Compressor	Flammable/Oils	1 Unit	
Fire extinguisher	Compressed Gas/Liquid	14 Units	



FIGURES

© 2021 - GZA GeoEnvironmental, Inc. GZA-J:\ENV\34957.EMB\FIGURES\CAD\DWGS\34957.00-PHASE 1 ESA.DWG FIG.1 - ESA (ALDRICH JUNIOR) JUNE 8, 2022 MICHAEL AUBIN

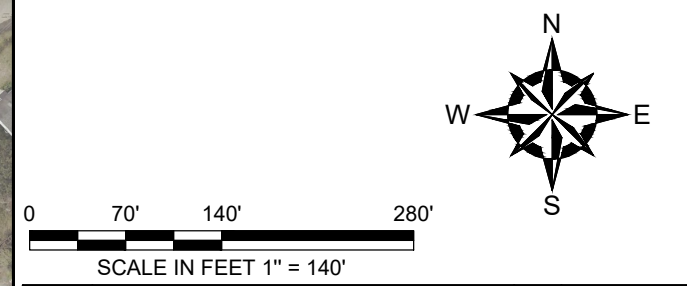


GENERAL NOTES

1. DIGITAL AERIAL ORTHOPHOTOGRAPHY PROVIDED BY RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS). THE IMAGE WAS OBTAINED ON DECEMBER 2021 AND WERE RELEASED IN 2019.
2. PROPERTY BOUNDARY OBTAINED FROM THE CITY OF WARWICK GEOGRAPHIC INFORMATION SYSTEM AND ARE TO CONSIDERED ACCURATE TO THE METHOD WHICH THEY WERE OBTAINED.

LEGEND

----- INDICATES APPROXIMATE PROPERTY BOUNDARY



NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

ALDRICH JUNIOR HIGH SCHOOL
789 POST RD
WARWICK, RI

SITE PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: CITY OF WARWICK WARWICK, RI 02886
--	---

PROJ MGR: EMB	REVIEWED BY: EAS	CHECKED BY: MEA	FIGURE
DESIGNED BY: EMB	DRAWN BY: ADD	SCALE: 1" = 140'	3
DATE: AUGUST 2022	PROJECT NO. 34957.00	REVISION NO. 0	
			SHEET NO. 3 OF 5



APPENDIX A
LIMITATIONS

LIMITATIONS



1. GZA GeoEnvironmental, Inc.'s (GZA's) asbestos/lead-containing paint/hazardous materials evaluation was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and GZA observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. GZA's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the asbestos/LCP/hazardous materials evaluation. No other warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Sites contains no asbestos-containing materials, lead-containing paint, hazardous materials, polychlorinated biphenyls or other latent condition beyond that observed by GZA during its asbestos/LCP/hazardous materials evaluation.
2. This survey report, which presents our findings, is not to be used as a bid document/work plan, or in place of a work plan, for conducting asbestos, LCP and hazardous materials abatement. When an asbestos abatement work plan is prepared, the USEPA and the RIDOH require that an USEPA-certified accredited Asbestos Project Designer prepare the plan. GZA recommends that a work plan be prepared and a bid walkthrough be administered by licensed GZA personnel familiar with the on-site conditions.
3. The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the proposed Scope of Services.
4. The conclusions and recommendations contained in this report are based on limited environmental sampling and visual observations, and were arrived at in accordance with generally accepted standards of industrial hygiene practice. No other warranty, expressed or implied, is made.
5. Where sample analyses were conducted by an outside laboratory, GZA has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.
6. The purpose of this report was to assess the physical characteristics of the subject Site with respect to the presence of hazardous materials in the Site building. No specific attempt was made to check on the compliance by any party with federal, State, or local laws and regulations.
7. Observations were made of the Sites as indicated within the report. While it was GZA's intent to conduct a thorough survey, it is important to note that we cannot guarantee that all asbestos or potentially hazardous materials within the surveyed area have been identified. ACMs, LCP, PCBs and universal wastes have frequently been used in areas where detection is difficult until renovation, demolition, and/or asbestos abatement work begins and allows access to these remote areas. Where access to portions of the Sites were unavailable or limited, GZA has provided an opinion as to the likely presence of hazardous materials consistent with the information available. Suspect materials made accessible during demolition activities must be assumed to be hazardous and handled as such, until testing proves otherwise.



APPENDIX B
CERTIFICATIONS



State of Rhode Island and Providence Plantations
DEPARTMENT OF HEALTH
CENTER FOR HEALTHY HOMES & ENVIRONMENT – ASBESTOS PROGRAM
ASBESTOS CONSULTANT CERTIFICATION

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the Rhode Island General Laws, and Regulation 216-RICR-50-15-1 – Asbestos Control, this license is hereby issued as designated below. This license is subject to all applicable rules, regulations, orders and notices of the Department of Health now or hereafter in effect and to any conditions delineated below.

Certificate Holder: ERIK BELOFF

**Address: GZA ENVIRONMENTAL INC
530 BROADWAY
PROVIDENCE RI 02909**

Certification Number: AI00938

Type of Certification: Asbestos Inspector

Expiration Date: 10/31/2022

Except as specifically provided otherwise in this Certificate, Certificate holders shall conduct their program in accordance with statements, procedures and representations contained in their application, including any attachments. Regulation 216-RICR-50-15-1 - Asbestos Control shall govern unless the statements, representations and procedures in the Certificate Holder's application and documentation are more restrictive than the regulations.

Raquel Barrera
Sr. Community Program Liaison Worker
Healthy Homes and Environment

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101768-0

Eurofins CEI, Inc.

Cary, NC

*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 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2022-04-01 through 2023-03-31

Effective Dates



Jane S. Glaman
For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins CEI, Inc.
730 SE Maynard Road
Cary, NC 27511
Dr. Tianbao Bai
Phone: 919-481-1413 Fax: 919-481-1442
Email: tianbao.bai@eurofinset.com
<http://www.eurofinsus.com/CEI>

ASBESTOS FIBER ANALYSIS

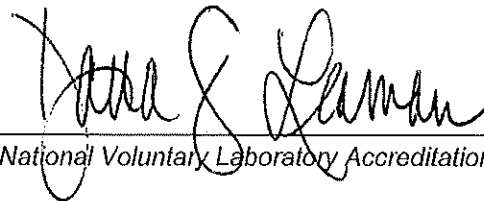
NVLAP LAB CODE 101768-0

Bulk Asbestos Analysis

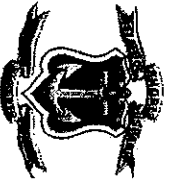
<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

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.



For the National Voluntary Laboratory Accreditation Program



State of Rhode Island and Providence Plantations
DEPARTMENT OF HEALTH
CENTER FOR HEALTHY HOMES & ENVIRONMENT - ASBESTOS PROGRAM

ASBESTOS ANALYTICAL SERVICES CERTIFICATION

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the Rhode Island General Laws, and Regulation 216-RICR-50-15-1 - Asbestos Control, this license is hereby issued as designated below. This license is subject to all applicable rules, regulations, orders and notices of the Department of Health now or hereafter in effect and to any conditions delineated below.

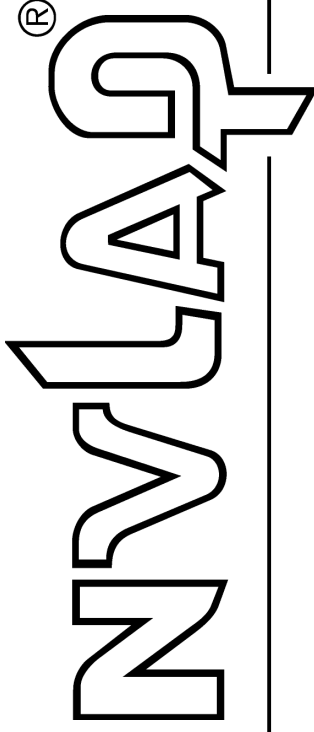
Certificate Holder: EUROFINNS CEL, INC
Address: 730 SE MAYNARD RD
CARY NC 27511

Certification Number: PLM00103
Expiration Date: 06/30/2022
Type of Certification: Analytical Service - PLM

Except as specifically provided otherwise in this Certificate, Certificate Holders shall conduct their program in accordance with statements, procedures and representations contained in their application, including any attachments. Regulation 216-RICR-50-15-1 - Asbestos Control shall govern unless the statements representations and procedures in the Certificate Holder's application and documentation are more restrictive than the Regulation.

Raquel Barrera
Sr. Community Program Liaison Worker
Healthy Homes and Environment

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200090-0

ProScience Analytical Services, Inc.

Woburn, MA

*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 17025:2017.
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).*

2021-01-01 through 2021-12-31

Effective Dates

A handwritten signature in black ink, appearing to read "Peter S. Lamm".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ProScience Analytical Services, Inc.

22 Cummings Park
Woburn, MA 01801-2122
Ms. Aimee Cormier
Phone: 781-935-3212 Fax: 781-932-4857
Email: aimee.cormier@proscience.net
<http://www.proscience.net>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200090-0

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.

For the National Voluntary Laboratory Accreditation Program



State of Rhode Island and Providence Plantations
DEPARTMENT OF HEALTH
CENTER FOR HEALTHY HOMES & ENVIRONMENT – ASBESTOS PROGRAM

ASBESTOS CONSULTANT CERTIFICATION

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the Rhode Island General Laws, and Regulation 216-RICR-50-15-1 – Asbestos Control, this license is hereby issued as designated below. This license is subject to all applicable rules, regulations, orders and notices of the Department of Health now or hereafter in effect and to any conditions delineated below.

Certificate Holder: **BENJAMIN RAMOS**
Address: **NONE**
UNKNOWN NA 00000

Certification Number: **AI01136**
Type of Certification: **Asbestos Inspector**
Expiration Date: **09/30/2022**

Except as specifically provided otherwise in this Certificate, Certificate holders shall conduct their program in accordance with statements, procedures and representations contained in their application, including any attachments. Regulation 216-RICR-50-15-1 - Asbestos Control shall govern unless the statements, representations and procedures in the Certificate Holder's application and documentation are more restrictive than the regulations.

Raquel Barrera

Raquel Barrera
Sr. Community Program Liaison Worker
Healthy Homes and Environment



APPENDIX C

LABORATORY ANALYTICAL REPORTS



CERTIFICATE OF ANALYSIS

Erik Beloff
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: Warwick Schools (34957.00)
ESS Laboratory Work Order Number: 21J0520

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 1:49 pm, Oct 25, 2021

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools

ESS Laboratory Work Order: 21J0520

SAMPLE RECEIPT

The following samples were received on October 15, 2021 for the analyses specified on the enclosed Chain of Custody Record.

The cooler temperature was not within the acceptance criteria of $\leq 6^{\circ}\text{C}$.

<u>Lab Number</u>	<u>Sample Name</u>	<u>Matrix</u>	<u>Analysis</u>
21J0520-01	PCB-01	Solid	8082A
21J0520-02	PCB-02	Solid	8082A
21J0520-03	PCB-03	Solid	8082A
21J0520-04	PCB-04	Solid	8082A
21J0520-05	PCB-05	Solid	8082A



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools

ESS Laboratory Work Order: 21J0520

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools

ESS Laboratory Work Order: 21J0520

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

- 1010A - Flashpoint
- 6010C - ICP
- 6020A - ICP MS
- 7010 - Graphite Furnace
- 7196A - Hexavalent Chromium
- 7470A - Aqueous Mercury
- 7471B - Solid Mercury
- 8011 - EDB/DBCP/TCP
- 8015C - GRO/DRO
- 8081B - Pesticides
- 8082A - PCB
- 8100M - TPH
- 8151A - Herbicides
- 8260B - VOA
- 8270D - SVOA
- 8270D SIM - SVOA Low Level
- 9014 - Cyanide
- 9038 - Sulfate
- 9040C - Aqueous pH
- 9045D - Solid pH (Corrosivity)
- 9050A - Specific Conductance
- 9056A - Anions (IC)
- 9060A - TOC
- 9095B - Paint Filter
- MADEP 04-1.1 - EPH
- MADEP 18-2.1 - VPH

Prep Methods

- 3005A - Aqueous ICP Digestion
- 3020A - Aqueous Graphite Furnace / ICP MS Digestion
- 3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
- 3060A - Solid Hexavalent Chromium Digestion
- 3510C - Separatory Funnel Extraction
- 3520C - Liquid / Liquid Extraction
- 3540C - Manual Soxhlet Extraction
- 3541 - Automated Soxhlet Extraction
- 3546 - Microwave Extraction
- 3580A - Waste Dilution
- 5030B - Aqueous Purge and Trap
- 5030C - Aqueous Purge and Trap
- 5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Warwick Schools
 Client Sample ID: PCB-01
 Date Sampled: 10/14/21 00:00
 Percent Solids: N/A
 Initial Volume: 2.16
 Final Volume: 10
 Extraction Method: 3540C

ESS Laboratory Work Order: 21J0520
 ESS Laboratory Sample ID: 21J0520-01
 Sample Matrix: Solid
 Units: mg/kg wet
 Analyst: JLG
 Prepared: 10/15/21 19:00

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1221	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1232	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1242	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1248	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1254 [2C]	24.3 (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1260	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1262	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506
Aroclor 1268	ND (1.2)		8082A		5	10/22/21 21:47		DJ11506

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	75 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	90 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	95 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	100 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Warwick Schools
 Client Sample ID: PCB-02
 Date Sampled: 10/14/21 00:00
 Percent Solids: N/A
 Initial Volume: 2.24
 Final Volume: 10
 Extraction Method: 3540C

ESS Laboratory Work Order: 21J0520
 ESS Laboratory Sample ID: 21J0520-02
 Sample Matrix: Solid
 Units: mg/kg wet
 Analyst: JLG
 Prepared: 10/15/21 19:00

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.4)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1221	ND (0.4)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1232	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1242	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1248	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1254	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1260	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1262	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506
Aroclor 1268	ND (0.2)		8082A		1	10/18/21 22:21		DJ11506

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	31 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	37 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	48 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	64 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Warwick Schools
 Client Sample ID: PCB-03
 Date Sampled: 10/14/21 00:00
 Percent Solids: N/A
 Initial Volume: 2.79
 Final Volume: 10
 Extraction Method: 3540C

ESS Laboratory Work Order: 21J0520
 ESS Laboratory Sample ID: 21J0520-03
 Sample Matrix: Solid
 Units: mg/kg wet
 Analyst: JLG
 Prepared: 10/15/21 19:00

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.4)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1221	ND (0.4)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1232	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1242	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1248	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1254	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1260	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1262	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506
Aroclor 1268	ND (0.2)		8082A		1	10/18/21 22:40		DJ11506

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	43 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	64 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	74 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	91 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools
Client Sample ID: PCB-04
Date Sampled: 10/14/21 00:00
Percent Solids: N/A
Initial Volume: 2.2
Final Volume: 10
Extraction Method: 3540C

ESS Laboratory Work Order: 21J0520
ESS Laboratory Sample ID: 21J0520-04
Sample Matrix: Solid
Units: mg/kg wet
Analyst: JLG
Prepared: 10/15/21 19:00

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.5)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1221	ND (0.5)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1232	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1242	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1248	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1254	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1260	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1262	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506
Aroclor 1268	ND (0.2)		8082A		1	10/18/21 23:00		DJ11506

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	72 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	77 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	100 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	107 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Warwick Schools
 Client Sample ID: PCB-05
 Date Sampled: 10/14/21 00:00
 Percent Solids: N/A
 Initial Volume: 2.45
 Final Volume: 10
 Extraction Method: 3540C

ESS Laboratory Work Order: 21J0520
 ESS Laboratory Sample ID: 21J0520-05
 Sample Matrix: Solid
 Units: mg/kg wet
 Analyst: JLG
 Prepared: 10/15/21 19:00

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.4)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1221	ND (0.4)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1232	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1242	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1248	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1254	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1260	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1262	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506
Aroclor 1268	ND (0.2)		8082A		1	10/18/21 23:20		DJ11506

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	55 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	74 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	75 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	116 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools

ESS Laboratory Work Order: 21J0520

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8082A Polychlorinated Biphenyls (PCB)

Batch DJ11506 - 3540C

Blank

Aroclor 1016	ND	0.02	mg/kg wet							
Aroclor 1016 [2C]	ND	0.02	mg/kg wet							
Aroclor 1221	ND	0.02	mg/kg wet							
Aroclor 1221 [2C]	ND	0.02	mg/kg wet							
Aroclor 1232	ND	0.02	mg/kg wet							
Aroclor 1232 [2C]	ND	0.02	mg/kg wet							
Aroclor 1242	ND	0.02	mg/kg wet							
Aroclor 1242 [2C]	ND	0.02	mg/kg wet							
Aroclor 1248	ND	0.02	mg/kg wet							
Aroclor 1248 [2C]	ND	0.02	mg/kg wet							
Aroclor 1254	ND	0.02	mg/kg wet							
Aroclor 1254 [2C]	ND	0.02	mg/kg wet							
Aroclor 1260	ND	0.02	mg/kg wet							
Aroclor 1260 [2C]	ND	0.02	mg/kg wet							
Aroclor 1262	ND	0.02	mg/kg wet							
Aroclor 1262 [2C]	ND	0.02	mg/kg wet							
Aroclor 1268	ND	0.02	mg/kg wet							
Aroclor 1268 [2C]	ND	0.02	mg/kg wet							

Surrogate: Decachlorobiphenyl	0.0273		mg/kg wet	0.02500		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0249		mg/kg wet	0.02500		99	30-150			
Surrogate: Tetrachloro-m-xylene	0.0214		mg/kg wet	0.02500		86	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0240		mg/kg wet	0.02500		96	30-150			

LCS

Aroclor 1016	0.5	0.02	mg/kg wet	0.5000		108	40-140			
Aroclor 1016 [2C]	0.5	0.02	mg/kg wet	0.5000		98	40-140			
Aroclor 1260	0.6	0.02	mg/kg wet	0.5000		111	40-140			
Aroclor 1260 [2C]	0.5	0.02	mg/kg wet	0.5000		101	40-140			

Surrogate: Decachlorobiphenyl	0.0303		mg/kg wet	0.02500		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0267		mg/kg wet	0.02500		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.0258		mg/kg wet	0.02500		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0261		mg/kg wet	0.02500		104	30-150			

LCS Dup

Aroclor 1016	0.6	0.02	mg/kg wet	0.5000		111	40-140	3	30	
Aroclor 1016 [2C]	0.5	0.02	mg/kg wet	0.5000		95	40-140	3	30	
Aroclor 1260	0.5	0.02	mg/kg wet	0.5000		105	40-140	5	30	
Aroclor 1260 [2C]	0.5	0.02	mg/kg wet	0.5000		99	40-140	2	30	

Surrogate: Decachlorobiphenyl	0.0295		mg/kg wet	0.02500		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0259		mg/kg wet	0.02500		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.0247		mg/kg wet	0.02500		99	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0250		mg/kg wet	0.02500		100	30-150			



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools

ESS Laboratory Work Order: 21J0520

Notes and Definitions

- U Analyte included in the analysis, but not detected
- D Diluted.
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report
- RL Reporting Limit
- EDL Estimated Detection Limit
- MF Membrane Filtration
- MPN Most Probable Number
- TNTC Too numerous to Count
- CFU Colony Forming Units



CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Warwick Schools

ESS Laboratory Work Order: 21J0520

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/find/labs/analytical/ESS.pdf>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002

<http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml>

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/Labcert/Labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006

http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752

<http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx>

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21J0520

Date Received: 10/15/2021

Shipped/Delivered Via: ESS Courier client
10/15/21

Project Due Date: 10/22/2021

Days for Project: 5 Day

- 1. Air bill manifest present? No
Air No.: NA
- 2. Were custody seals present? No
- 3. Is radiation count <100 CPM? Yes
- 4. Is a Cooler Present? Yes
Temp: 25.6 Iced with: None
- 5. Was COC signed and dated by client? Yes

- 6. Does COC match bottles? Yes
- 7. Is COC complete and correct? Yes
- 8. Were samples received intact? Yes
- 9. Were labs informed about short holds & rushes? Yes / No / NA
- 10. Were any analyses received outside of hold time? Yes / No

- 11. Any Subcontracting needed? Yes / No
ESS Sample IDs: _____
Analysis: _____
TAT: _____

- 12. Were VOAs received? Yes / No
a. Air bubbles in aqueous VOAs? Yes / No
b. Does methanol cover soil completely? Yes / No / NA

- 13. Are the samples properly preserved? Yes / No
a. If metals preserved upon receipt: Date: _____ Time: _____ By: _____
b. Low Level VOA vials frozen: Date: _____ Time: _____ By: _____

Sample Receiving Notes:

No cooling media

- 14. Was there a need to contact Project Manager? Yes / No
a. Was there a need to contact the client? Yes / No
Who was contacted? _____ Date: _____ Time: _____ By: _____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	218534	Yes	N/A	Yes	Plastic Baggie	NP	
2	218535	Yes	N/A	Yes	Plastic Baggie	NP	
3	218536	Yes	N/A	Yes	Plastic Baggie	NP	
4	218537	Yes	N/A	Yes	Plastic Baggie	NP	
5	218538	Yes	N/A	Yes	Plastic Baggie	NP	

2nd Review

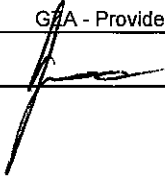
- Were all containers scanned into storage/lab? Initials: TD
- Are barcode labels on correct containers? Yes / No
- Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
- Are all Hex Chrome stickers attached? Yes / No / NA
- Are all QC stickers attached? Yes / No / NA
- Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: [Signature] Date & Time: 10-15-21 13:25

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21J0520

By: 

Date Received: 10/15/2021

Date & Time: 10/15/21 13:21



185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 210520 Page 2 of 2

Turn Time >5 5 4 3 2 1 Same Day

Regulatory State: RI Criteria:

Is this project for any of the following?:

CT RCP MA MCP RGP Permit 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

Limit Checker State Forms EQulS
 Excel Hard Copy Enviro Data
 CLP-Like Package Other (Specify) → PDF

CLIENT INFORMATION

Client: GZA
 Address: 182 Valley St. Suite 200
Providence RI, 02904
 Phone: 401-230-8747
 Email Distribution List:
evrk.bel@fca.gza.com

PROJECT INFORMATION

Project Name: Warrick Schools
 Project Location: Warrick RI
 Project Number: 34957.00
 Project Manager: Erkk Beloff
 Bill to: GZA
 PO#:
 Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID														Total Number of Bottles
1	10/14/21	-	Grab	Solnd	PCB-01	X													
2	↓	↓	↓	↓	PCB-02	X													
3	↓	↓	↓	↓	PCB-03	X													
4	↓	↓	↓	↓	PCB-04	X													
5	↓	↓	↓	↓	PCB-05	X													

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by: Erkk Beloff / Ben Bannery Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only	Comments: * Please specify "Other" preservative and containers types in this space	All samples submitted are subject to ESS Laboratory's payment terms and conditions.	Dissolved Filtration
Cooler Temperature (°C): <u>25.6</u> <u>no ice</u>	Project Location: <u>Aldrich Jr High; 789 Post Rd.</u>		<input type="checkbox"/> Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
<i>[Signature]</i>	10/15/21	1305	<i>[Signature]</i>				

June 7, 2022

GZA GeoEnvironmental
530 Broadway
Providence , RI 02909

CLIENT PROJECT: 789 Post Road, Aldrich, 34957
CEI LAB CODE: A225262

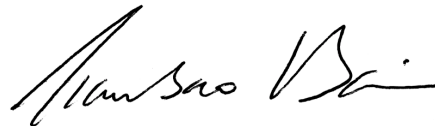
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 31, 2022. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: 789 Post Road, Aldrich, 34957

LAB CODE: A225262

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/07/22

TOTAL SAMPLES ANALYZED: 105

SAMPLES >1% ASBESTOS:



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 789 Post Road, Aldrich, 34957

LAB CODE: A225262

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001A		A225262.001	Black	Epdm	None Detected
001B		A225262.002	Black	Epdm	None Detected
001C		A225262.003	Black	Epdm	None Detected
001D		A225262.004	Black	Epdm	None Detected
001E		A225262.005	Black	Epdm	None Detected
001F		A225262.006	Black	Epdm	None Detected
001G		A225262.007	Black	Epdm	None Detected
001H		A225262.008	Black	Epdm	None Detected
001I		A225262.009	Black	Epdm	None Detected
002A		A225262.010	Black, Yellow	Poly Iso	None Detected
002B		A225262.011	Black, Yellow	Poly Iso	None Detected
002C		A225262.012	Black, Yellow	Poly Iso	None Detected
002D		A225262.013	Black, Yellow	Poly Iso	None Detected
002E		A225262.014	Black, Yellow	Poly Iso	None Detected
002F		A225262.015	Black, Yellow	Poly Iso	None Detected
002G		A225262.016	Black, Yellow	Poly Iso	None Detected
002H		A225262.017	Black, Yellow	Poly Iso	None Detected
002I		A225262.018	Black, Yellow	Poly Iso	None Detected
003A		A225262.019	Black	Tar And Gravel Roof	None Detected
003B		A225262.020	Black	Tar And Gravel Roof	None Detected
003C		A225262.021	Black	Tar And Gravel Roof	None Detected
003D		A225262.022	Black	Tar And Gravel Roof	None Detected
003E		A225262.023	Black	Tar And Gravel Roof	None Detected
003F		A225262.024	Black	Tar And Gravel Roof	None Detected
003G		A225262.025	Black	Tar And Gravel Roof	None Detected
003H		A225262.026	Black	Tar And Gravel Roof	None Detected
003I		A225262.027	Black	Tar And Gravel Roof	None Detected
004A		A225262.028	Brown	Fiberboard	None Detected
004B		A225262.029	Brown	Fiberboard	None Detected
004C		A225262.030	Brown	Fiberboard	None Detected
004D		A225262.031	Brown	Fiberboard	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 789 Post Road, Aldrich, 34957

LAB CODE: A225262

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
004E		A225262.032	Brown	Fiberboard	None Detected
004F		A225262.033	Brown	Fiberboard	None Detected
004G		A225262.034	Brown	Fiberboard	None Detected
004H		A225262.035	Brown	Fiberboard	None Detected
004I		A225262.036	Brown	Fiberboard	None Detected
005A		A225262.037	Black	Seam Sealant	None Detected
005B		A225262.038	Black	Seam Sealant	None Detected
005C		A225262.039	Black	Seam Sealant	None Detected
005D		A225262.040	Black	Seam Sealant	None Detected
005E		A225262.041	Black	Seam Sealant	None Detected
005F		A225262.042	Black	Seam Sealant	None Detected
005G		A225262.043	Black	Seam Sealant	None Detected
005H		A225262.044	Black	Seam Sealant	None Detected
005I		A225262.045	Black	Seam Sealant	None Detected
006A		A225262.046	Black	Tar	None Detected
006B		A225262.047	Black	Tar	None Detected
006C		A225262.048	Black	Tar	None Detected
007A		A225262.049	Black	Tar	None Detected
007B		A225262.050	Black	Tar	None Detected
007C		A225262.051	Black	Tar	None Detected
008A		A225262.052	Black	Flashing	None Detected
008B		A225262.053	Black	Flashing	None Detected
008C		A225262.054	Black	Flashing	None Detected
009A		A225262.055	Black	Epdm	None Detected
009B		A225262.056	Black	Epdm	None Detected
009C		A225262.057	Black	Epdm	None Detected
010A		A225262.058	Black, Yellow	Poly Iso	None Detected
010B		A225262.059	Black, Yellow	Poly Iso	None Detected
010C		A225262.060	Black, Yellow	Poly Iso	None Detected
011A		A225262.061	Black	Tar And Gravel Roof	None Detected
011B		A225262.062	Black	Tar And Gravel Roof	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 789 Post Road, Aldrich, 34957

LAB CODE: A225262

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
011C		A225262.063	Black	Tar And Gravel Roof	None Detected
012A		A225262.064	Brown	Fiberboard	None Detected
012B		A225262.065	Brown	Fiberboard	None Detected
012C		A225262.066	Brown	Fiberboard	None Detected
013A		A225262.067	Black	Seam Sealant	None Detected
013B		A225262.068	Black	Seam Sealant	None Detected
013C		A225262.069	Black	Seam Sealant	None Detected
014A		A225262.070	Black	Epdm	None Detected
014B		A225262.071	Black	Epdm	None Detected
014C		A225262.072	Black	Epdm	None Detected
015A		A225262.073	Black, Yellow	Poly Iso	None Detected
015B		A225262.074	Black, Yellow	Poly Iso	None Detected
015C		A225262.075	Black	Tar And Gravel Roof	None Detected
016A		A225262.076	Black	Tar And Gravel Roof	None Detected
016B		A225262.077	Black	Tar And Gravel Roof	None Detected
016C		A225262.078	Black, Yellow	Poly Iso	None Detected
017A		A225262.079	Brown	Fiberboard	None Detected
017B		A225262.080	Brown	Fiberboard	None Detected
017C		A225262.081	Brown	Fiberboard	None Detected
018A		A225262.082	Black	Epdm	None Detected
018B		A225262.083	Black	Epdm	None Detected
018C		A225262.084	Black	Epdm	None Detected
019A		A225262.085	Black, Yellow	Poly Iso	None Detected
019B		A225262.086	Black, Yellow	Poly Iso	None Detected
019C		A225262.087	Black, Yellow	Poly Iso	None Detected
020A		A225262.088	Brown	Fiberboard	None Detected
020B		A225262.089	Brown	Fiberboard	None Detected
020C		A225262.090	Brown	Fiberboard	None Detected
021A		A225262.091	Black, Yellow	Poly Iso	None Detected
021B		A225262.092	Black, Yellow	Poly Iso	None Detected
021C		A225262.093	Black, Yellow	Poly Iso	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 789 Post Road, Aldrich, 34957

LAB CODE: A225262

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
022A		A225262.094	Black	Epdm	None Detected
022B		A225262.095	Black	Epdm	None Detected
022C		A225262.096	Black	Epdm	None Detected
023A		A225262.097	Black, Yellow	Poly Iso	None Detected
023B		A225262.098	Black, Yellow	Poly Iso	None Detected
023C		A225262.099	Black, Yellow	Poly Iso	None Detected
024A		A225262.100	Black	Tar And Gravel Roof	None Detected
024B		A225262.101	Black	Tar And Gravel Roof	None Detected
024C		A225262.102	Black	Tar And Gravel Roof	None Detected
025A		A225262.103	Gray	Insulation	None Detected
025B		A225262.104	Gray	Insulation	None Detected
025C		A225262.105	Gray	Insulation	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
001A A225262.001	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
001B A225262.002	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
001C A225262.003	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
001D A225262.004	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
001E A225262.005	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
001F A225262.006	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
001G A225262.007	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
530 Broadway
Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
001H A225262.008	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber			None Detected
001I A225262.009	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber			None Detected
002A A225262.010	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
002B A225262.011	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
002C A225262.012	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
002D A225262.013	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
002E A225262.014	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
002F A225262.015	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
002G A225262.016	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
002H A225262.017	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
002I A225262.018	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
003A A225262.019	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar 10% Gravel	None Detected
003B A225262.020	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar 10% Gravel	None Detected
003C A225262.021	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar 10% Gravel	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
003D A225262.022	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
003E A225262.023	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
003F A225262.024	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
003G A225262.025	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
003H A225262.026	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
003I A225262.027	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
004A A225262.028	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
004B A225262.029	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
004C A225262.030	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
004D A225262.031	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
004E A225262.032	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
004F A225262.033	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
004G A225262.034	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
004H A225262.035	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
004I A225262.036	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100% Cellulose		None Detected
005A A225262.037	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005B A225262.038	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005C A225262.039	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005D A225262.040	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005E A225262.041	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005F A225262.042	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
005G A225262.043	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005H A225262.044	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
005I A225262.045	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
006A A225262.046	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
006B A225262.047	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
006C A225262.048	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
007A A225262.049	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
007B A225262.050	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
007C A225262.051	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
008A A225262.052	Flashing	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
008B A225262.053	Flashing	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
008C A225262.054	Flashing	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
009A A225262.055	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected
009B A225262.056	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
530 Broadway
Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
009C A225262.057	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber			None Detected
010A A225262.058	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
010B A225262.059	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
010C A225262.060	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
011A A225262.061	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
011B A225262.062	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
011C A225262.063	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
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Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
012A A225262.064	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
012B A225262.065	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
012C A225262.066	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
013A A225262.067	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
013B A225262.068	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
013C A225262.069	Seam Sealant	Homogeneous Black Non-fibrous Bound	100%	Caulk	None Detected
014A A225262.070	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
530 Broadway
Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
014B A225262.071	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber			None Detected
014C A225262.072	Epdm	Homogeneous Black Non-fibrous Bound	100%	Rubber			None Detected
015A A225262.073	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
015B A225262.074	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam Tar	None Detected
015C A225262.075	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
No Poly iso present. Sample appears to be Tar and Gravel Roof.							
016A A225262.076	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
016B A225262.077	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
016C A225262.078	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam	None Detected
No Tar and Gravel Roof present. Sample appears to be poly iso.							
017A A225262.079	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
017B A225262.080	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
017C A225262.081	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
018A A225262.082	Epdm	Homogeneous Black Non-fibrous Bound			100%	Rubber	None Detected
018B A225262.083	Epdm	Homogeneous Black Non-fibrous Bound			100%	Rubber	None Detected
018C A225262.084	Epdm	Homogeneous Black Non-fibrous Bound			100%	Rubber	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
019A A225262.085	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
019B A225262.086	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
019C A225262.087	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
020A A225262.088	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
020B A225262.089	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
020C A225262.090	Fiberboard	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
021A A225262.091	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
021B A225262.092	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
021C A225262.093	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
022A A225262.094	Epdm	Homogeneous Black Non-fibrous Bound			100%	Rubber	None Detected
022B A225262.095	Epdm	Homogeneous Black Non-fibrous Bound			100%	Rubber	None Detected
022C A225262.096	Epdm	Homogeneous Black Non-fibrous Bound			100%	Rubber	None Detected
023A A225262.097	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected
023B A225262.098	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam 10% Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
 530 Broadway
 Providence , RI 02909

Lab Code: A225262
Date Received: 05-31-22
Date Analyzed: 06-07-22
Date Reported: 06-07-22

Project: 789 Post Road, Aldrich, 34957

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
023C A225262.099	Poly Iso	Heterogeneous Black, Yellow Fibrous Bound	5%	Fiberglass	85%	Foam	None Detected
					10%	Tar	
024A A225262.100	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar	None Detected
					10%	Gravel	
024B A225262.101	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar	None Detected
					10%	Gravel	
024C A225262.102	Tar And Gravel Roof	Heterogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar	None Detected
					10%	Gravel	
025A A225262.103	Insulation	Homogeneous Gray Non-fibrous Bound			100%	Foam	None Detected
025B A225262.104	Insulation	Homogeneous Gray Non-fibrous Bound			100%	Foam	None Detected
025C A225262.105	Insulation	Homogeneous Gray Non-fibrous Bound			100%	Foam	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

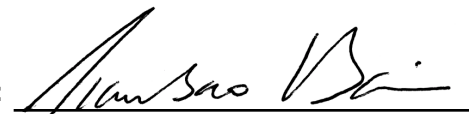
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST:


Zane Heinz

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director

Aerobiology Laboratory Associates, Inc.
22 Cummings Park, Woburn, MA 01801

Telephone: 781-935-3212
Facsimile: 781-932-4857
Email: boston@aerobiology.net

October 27, 2021

Attention: Erik Beloff
GZA GeoEnvironmental, Inc., RI
188 Valley St., Suite 300
Providence, RI 02909

RE: Project site Warwick Schools - Aldrich Bldg.

Dear Erik Beloff,

Enclosed please find results for the sample(s) submitted to Aerobiology Laboratory Associates, Inc. on
October 20, 2021 for PLM Bulk.

The analysis was subcontracted to Optimum Analytical, 85 Stiles Road, Suite 201, Salem, NH 03079.

If you have any questions please do not hesitate to call me.

Sincerely,
Aerobiology Laboratory Associates, Inc.



Aimee Cormier
Laboratory Manager



ProScience
ProScience
22 Cummings Park
Woburn MA 01801

Project Reference: SB01615
Laboratory Batch #: 2140471
Date Samples Received: 10/26/2021
Date Samples Analyzed: 10/27/2021
Date of Final Report: 10/27/2021

SAMPLE IDENTIFICATION:

Ninety Seven (97) samples from SB01615 project were submitted by Client on 10/26/2021

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinous bound materials may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additionally, there is currently no approved EPA analytical method to reliably confirm vermiculite as non-asbestos containing. Additional analytical methods may be required. Optimum Analytical recommends using Transmission Electron Microscopy (TEM) or other approved methods for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

Use of the NVLAP and AIHA Logo in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Point Count = .25%, 1000 Point Count = 0.1%; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-001 001A	2nd Floor, Wall 3" Cove Base, Blue	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-002 001B	2nd Floor, Wall 3" Cove Base, Blue	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-003 002A	2nd Floor, Wall Mastic Assoc 1/ 001, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-004 002B	2nd Floor, Wall Mastic Assoc 1/ 001, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-005 003A	2nd Floor 12"x12" Floor Tile, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-006 003B	2nd Floor 12"x12" Floor Tile, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-007 004A	2nd Floor Mastic Assoc. w/003, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-008 004B	2nd Floor Mastic Assoc. w/003, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-009 005A	2nd Floor 2'x4' Ceiling Tile, Medium Indent, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 35% Mineral Wool 35% Fibrous Glass 15% Non-Fibrous Material 15%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-010 005B	2nd Floor 2'x4' Ceiling Tile, Medium Indent, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 35% Mineral Wool 35% Fibrous Glass 15% Non-Fibrous Material 15%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-011 006A	2nd Floor Wallboard, Gray Note: Appears to be Base Coat Plaster	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-012 006B	2nd Floor Wallboard, Gray Note: Appears to be Base Coat Plaster	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-013 007A	2nd Floor Wall Plaster, White Note: Appears to be Skim Coat Plaster	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-014 007B	2nd Floor Wall Plaster, White Note: Appears to be Skim Coat Plaster	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-015 008A	2nd Floor Window Caulk, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



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CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-016 008B	2nd Floor			
	Window Caulk, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-017 009A	2nd Floor, Sink			
	Sink Anti-Condensate, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 12% Non-Fibrous Material 88%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-018 009B	2nd Floor, Sink			
	Sink Anti-Condensate, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 12% Non-Fibrous Material 88%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-019 010A	2nd Floor, Wall			
	LAYER 1	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
	3" Cove Base, Red			
	LAYER 2	LAYER 2 100%	None Detected	Cellulose Fiber 2% Non-Fibrous Material 98%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-020 010B	2nd Floor, Wall			
	LAYER 1	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
	3" Cove Base, Red			
	LAYER 2	LAYER 2 100%	None Detected	Cellulose Fiber 2% Non-Fibrous Material 98%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-021 011A	2nd Floor, Exterior			
	Brick Waterproofing, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-022 011B	2nd Floor, Exterior			
	Brick Waterproofing, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-023 012A	2nd Floor Cork Board, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 90% Non-Fibrous Material 10%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-024 012B	2nd Floor Cork Board, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 90% Non-Fibrous Material 10%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-025 013A	2nd Floor Adhesive, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-026 013B	2nd Floor Adhesive, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-027 014A	2nd Floor 2'x2' Ceiling Tile, Large Indent, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 65% Fibrous Glass 15% Non-Fibrous Material 20%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-028 014B	2nd Floor 2'x2' Ceiling Tile, Large Indent, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 65% Fibrous Glass 15% Non-Fibrous Material 20%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-029 015A	2nd Floor 12"x12" Ceiling Tile Above Drop Ceiling, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 95% Non-Fibrous Material 5%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-030 015B	2nd Floor 12"x12" Ceiling Tile Above Drop Ceiling, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 95% Non-Fibrous Material 5%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-031 016A	2nd Floor Assoc. 15 Glue Daub, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 3% Non-Fibrous Material 97%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-032 016B	2nd Floor Assoc. 15 Glue Daub, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 3% Non-Fibrous Material 97%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-033 017A	2nd Floor 2'x2' Floor Tile, Diamond Pattern, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-034 017B	2nd Floor 2'x2' Floor Tile, Diamond Pattern, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-035 018A	2nd Floor Science Lab Table Top, Black	LAYER 1 100%	None Detected	Cellulose Fiber 90% Non-Fibrous Material 10%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-036 018B	2nd Floor Science Lab Table Top, Black	LAYER 1 100%	None Detected	Cellulose Fiber 90% Non-Fibrous Material 10%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-037 019A	2nd Floor 12"x12" Floor Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-038 019B	2nd Floor 12"x12" Floor Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-039 020A	2nd Floor			
	Assoc. 019 Mastic, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-040 020B	2nd Floor			
	Assoc. 019 Mastic, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-041 021A	2nd Floor			
	LAYER 1 12"x12" Floor Tile, Red	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
	LAYER 2 Mastic, Black	LAYER 2 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
	LAYER 3 Mastic, 2nd Side, Black	LAYER 3 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-042 021B	2nd Floor			
	LAYER 1 12"x12" Floor Tile, Red	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
	LAYER 2 Mastic, Black	LAYER 2 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
	LAYER 3 Mastic, 2nd Side, Black	LAYER 3 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-043 022A	2nd Floor			
	12"x12" Floor Tile, Brown	LAYER 1 100%	Chrysotile 2%	Cellulose Fiber 1% Non-Fibrous Material 97%
Total % Asbestos:			2.0%	Total % Non-Asbestos: 98.0%
2140471-044 022B	2nd Floor 12"x12" Floor Tile, Brown Note: Positive Stop	LAYER 1 100%		



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-045 023A	2nd Floor Assoc 022 Mastic, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-046 023B	2nd Floor Assoc 022 Mastic, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-047 024A	2nd Floor, Science Room 3" Lab Table Cove Base, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-048 024B	2nd Floor, Science Room 3" Lab Table Cove Base, Black	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-049 025A	2nd Floor, Science Room Assoc. 024 Mastic, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-050 025B	2nd Floor, Science Room Assoc. 024 Mastic, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-051 026A	2nd Floor Flooring Beneath Lockers, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 45% Non-Fibrous Material 55%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-052 026B	2nd Floor Flooring Beneath Lockers, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 45% Non-Fibrous Material 55%
		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos: 100.0%



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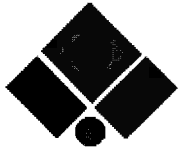
BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-053 027A	2nd Floor Assoc 026 Mastic, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Non-Fibrous Material 98%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-054 027B	2nd Floor Assoc 026 Mastic, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 2% Non-Fibrous Material 98%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-055 028A	2nd Floor, Elevator Doorway Surfacing Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-056 028B	2nd Floor, Elevator Doorway Surfacing Material, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-057 028C	2nd Floor, Elevator Doorway Surfacing Material, Gray/White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-058 029A	2nd Floor, Hallway Brick Mortar, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-059 029B	2nd Floor, Hallway Brick Mortar, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-060 030A	Exterior, Rear, Addition Joint Caulk Around Windows, Cream	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-061 030B	Exterior, Rear, Addition Joint Caulk Around Windows, Cream	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-062 031A	Exterior, Main Building Joint Caulk Between Brick & Wood Frame, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-063 031B	Exterior, Main Building Joint Caulk Between Brick & Wood Frame, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-064 032A	Exterior, Main Building Joint Caulk Between Concrete Window Sill, Beige	LAYER 1 100%	Chrysotile 2%	Cellulose Fiber 1% Non-Fibrous Material 97%
Total % Asbestos:			2.0%	Total % Non-Asbestos: 98.0%
2140471-065 032B	Exterior, Main Building Joint Caulk Between Concrete Window Sill, Beige Note: Positive Stop	LAYER 1 100%		
2140471-066 033A	Exterior, Main Building, Single Story Bump Out Window Caulk, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-067 033B	Exterior, Main Building, Single Story Bump Out Window Caulk, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



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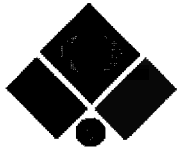
BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2140471-068 034A	N.E. Exterior, Main Building Window Glazing on Wood Frame Above Ext. Door, Beige	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Non-Fibrous Material	1% 97%
Total % Asbestos:				2.0%	Total % Non-Asbestos: 98.0%	
2140471-069 034B	N.E. Exterior, Main Building Window Glazing on Wood Frame Above Ext. Door, Beige Note: Positive Stop	LAYER 1 100%				
2140471-070 035A	Exterior, Main Building, N.E. Side Joint Caulk Between Brick & AL Frame Window, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
Total % Asbestos:				No Asbestos Detected	Total % Non-Asbestos: 100.0%	
2140471-071 035B	Exterior, Main Building, N.E. Side Joint Caulk Between Brick & AL Frame Window, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
Total % Asbestos:				No Asbestos Detected	Total % Non-Asbestos: 100.0%	
2140471-072 036A	Exterior, Main Building, Entrance Glazing on Wood/ Glass, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
Total % Asbestos:				No Asbestos Detected	Total % Non-Asbestos: 100.0%	
2140471-073 036B	Exterior, Main Building, Entrance Glazing on Wood/ Glass, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
Total % Asbestos:				No Asbestos Detected	Total % Non-Asbestos: 100.0%	
2140471-074 037A	1st Floor Wallboard, Gray Note: Appears to be Plaster Base Coat	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
Total % Asbestos:				No Asbestos Detected	Total % Non-Asbestos: 100.0%	
2140471-075 037B	1st Floor Wallboard, Layer Not Present	LAYER 1 100%				



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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-076 038A	1st Floor Associated 037 White Plaster, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-077 038B	1st Floor Associated 037 White Plaster, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-078 039A	1st Floor 1'x1' Ceiling Tile Above Drop Ceiling, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 90% Non-Fibrous Material 10%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-079 039B	1st Floor 1'x1' Ceiling Tile Above Drop Ceiling, Beige	LAYER 1 100%	None Detected	Cellulose Fiber 90% Non-Fibrous Material 10%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-080 040A	1st Floor, Main Office Fiberboard on Wall, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 95% Non-Fibrous Material 5%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-081 040B	1st Floor, Main Office Fiberboard on Wall, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 95% Non-Fibrous Material 5%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-082 041A	1st Floor LAYER 1 1'x1' Floor Tile, Gray LAYER 2 Mastic, Black	LAYER 1 100% LAYER 2 100%	None Detected None Detected	Cellulose Fiber 1% Non-Fibrous Material 99% Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

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2140471-083 041B	1st Floor 1'x1' Floor Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-084 042A	1st Floor, Addition Glue Daubs, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-085 042B	1st Floor, Addition Glue Daubs, Yellow	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-086 043A	Gym Wall 3" Cove Base, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-087 043B	Gym Wall 3" Cove Base, Brown	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-088 044A	Gym Wall Assoc 043 Mastic, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-089 044B	Gym Wall Assoc 043 Mastic, White	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%
2140471-090 045A	Auditorium 1'x1' Floor Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1% Non-Fibrous Material 99%
Total % Asbestos:			No Asbestos Detected	Total % Non-Asbestos: 100.0%



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2140471-091 045B	Auditorium 1'x1' Floor Tile, Gray	LAYER 1 100%	None Detected	Cellulose Fiber 1%
				Non-Fibrous Material 99%
				Total % Asbestos: No Asbestos Detected Total % Non-Asbestos: 100.0%
2140471-092 046A	Auditorium Assoc 045 Mastic, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 1%
				Non-Fibrous Material 99%
				Total % Asbestos: No Asbestos Detected Total % Non-Asbestos: 100.0%
2140471-093 046B	Auditorium Assoc 045 Mastic, Tan	LAYER 1 100%	None Detected	Cellulose Fiber 1%
				Non-Fibrous Material 99%
				Total % Asbestos: No Asbestos Detected Total % Non-Asbestos: 100.0%
2140471-094 047A	Ground Floor 12"x12" Floor Tile, Gray	LAYER 1 100%	Chrysotile 2%	Cellulose Fiber 2%
				Non-Fibrous Material 96%
		LAYER 2 100%	None Detected	Cellulose Fiber 1%
				Non-Fibrous Material 99%
		Total % Asbestos: 2.0% Total % Non-Asbestos: 98.0%		
2140471-095 047B	Ground Floor 12"x12" Floor Tile, Gray Note: Positive Stop	LAYER 1 100%		
		LAYER 2 100%	None Detected	Cellulose Fiber 1%
				Non-Fibrous Material 99%
Total % Asbestos: No Asbestos Detected Total % Non-Asbestos: 100.0%				
2140471-096 048A	Ground Floor, Kitchen Walk-In Refrigerator Insulation, Brown/Gray Note: Plaster Material On Insulation/ Crumbled Throughout Sample Bag Contains Chrysotile	LAYER 1 100%	Chrysotile 3%	Cellulose Fiber 35%
				Fibrous Glass 45%
				Non-Fibrous Material 17%
				Total % Asbestos: 3.0% Total % Non-Asbestos: 97.0%



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
2140471-097 048B	Ground Floor, Kitchen Walk-In Refrigerator Insulation, Note: Positive Stop	LAYER 1 100%		

**Analyst
Signatory:** 
 Kristina Scaviola



TAT
(circle one)

3 Hours 6 Hours Same Day Next Day
2 Days 3 Days **5 Days** Other

PASI Batch #
81281688

Stop on first positive: **Yes**

~~No~~

If no selection is made the lab will analyze all samples

718

PLM

Chain of Custody

Special Instructions:

Relinquished By:

Date/Time:

Client: 62A Geoenvironmental

Address: 168 Valley Street, Suite 300

Providence RI, 02909

Project #: 34957.00

PO: -

Received By Lab:

Stephanie Briccetti

Date/Time: 10/20/21 2:05

Project Site: Wawmunk Schuels: Alford Rdg.

Shaded area for lab use only.

Due Date:

Contact: Erk Belstf

of Samples Received:

97

Analyzed:

Tel / Fax #: 401-230-8747

Results: email fax verbal

By:

Date:

Email: erk.belstf@gsa.com

Analyst / Date:

QC by / Date:

Sample ID	Date Sampled	Description / Location	SSAPE				Optical Properties				RI		Asbestos Percentage (%)						Non Asbestos Percentage (%)						
			Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	I	II	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other
001A	10/14/21	Second floor, wall, 3" core base, blue																							
001B																									
002A		Associated: 001, Mustic, yellow																							
002B																									
003A		Second floor, 12" x 12" floor tile, yellow, speckled																							
003B																									

Comments: Birefringence L= less than .010, M= .01-.050, H= greater than .05; Microscope circle 1: BH-2 - 229027, 235000, 231956, Zeiss - 3352010013

Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ass. % Est.

PASI Batch #

501615

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: _____

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Circle Type					Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
																Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite							
004A	10/14/21	Associated 003: Mastic, Black																									
004B																											
005A		Second floor ceiling tile, 2'x4', Medium Insulant, white																									
005B																											
006A		Second floor, wallboard, white																									
006B																											
007A		Second floor, wall Plaster, white																									
007B																											
008A		Second floor, window Calk, Gray																									
008B																											

Comments: Birefringence L= less than .010, M= .01-.050, H= greater than .05; Microscope circle 1; BH-2 - 229027, 235000, 231856, Zeiss - 3352010013
 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Asp. % Est.
 Ver 4.7 Updated 05/06/19 Each layer of multilayered materials are analyzed and charged individually (per NESHA/EPA). Page 2 Of 11

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: _____

DT

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Circle Type					Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
																Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite							
009A	10/14/21	Second Floor, Sink Anti-Condensate, white																									
009B																											
010A		Second Floor, Wall, 3" core base, Red																									
010B																											
011A		Second Floor, Exterior Brick under protrusion, Black																									
011B																											
012A		Second Floor, East Board, White / Brown																									
012B																											
013A		Ass. 012 Mustkr, Black																									
013B																											

Comments: Birefringence L= less than .010, M=.01-.050, H= greater than .05; Microscope circle 1: BH-2 - 229027, 235000, 231856, Zeiss - 3352010013

Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ass. % Est.

Customer Name:

624

PAS1 Batch #

Project Name/#:

34957-02

B1281080 478

QC by:

Date QC:

Analyzed by:

Date Analyzed:

JT

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Circle Type					Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
																Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite								
0144	10/14/21	Second floor, 21x21' ceiling tile, large indent, white ↓																										
0143																												
0154		Second floor, 12x12 11' ceiling tile, Above Drop ceiling, urethane Doff, white ↓																										
0153																												
0164		Assc. 015, Blue Dab, Black ↓																										
0163																												
0174		Second floor, 21x21' floor tile, Diamond Pattern, Gray ↓																										
0173																												
0184		Second floor, Scram Lab Table top, Black ↓																										
0183																												

S²01615

Customer Name: G-24
 Project Name/#: 34957-020

\$01615
PAS1 Batch #
B128680

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: 7/8

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Circle Type					Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
																Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite							
019A	10/14/21	Second Floor, 12" x 12" Floor tile, Curran, Speckled																									
019B																											
020A		Assc 019, Master, Black																									
020B																											
021A		Second Floor, 12" x 12" Glass tile, Red																									
021B																											
022A		Second Floor, 12" x 12" Glass tile, Dark Brown																									
022B																											
023A		Assc. 022, Master, Black																									
023B																											

PAS Batch #

54801615

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: _____

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Circle Type					Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous			
															Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite								Actinolite		
0244	10/14/21	Second floor, Screen Room, 3" Lab table Leg Base, Black																											
024B																													
025A		Assoc. 025, Mixture, Black																											
025B																													
026A		Second floor, Flooring Beneath lockers, Dark Brown																											
026B																													
027A		Assoc. 026: Mixture, Green X																											
027B																													
028A		Second floor, Elevator doorway Surfacing Material, white																											
028B																													

Comments: Birefringence L= less than .010, M= .01-.050, H= greater than .05; Microscope circle 1: BH-2 - 228027, 235000, 231856, Zeiss - 3552010013
 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ass. % Est.
 Ver 4.7 Updated 05/06/19
 Each layer of multilayered materials are analyzed and charged individually (per NESHA/EPA).
 Page 6 Of 11

5th 01615

PASI Batch #

Proscience Analytical Services, Inc. www.proscience.net
22 Cummings Park, Woburn, MA 01801 T: 781-935-3212 F: 781-932-4857 general@proscience.net

Customer Name: **62A**
Project Name/ #: **34957-02**

~~Dr 28680718~~
GT

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: _____

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Circle Type						Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous												
															Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite																			
028C	10/14/21	↓ Second floor, Hallway Brick																																					
029A		↓ Mortar, white																																					
029B		↓ Exterior 1 st Floor, Addition, Junk Caulk, around windows between Brick																																					
030A		↓ Exterior, Main Building, Junk Caulk b/w. Brick and wood window frame, Gray																																					
031A 030A		↓ Exterior, Main Building, Junk Caulk, b/w concrete window sill, white																																					
031B		↓ Exterior, Main Building, Junk Caulk, b/w concrete window sill, white																																					
032A		↓ Exterior, Main Building, Junk Caulk, b/w concrete window sill, white																																					
032B		↓ Exterior, Main Building, Junk Caulk, b/w concrete window sill, white																																					
033A		↓ Exterior, Main Building, Single Story Bump out, window caulk, white																																					

Comments: Birefringence L= less than .010, M= .01-.050, H= greater than .05. Microscope circle 1, BH-2 - 229027, 235000, 231856, Zeiss - 3352010013
Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Asp. % Est.
ver 4.7 Updated 05/06/19
Each layer of multilayered materials are analyzed and charged individually (per NESHAPE/EPA).
Page 2 Of 11

Customer Name: **6-24**

Project Name/ #: **34957-02**

PASI Batch # **0128650 918**

501615

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: **01**

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
033B	10/24/21	↓																									
034A		N.E. Exterior, Main Building. Window Glazing, on wood frame above Red exterior Door																									
034B		↓																									
035A		Exterior, Main Building. NE Side (Point Caselle Bldg. brick and Al Frame window																									
035B		↓																									
036A		Exterior Main Building Entrance, Glazing on wood/Glass																									
036B		↓																									
037A		First floor, wallboard, white																									
037B		↓																									
038A		Assc 037, Plaster, white																									

Comments: Birefringence L= less than .010, M=.01-.050, H= greater than .05. Microscope circle 1: BH-2-229027, 235000, 231856, Zeiss - 3352010013
 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ass. % Est.
 Ver 4.7 Updated 05/06/19 Each layer of multilayered materials are analyzed and charged individually (per NESHAPEPA). Page 8 Of 11

QC by:

Date QC:

Analyzed by:

Date Analyzed:

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous		
																												Circle Type	
038B	10/14/21	↓																											
039A		First floor, 1'x1' ceiling tile above Drop Ceiling, unharded, white ↓																											
039B																													
040A		First floor, Main office, Fiber Board on wall, unharded, Painted white ↓																											
040B																													
041A		First floor, 1'x1' floor tile, white, Gray Speckle ↓																											
041B																													
042A		First floor Addition, Dry erase Board glue Dabs, TAN ↓																											
042B																													
043A		6pm, 3" wall base Dark Brown ↓																											

Comments: Birefringence L = less than .010, M = .01-.050, H = greater than .05; Microscope circle 1: BH-2 - 229027, 235000, 231856, Zeiss - 3352010013
 Ver 4.7 Updated 05/06/19

Each layer of multilayered materials are analyzed and charged individually (per NESHA/EPA).

Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ash % Est.

Customer Name: 62A
 Project Name/#: 34957-00

PASI Batch # 82810807

PO1615

QC by: _____ Date QC: _____ Analyzed by: _____ Date Analyzed: _____

Sample ID	Date Sampled	Description / Location	SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Circle Type					Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous	
																Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite								
648B	10/14/21	↙													■													

Comments: Birefringence L= less than .010, M= .01-.050, H= greater than .05; Microscope circle 1: BH-2 - 229027, 235000, 231856, Zais - 3352010013
 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ass. % Est.
 Ver 4.7 Updated 05/06/19 Page 11 Of 11



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
ADDRESS: 22 Cummings Park
CITY / STATE / ZIP: Woburn MA 01801
CONTACT: ProScience
DESCRIPTION: PLM Analysis
LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
PROJECT #: SB01615
DATE COLLECTED: 10/14/2021
COLLECTED BY: Client
DATE RECEIVED: 10/26/2021
ANALYSIS DATE: 10/27/2021
REPORT DATE: 10/27/2021
ANALYST: Kristina Scaviola

Aerobiology 22 Cummings Park, Woburn, MA 01801 T: 781-455-3212 F: 781-452-4487 general@proscience.net

Proj. # SB01615
 Lab # SB01615
 Client # PLM COC-1

Client: Aerobiology Laboratory Associates, Inc.
 Address: 22 Cummings Park, Woburn, MA 01801

Contact: Doreen Townsend
 Phone: 781-935-3212
 Fax:
 Email:
 Ref:
 Date / Time: 10-25-21 2:35
 Received By:
 Date / Time: 10/26/21 8:1

On-site work is available but subject to PMP approval. All requests for expedited TAT are business days.

TAT 90
 0-30 Days
 31-60 Days
 61-90 Days
 91-120 Days
 121-150 Days
 151-180 Days
 181-210 Days
 211-240 Days
 241-300 Days
 301-360 Days
 361-420 Days
 421-480 Days
 481-540 Days
 541-600 Days

Results: Tel:
 Fax:
 Email:
 Final Report:
 Email:
 Test Copy:
 Final Copy:
 X

Analysis: PLM Bulk
 Bulk (600 / R-60 / 115)
 X
 Types (EPA 600)
 Point Count (EPA 600)
 Sed (EPA)
 NIOS (NI-ELAP)
 Special Instructions:
 Stop on Final Positive: X
 TEM MDS Negative Suite:
 Point Count: 10% Ab.

2140471 PASI Batch # SB01615

Line #	Sample ID	Date Collected	Description	Location
1	001A ✓	10/14/2021	3" Cove Base, Blue	2nd Floor, Wall
2	001B ✓	10/14/2021	3" Cove Base, Blue	2nd Floor, Wall
3	002A ✓	10/14/2021	Associated 001 Mastic, Yellow	2nd Floor, Wall
4	002B ✓	10/14/2021	Associated 001 Mastic, Yellow	2nd Floor, Wall
5	003A ✓	10/14/2021	1F x 12" Floor Tile, Yellow Speckled	2nd Floor
6	003B ✓	10/14/2021	1F x 12" Floor Tile, Yellow Speckled	2nd Floor
7	004A ✓	10/14/2021	Associated 003 Mastic, Black	2nd Floor
8	004B ✓	10/14/2021	Associated 003 Mastic, Black	2nd Floor
9	005A ✓	10/14/2021	Zur Ceiling Tile, Medium Modern, White	2nd Floor
10	005B ✓	10/14/2021	Zur Ceiling Tile, Medium Modern, White	2nd Floor
11	006A ✓	10/14/2021	Wallboard, White	2nd Floor
12	006B ✓	10/14/2021	Wallboard, White	2nd Floor
13	007A ✓	10/14/2021	Wall Paper, White	2nd Floor
14	007B ✓	10/14/2021	Wall Paper, White	2nd Floor
15	008A ✓	10/14/2021	Window Sill, Gray	2nd Floor

PLM is conducted by Aerobiology Associates, Inc. on 10/27/2021. Results are available on 10/27/2021. All requests for expedited TAT are business days.



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
 ADDRESS: 22 Cummings Park
 CITY / STATE / ZIP: Woburn MA 01801
 CONTACT: ProScience
 DESCRIPTION: PLM Analysis
 LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
 PROJECT #: SB01615
 DATE COLLECTED: 10/14/2021
 COLLECTED BY: Client
 DATE RECEIVED: 10/26/2021
 ANALYSIS DATE: 10/27/2021
 REPORT DATE: 10/27/2021
 ANALYST: Kristina Scaviola

Proj. Name	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021													
16 00A0 ✓	Window Cloth, Gray		2nd Floor																																																		
17 00A1 ✓	Sink And-Condensate, White		2nd Floor, Sink																																																		
18 00B5 ✓	Sink And-Condensate, White		2nd Floor, Sink																																																		
19 01A1 ✓	3" Core Board, Red		2nd Floor, Wall																																																		
20 01A9 ✓	3" Core Board, Red		2nd Floor, Wall																																																		
21 01A1 ✓	Black Waterproofing, Black		2nd Floor, Exterior																																																		
22 01B1 ✓	Black Waterproofing, Black		2nd Floor, Exterior																																																		
23 01A1 ✓	Cork Board, White/Brown		2nd Floor																																																		
24 01B5 ✓	Cork Board, White/Brown		2nd Floor																																																		
25 01A3 ✓	Associated 012 Mosaic, Black		2nd Floor																																																		
26 01A9 ✓	Associated 012 Mosaic, Black		2nd Floor																																																		
27 01A4 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
28 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
29 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
30 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
31 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
32 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
33 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
34 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
35 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
36 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
37 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		
38 01A5 ✓	2x6 Ceiling Tile, Large Indent, White		2nd Floor																																																		

PLM COC 10/27/2021

Acrobiology 22 Cummings Park, Woburn, MA 01801 T: 781-455-5212 F: 781-452-4857 general@proscience.net



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
 ADDRESS: 22 Cummings Park
 CITY / STATE / ZIP: Woburn MA 01801
 CONTACT: ProScience
 DESCRIPTION: PLM Analysis
 LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
 PROJECT #: SB01615
 DATE COLLECTED: 10/14/2021
 COLLECTED BY: Client
 DATE RECEIVED: 10/26/2021
 ANALYSIS DATE: 10/27/2021
 REPORT DATE: 10/27/2021
 ANALYST: Kristina Scaviola

Aerobiology		PLM COC v.4.3		SB01615	
Proj. Name	Proj. #	Proj. #	SB01615	Proj. #	SB01615
39	0208A ✓	10/14/2021	Associated 028 Mastic, Black		2nd Floor
40	0208B ✓	10/14/2021	Associated 028 Mastic, Black		2nd Floor
41	0212A ✓	10/14/2021	12"x12" Floor Tile, Red		2nd Floor
42	0212B ✓	10/14/2021	12"x12" Floor Tile, Red		2nd Floor
43	0222A ✓	10/14/2021	12"x12" Floor Tile, Dark Brown		2nd Floor
44	0222B ✓	10/14/2021	12"x12" Floor Tile, Dark Brown		2nd Floor
45	0232A ✓	10/14/2021	Associated 022 Mastic, Black		2nd Floor
46	0232B ✓	10/14/2021	Associated 022 Mastic, Black		2nd Floor
47	0242A ✓	10/14/2021	3" Lab Table Core Base, Black		2nd Floor, Science Room
48	0242B ✓	10/14/2021	3" Lab Table Core Base, Black		2nd Floor, Science Room
49	0252A ✓	10/14/2021	Associated 025 Mastic, Black		2nd Floor, Science Room
50	0252B ✓	10/14/2021	Associated 025 Mastic, Black		2nd Floor, Science Room
51	0262A ✓	10/14/2021	Flooring beneath Lockers, Dark Brown		2nd Floor, Science Room
52	0262B ✓	10/14/2021	Flooring beneath Lockers, Dark Brown		2nd Floor
53	0272A ✓	10/14/2021	Associated 026 Mastic, Gray		2nd Floor
54	0272B ✓	10/14/2021	Associated 026 Mastic, Gray		2nd Floor
55	0282A ✓	10/14/2021	Surfacing Material, White		2nd Floor
56	0282B ✓	10/14/2021	Surfacing Material, White		2nd Floor, Elevator Downway
57	0282C ✓	10/14/2021	Surfacing Material, White		2nd Floor, Elevator Downway
58	0292A ✓	10/14/2021	Block Mason, White		2nd Floor, Elevator Downway
59	0292B ✓	10/14/2021	Block Mason, White		2nd Floor, Hallway
60	0292C ✓	10/14/2021	Joint Caulk around Windows between Brick		2nd Floor, Hallway
61	0292D ✓	10/14/2021	Joint Caulk around Windows between Brick		Elevator, Rear Addition
					Elevator, Rear Addition

PLM s-coc v4.3 Updated 2/01/14 Each row of multifiltered samples will be analyzed and returned individually from aerobiology.net



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
 ADDRESS: 22 Cummings Park
 CITY / STATE / ZIP: Woburn MA 01801
 CONTACT: ProScience
 DESCRIPTION: PLM Analysis
 LOCATION: SB01615

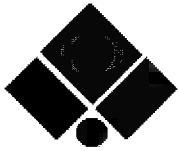
BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
 PROJECT #: SB01615
 DATE COLLECTED: 10/14/2021
 COLLECTED BY: Client
 DATE RECEIVED: 10/26/2021
 ANALYSIS DATE: 10/27/2021
 REPORT DATE: 10/27/2021
 ANALYST: Kristina Scaviola

Proj. Name	Proj. #	PLM COC #	PLM Batch #
Aerobiology	22 Cummings Park, Woburn, MA 01801 T: 781-935-3212 F: 781-935-4857 general@proscience.net	SB01615	2140471
			PLM Batch #
			SB01615
68	10/14/2021	Joint Caulk, Gray, between Brick & Wood Window Frame	Exterior, Main Building
69	10/14/2021	Joint Caulk, Gray, between Brick & Wood Window Frame	Exterior, Main Building
69	10/14/2021	Joint Caulk, White, between Concrete Window Sill	Exterior, Main Building
70	10/14/2021	Joint Caulk, White, between Concrete Window Sill	Exterior, Main Building
71	10/14/2021	Window Caulk, White	Exterior, Main Building, Single Story Bump Out
72	10/14/2021	Window Caulk, White	Exterior, Main Building, Single Story Bump Out
73	10/14/2021	Window Caulk, White	Exterior, Main Building, Single Story Bump Out
74	10/14/2021	Window Caulk, White, between Brick & Wood Window Frame	J.M.E. Entrance, Main Building
75	10/14/2021	Window Caulk, White, between Brick & Wood Window Frame	N.E. Entrance, Main Building
76	10/14/2021	Window Caulk, White, between Brick & Wood Window Frame	Exterior, Main Building, N.E. Side
77	10/14/2021	Joint Caulk between Brick and N Frame Window	Exterior, Main Building, N.E. Side
78	10/14/2021	Glazing on Wood/Glass	Exterior, Main Building, Entrance
79	10/14/2021	Glazing on Wood/Glass	Exterior, Main Building, Entrance
80	10/14/2021	Wallboard, White	1st Floor
81	10/14/2021	Wallboard, White	1st Floor
82	10/14/2021	Wallboard, White	1st Floor
83	10/14/2021	Associated OSB Plywood, White	1st Floor
84	10/14/2021	Associated OSB Plywood, White	1st Floor
85	10/14/2021	1x1" Ceiling The above Drop Ceiling, Uniform Col. White	1st Floor
86	10/14/2021	1x1" Ceiling The above Drop Ceiling, Uniform Col. White	2nd Floor
87	10/14/2021	Recessed on Wall, Uniform Col., Painted White	1st Floor, Main Office
88	10/14/2021	Recessed on Wall, Uniform Col., Painted White	1st Floor, Main Office
89	10/14/2021	1x1" Floor Tile, White, Gray Spockle	1st Floor
90	10/14/2021	1x1" Floor Tile, White, Gray Spockle	1st Floor
91	10/14/2021	Dry Ease Board Gypsum, Tan	1st Floor, Addition

PLM e-coc ver 4.2 Updated 2/1/14 Each layer of multi-layered samples will be analyzed and chemical methods will be performed on each sample.



OPTIMUM

Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

CLIENT: ProScience
 ADDRESS: 22 Cummings Park
 CITY / STATE / ZIP: Woburn MA 01801
 CONTACT: ProScience
 DESCRIPTION: PLM Analysis
 LOCATION: SB01615

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

ORDER #: 2140471
 PROJECT #: SB01615
 DATE COLLECTED: 10/14/2021
 COLLECTED BY: Client
 DATE RECEIVED: 10/26/2021
 ANALYSIS DATE: 10/27/2021
 REPORT DATE: 10/27/2021
 ANALYST: Kristina Scaviola

2140471
PASI Batch #
SB01615

PLM COC v4.3

Proj. Name	Proj. #	SB01615				
85	042B ✓	10/14/2021	Dry Erasa Board Glue Daubs, Tan	1st Floor, Addition		
86	043A ✓	10/14/2021	3" Cove Base, Dark Brown	Gym Wall		
87	043B ✓	10/14/2021	3" Cove Base, Dark Brown	Gym Wall		
88	044A ✓	10/14/2021	Associated 043 Mastic, Gray	Gym Wall		
89	044B ✓	10/14/2021	Associated 043 Mastic, Gray	Gym Wall		
90	045A ✓	10/14/2021	1'x1' Floor Tile, Gray, White/Blue Speckled	Auditorium		
91	045B ✓	10/14/2021	1'x1' Floor Tile, Gray, White/Blue Speckled	Auditorium		
92	046A ✓	10/14/2021	Associated 045 Mastic, Yellow	Auditorium		
93	046B ✓	10/14/2021	Associated 045 Mastic, Yellow	Auditorium		
94	047A ✓	10/14/2021	12"x12" Floor Tile, Gray	Ground Floor		
95	047B ✓	10/14/2021	12"x12" Floor Tile, Gray	Ground Floor		
96	048A ✓	10/14/2021	Walk-In Refrigerator Insulation, Dark Brown	Ground Floor, Kitchen		
97	048B ✓	10/14/2021	Walk-In Refrigerator Insulation, Dark Brown	Ground Floor, Kitchen		

PLM 6-coc ver 4.2 Updated 2/1/14 Each lower of muffled sample will be returned and labeled Individually. From: STERILIZATION



APPENDIX D

XRF LEAD-BASED PAINT REPORT

ENVIRONMENTAL LEAD DETECTION, INC.

LEAD-BASED PAINT TESTING



PERFORMED AT:

789 Post Rd.
Warwick, RI 02889

PREPARED BY:

Brenda Eastman
Rhode Island Lead Inspector #00044
Environmental Lead Detection, Inc.
436 Gardners Neck Rd.
Swansea, MA 02777
TEL. (774) 526-8223
ELD1988@comcast.net

EXECUTIVE SUMMARY

Enclosed is the final report for the Lead-Based Paint (LBP) testing conducted at 789 Post Rd., Warwick, Rhode Island.

The subject property is a junior high school building. The main building consists of a basement, 1st and 2nd floor and was built circa 1930. There is an addition to the original structure however the tax assessor has no information on the year the addition was built.

Positive XRF readings for lead-based paint were identified on interior concrete walls, metal cabinet, metal doors, metal door frames, metal door lintels, metal door thresholds, metal drain pipes, metal handrails, metal stair balusters, metal stair newel post, metal stair pan, metal stair rail cap, metal stair risers, metal stair stringer, metal stair treads, metal vent, wood cabinet, wood door casings, wood door jambs, wood stair rail cap, wood stair risers, wood stair stringer, wood wall chair rail, and wood wall corner trim,

Positive XRF readings for lead-based paint were identified on exterior brick walls, metal doors, metal door frames, metal door lintels, wood door casings, wood door jambs, wood overhang, and wood window frames.

Positive XRF readings for lead containing materials were identified on an interior porcelain sink, slate chalkboards, and floor tiles. These components are not coated with lead-based paint. They are tested for disposal purposes.

1.0 PLANNING AND DESIGN

1.1 Project Background

Environmental Lead Detection, Inc., was contracted to conduct Lead-Based Paint XRF testing at 789 Post Road., Warwick, Rhode Island. The inspection took place on October 14, 2021.

1.2 Organization and Management

Brenda Eastman, LI-00044, a Rhode Island Environmental Lead Inspector, conducted the field data collection portion of this project, the data analysis and report preparation.

1.3 Testing Objectives

The main objective of this LBP inspection was to test enough surfaces in a properly controlled manner to obtain a 95% confidence level with the results and to determine at what locations and in what concentrations LBP exists. A-wall pertains to the wall that is facing the front entry of the building and BCD sides continue clockwise.

1.4 Sampling Design

Representative painted surfaces and lead-containing materials were tested in accessible areas. Surfaces tested by XRF included:

Interior:

- Brick Wall
- Ceramic Tile Wall
- CMU Wall
- Concrete Baseboard
- Concrete Ceiling
- Concrete Column
- Concrete Floor
- Concrete Steps
- Concrete Wall
- Concrete Window Sill
- Corkboard
- Gypsum Wall
- Metal Cabinet
- Metal Door/Door Frame
- Metal Door Lintel
- Metal Door Threshold
- Metal Drain Pipe
- Metal Elevator Door/Frame
- Metal Floor Access
- Metal Fuse Box
- Metal Handrail
- Metal Lockers
- Metal Lintel
- Metal Pipe/Pipe Chase
- Metal Radiator
- Metal Sink
- Metal Sprinkler Pipe
- Metal Stair Balusters
- Metal Stair Newel Post
- Metal Stair Rail Cap
- Metal Stair Riser
- Metal Stair Stringer
- Metal Stair Pan
- Metal Stair Tread/Tread Guard
- Metal Vent
- Metal Wall Casing
- Metal Wall Plate
- Metal Window Frame
- Metal Window Int. Sash
- Particle Board Wall
- Plaster Wall
- Porcelain Sink
- Slate Chalkboard
- Tile Floor
- Vinyl Baseboard
- Vinyl Chalkboard
- Vinyl Floor
- Vinyl Ramp
- Wood Baseboard
- Wood Cabinet
- Wood Door
- Wood Door Casing/Jamb
- Wood Floor
- Wood Handrail
- Wood Rail Cap
- Wood Service board
- Wood Stair Riser
- Wood Stair Stringer
- Wood Stair Tread
- Wood Stall
- Wood Wall Chair rail
- Wood Wall Corner Trim
- Wood Window Casing/Sill
- Wood Window Int. Sash

Exterior:

- Brick Wall
- Concrete Steps
- Metal Door/Door Frame
- Metal Door Lintel
- Metal Handrail
- Metal Wall Plate
- Metal Fence
- Metal Pipe
- Metal Telephone Box
- Metal Vent/Frame
- Wood Door Casing
- Wood Door Jamb
- Wood Overhang
- Wood Window Frame

2.0 Field Sampling Equipment

2.1 Testing Methods

Under current Federal HUD guidelines, the XRF analyzer is a recognized method of in-situ lead paint testing. Initial in-situ lead paint testing was conducted using a Viken Lead in Paint Spectrum Analyzer.

The instrument employed was:

<u>Model:</u>	<u>Serial #:</u>	<u>Source date:</u>
<i>Pb200i</i>	<i>2556</i>	<i>06/21</i>

3.0 Data Processing and Management

Over 620 readings were taken and recorded during this project. All readings were entered onto report forms in the field. Office personnel entered the day's readings into our computerized data base management program. The following information was keyed in:

Floor	Room	Component	Side	Substrate	Color	XRF	Results
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Conclusion

Positive XRF readings for lead-based paint were identified on both interior and exterior components.

Unless this facility will be a nursery school, preschool, kindergarten, or elementary school used to educate children under the age of six, it would not be considered a regulated facility and the Rhode Island Department of Health Regulations and the EPA RRP (Repair, Renovation and Painting) Rule would not apply.

The primary concern with lead-based paint and construction activities is related to the release of lead particles which can be toxic to workers and the general public. The only acceptable method to measure any release of toxic levels of lead into the environment is by means of on-site ambient air sampling. Neither XRF nor AAS sampling methods can determine if lead particle levels are within acceptable levels.

Lead-based paint activities performed should be in accordance with applicable Federal, State, or local laws, ordinances, codes or regulations governing evaluation and hazard reduction.

The following regulations apply to this project:

- DEM Air Pollution Control No. 5: Fugitive Dust Regulations
- OSHA 29 CFR 1926-Construction Industry Standards, 29 CFR 1926.62-Construction Industry Lead Standards, 29 CFR 1910.1200-Hazard Communication. 40 CFR 261-EPA Regulations.
- EPA Resource Conservation and Recovery Act (RCRA)

Submitted by:



Brenda Eastman
Rhode Island Lead Inspector LI-00044
Expires on 10/31/22

XRF Readings

Lead-Based Paint Testing
789 Post Rd., Warwick, RI
November 16, 2021

4.0 FINDINGS

789 Post Rd., Warwick

XRF Data – Interior

Floor	Room	Component	Side	Substrate	Color	XRF	Results
		Calibration				0.9	
		Calibration				0.9	
		Calibration				0.8	
Basement	Classroom 1	Wall	C	Concrete	White	0.1	Neg
Basement	Classroom 1	Wall	D	Concrete	Green	0.2	Neg
Basement	Classroom 1	Wall	A	Concrete	Brown	0.0	Neg
Basement	Classroom 1	Baseboard	A	Concrete	Black	0.6	Neg
Basement	Classroom 1	Floor		Concrete	Gray	0.2	Neg
Basement	Classroom 1	Radiator	C	Metal	Silver	0.3	Neg
Basement	Classroom 1	Door	A	Wood	Varnish	-0.1	Neg
Basement	Classroom 1	Door Casing	A	Wood	Varnish	0.0	Neg
Basement	Classroom 1	Door Jamb	A	Wood	Varnish	0.1	Neg
Basement	Classroom 1	Door	C	Metal	Gray	0.0	Neg
Basement	Classroom 1	Door Frame	C	Metal	Gray	0.1	Neg
Basement	Classroom 1	Window Casing	C	Wood	Gray	0.0	Neg
Basement	Classroom 1	Corkboard	B	Cork	Black	0.7	Neg
Basement	Classroom 1	Sink	A	Porcelain	White	21.5	Pos
Basement	Classroom 1	Drain Pipe	A	Metal	White	0.6	Neg
Basement	Classroom 1	Fuse Box	A	Metal	White	0.0	Neg
Basement	Classroom 1	Sprinkler Pipe	A	Metal	Yellow	0.1	Neg
Basement	Classroom 1	Pipe	A	Metal	White	0.0	Neg
Basement	Classroom 1	Chalkboard	B	Slate	Brown	2.2	Pos
Basement	Classroom 1	Chalkboard Frame	B	Wood	Gray	0.2	Neg
Basement	Classroom 2	Wall	A	Concrete	White	0.6	Neg
Basement	Classroom 2	Wall	C	Concrete	White	0.1	Neg
Basement	Classroom 2	Floor		Tile	Brown	1.8	Pos
Basement	Classroom 2	Floor		Concrete	Beige	0.0	Neg
Basement	Classroom 2	Radiator	A	Metal	Silver	0.1	Neg
Basement	Classroom 2	Door	B	Wood	Brown	0.1	Neg
Basement	Classroom 2	Door Casing	B	Wood	Varnish	0.0	Neg
Basement	Classroom 2	Door Jamb	B	Wood	Brown	0.0	Neg
Basement	Classroom 2	Window Casing	A	Wood	Varnish	0.0	Neg
Basement	Classroom 2	Cabinet Frame	C	Wood	Green	0.0	Neg
Basement	Classroom 2	Cabinet Shelf	C	Metal	Green	1.5	Pos
Basement	Classroom 2	Cabinet Shelf	C	Wood	Green	0.0	Neg
Basement	Classroom 2	Cabinet	A	Wood	White	1.3	Pos
Basement	Classroom 2	Cabinet	C	Wood	Green	0.1	Neg
Basement	Classroom 2	Sprinkler Pipe	A	Metal	Black	0.0	Neg

Lead-Based Paint Testing
789 Post Rd., Warwick, RI
November 16, 2021

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Electrical Room	Wall	C	Concrete	White	0.0	Neg
Basement	Electrical Room	Wall	D	Concrete	Brown	2.0	Pos
Basement	Electrical Room	Wall	C	Concrete	Beige	2.1	Pos
Basement	Electrical Room	Wall	D	Concrete	White	0.1	Neg
Basement	Electrical Room	Floor Access		Metal	Brown	0.1	Neg
Basement	Electrical Room	Floor		Concrete	Yellow	0.1	Neg
Basement	Electrical Room	Door	A	Metal	Brown	9.1	Pos
Basement	Electrical Room	Door	C	Metal	Brown	0.5	Neg
Basement	Electrical Room	Door Casing	C	Wood	Varnish	0.0	Neg
Basement	Electrical Room	Door Jamb	C	Metal	Brown	0.6	Neg
Basement	Electrical Room	Fuse Box	D	Metal	Black	0.0	Neg
Basement	Electrical Room	Pipe Chase	B	Metal	Black	0.1	Neg
Basement	Electrical Room	Service Board	B	Wood	Black	0.2	Neg
Basement	Cafeteria	Upper Wall	A	Concrete	White	0.1	Neg
Basement	Cafeteria	Wall	A	Tile	White	0.1	Neg
Basement	Cafeteria	Upper Wall	B	Concrete	Blue	0.4	Neg
Basement	Cafeteria	Upper Wall	D	Concrete	Blue	0.6	Neg
Basement	Cafeteria	Baseboard	A	Vinyl	Black	0.2	Neg
Basement	Cafeteria	Radiator	A	Metal	Silver	-0.1	Neg
Basement	Cafeteria	Fire Door	B	Metal	Brown	0.0	Neg
Basement	Cafeteria	Fire Door Frame	B	Metal	Brown	0.0	Neg
Basement	Cafeteria	Door	C	Metal	White	0.1	Neg
Basement	Cafeteria	Door Frame	C	Metal	White	0.0	Neg
Basement	Cafeteria	Door	D	Wood	Varnish	-0.1	Neg
Basement	Cafeteria	Door Casing	D	Wood	Varnish	0.0	Neg
Basement	Cafeteria	Door Jamb	D	Wood	Varnish	0.1	Neg
Basement	Cafeteria	Window Casing	A	Wood	Varnish	0.0	Neg
Basement	Cafeteria	Fuse Box	C	Metal	White	0.1	Neg
Basement	Cafeteria	Column		Concrete	Blue	0.7	Neg
Basement	Cafeteria	Pipe	A	Metal	White	-0.1	Neg
Basement	Kitchen	Ceiling		Concrete	White	0.1	Neg
Basement	Kitchen	Wall	A	Concrete	White	0.2	Neg
Basement	Kitchen	Wall	B	Plaster	White	0.1	Neg
Basement	Kitchen	Floor		Tile	Green	0.1	Neg
Basement	Kitchen	Radiator	C	Metal	Silver	0.1	Neg
Basement	Kitchen	Door	C	Wood	Varnish	-0.1	Neg
Basement	Kitchen	Door Casing	C	Wood	Varnish	0.0	Neg
Basement	Kitchen	Door	C	Metal	White	0.1	Neg
Basement	Kitchen	Door Frame	C	Metal	White	0.0	Neg
Basement	Kitchen	Door Casing	C	Wood	Varnish	-0.1	Neg
Basement	Kitchen	Drain Pipe	A	Metal	White	0.6	Neg
Basement	Kitchen	Wall Casing	C	Metal	White	0.1	Neg
Basement	Kitchen	Floor	C	Concrete	Gray	0.1	Neg
Basement	Staircase 1	Wall	A	Brick	Beige	0.1	Neg

Lead-Based Paint Testing
789 Post Rd., Warwick, RI
November 16, 2021

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Staircase 1	Wall	D	CMU	White	0.0	Neg
Basement	Staircase 1	Floor		Vinyl	Gray	0.0	Neg
Basement	Staircase 1	Radiator	A	Metal	Silver	-0.2	Neg
Basement	Staircase 1	Door	B	Metal	Red	0.3	Neg
Basement	Staircase 1	Door Casing	B	Wood	Varnish	0.0	Neg
Basement	Staircase 1	Door Jamb	B	Wood	Brown	0.1	Neg
Basement	Staircase 1	Fire Door	D	Metal	Brown	0.0	Neg
Basement	Staircase 1	Fire Door Frame	D	Metal	Brown	-0.1	Neg
Basement	Staircase 1	Newel Post		Metal	Black	3.9	Pos
Basement	Staircase 1	Stair Tread		Vinyl	Beige	0.1	Neg
Basement	Staircase 1	Stair Riser		Metal	Black	1.5	Pos
Basement	Staircase 1	Stair Stringer		Metal	Black	3.5	Pos
Basement	Staircase 1	Rail Cap		Metal	Black	1.8	Pos
Basement	Staircase 1	Baluster		Metal	Black	2.1	Pos
Basement	Staircase 1	Handrail		Metal	Black	2.1	Pos
Basement	Food Service	Wall	B	Concrete	White	0.1	Neg
Basement	Food Service	Baseboard	B	Vinyl	Black	0.0	Neg
Basement	Food Service	Floor		Vinyl	Yellow	0.1	Neg
Basement	Food Service	Radiator	B	Metal	Silver	0.1	Neg
Basement	Food Service	Door	D	Wood	Varnish	0.0	Neg
Basement	Food Service	Door Casing	D	Wood	Varnish	0.1	Neg
Basement	Food Service	Window Casing	B	Wood	Varnish	0.0	Neg
Basement	Food Service	Cabinet	B	Metal	Green	-0.1	Neg
Basement	Food Service	Pipe	D	Metal	Gray	0.1	Neg
Basement	Food Service	Chalkboard	C	Slate	Black	0.3	Neg
Basement	Staircase 2	Wall	A	Brick	Beige	0.1	Neg
Basement	Staircase 2	Wall	D	CMU	White	0.0	Neg
Basement	Staircase 2	Fire Door	D	Metal	Brown	0.1	Neg
Basement	Staircase 2	Fire Door Frame	D	Metal	Brown	-0.1	Neg
Basement	Staircase 2	Door	B	Metal	Red	0.2	Neg
Basement	Staircase 2	Door Casing	B	Wood	Varnish	0.0	Neg
Basement	Staircase 2	Door Jamb	B	Wood	Varnish	-0.1	Neg
Basement	Staircase 2	Newel Post		Metal	Black	3.4	Pos
Basement	Staircase 2	Stair Tread		Vinyl	Beige	0.1	Neg
Basement	Staircase 2	Stair Riser		Metal	Black	2.0	Pos
Basement	Staircase 2	Stair Stringer		Metal	Black	3.7	Pos
Basement	Staircase 2	Rail Cap		Metal	Black	5.1	Pos
Basement	Staircase 2	Baluster		Metal	Black	5.0	Pos
Basement	Staircase 2	Handrail		Metal	Black	2.1	Pos
Basement	Staircase 2	Stair Pan		Metal	Black	3.6	Pos
Basement	Boiler Room	Wall	A	Concrete	White	0.1	Neg
Basement	Boiler Room	Wall	B	Concrete	Gray	0.2	Neg
Basement	Boiler Room	Wall	D	CMU	Blue	0.1	Neg
Basement	Boiler Room	Floor Grate		Metal	Gray	0.0	Neg

Lead-Based Paint Testing
789 Post Rd., Warwick, RI
November 16, 2021

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Boiler Room	Floor		Concrete	Gray	0.2	Neg
Basement	Boiler Room	Door	C	Metal	Red	-0.1	Neg
Basement	Boiler Room	Door Frame	C	Metal	Gray	0.1	Neg
Basement	Boiler Room	Door	A	Metal	Red	0.8	Neg
Basement	Boiler Room	Door Frame	A	Metal	Red	1.3	Pos
Basement	Boiler Room	Column		Concrete	White	0.6	Neg
Basement	Boiler Room	Railing	C	Metal	Yellow	1.7	Pos
Basement	Boiler Room	Handrail		Metal	Yellow	1.5	Pos
Basement	Boiler Room	Steps		Concrete	Gray	0.1	Neg
Basement	Boiler Room	Stair Tread Guard	A	Metal	Yellow	0.1	Neg
Basement	Locker Room 1	Wall	C	Concrete	Blue	0.4	Neg
Basement	Locker Room 1	Wall	D	Concrete	Gray	0.3	Neg
Basement	Locker Room 1	Wall	B	Tile	Beige	0.2	Neg
Basement	Locker Room 1	Floor		Concrete	Gray	0.1	Neg
Basement	Locker Room 1	Door	C	Metal	Gray	0.3	Neg
Basement	Locker Room 1	Door Frame	C	Metal	Gray	0.1	Neg
Basement	Locker Room 1	Window Casing	C	Wood	Varnish	0.0	Neg
Basement	Locker Room 1	Window Casing	A	Wood	White	-0.2	Neg
Basement	Locker Room 1	Window Int. Sash	A	Wood	White	0.0	Neg
Basement	Locker Room 1	Pipe	C	Metal	Gray	0.0	Neg
Basement	Locker Room 1	Floor		Tile	Beige	0.0	Neg
Basement	Locker Room 1	Lockers		Metal	Red	-0.1	Neg
Basement	Locker Room 1	Steps	C	Concrete	Yellow	0.2	Neg
Basement	Staircase 3	Ceiling		Concrete	White	0.2	Neg
Basement	Staircase 3	Wall	B	Concrete	White	0.1	Neg
Basement	Staircase 3	Wall	A	Brick	White	0.4	Neg
Basement	Staircase 3	Door	D	Metal	Red	-0.1	Neg
Basement	Staircase 3	Door Frame	D	Metal	Red	0.0	Neg
Basement	Staircase 3	Door Lintel	D	Metal	White	1.7	Pos
Basement	Staircase 3	Window Casing	C	Wood	Varnish	0.0	Neg
Basement	Staircase 3	Stair Tread		Vinyl	Beige	0.1	Neg
Basement	Staircase 3	Stair Riser		Metal	Black	3.3	Pos
Basement	Staircase 3	Stair Stringer		Metal	Black	2.0	Pos
Basement	Staircase 3	Handrail	B	Metal	Black	5.3	Pos
Basement	Storage	Wall	B	Concrete	White	0.0	Neg
Basement	Storage	Radiator	B	Metal	Silver	0.2	Neg
Basement	Storage	Door	A	Metal	Gray	0.1	Neg
Basement	Storage	Door Frame	A	Metal	Gray	-0.1	Neg
Basement	Storage	Window Casing	B	Wood	White	0.1	Neg
Basement	Staircase 4	Wall	A	Brick	Brown	0.1	Neg
Basement	Staircase 4	Wall	B	CMU	White	0.0	Neg
Basement	Staircase 4	Floor		Vinyl	Gray	0.1	Neg
Basement	Staircase 4	Radiator	C	Metal	Silver	0.2	Neg
Basement	Staircase 4	Fire Door	B	Metal	Brown	-0.1	Neg

Lead-Based Paint Testing
789 Post Rd., Warwick, RI
November 16, 2021

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Staircase 4	Fire Door Frame	B	Metal	Brown	0.0	Neg
Basement	Staircase 4	Door	D	Metal	Red	-0.1	Neg
Basement	Staircase 4	Door Casing	D	Wood	Varnish	0.0	Neg
Basement	Staircase 4	Door Jamb	D	Wood	Varnish	0.1	Neg
Basement	Staircase 4	Newel Post		Metal	Black	6.2	Pos
Basement	Staircase 4	Stair Tread		Vinyl	Beige	-0.1	Neg
Basement	Staircase 4	Stair Riser		Wood	Black	2.2	Pos
Basement	Staircase 4	Stair Stringer		Metal	Black	3.2	Pos
Basement	Staircase 4	Rail Cap		Metal	Black	2.5	Pos
Basement	Staircase 4	Baluster		Metal	Black	3.3	Pos
Basement	Staircase 4	Handrail		Metal	Black	1.8	Pos
Basement	Classroom 3	Wall	D	Concrete	White	0.6	Neg
Basement	Classroom 3	Baseboard	A	Vinyl	Black	0.6	Neg
Basement	Classroom 3	Floor		Tile	Green	0.1	Neg
Basement	Classroom 3	Radiator	D	Metal	Silver	0.1	Neg
Basement	Classroom 3	Door	B	Wood	Varnish	-0.1	Neg
Basement	Classroom 3	Door Casing	B	Wood	Varnish	0.1	Neg
Basement	Classroom 3	Door Jamb	B	Wood	Varnish	0.0	Neg
Basement	Classroom 3	Door	C	Metal	Gray	0.2	Neg
Basement	Classroom 3	Window Casing	D	Wood	Varnish	0.0	Neg
Basement	Classroom 3	Closet Door	C	Wood	Gray	0.1	Neg
Basement	Classroom 3	Closet Wall	C	Concrete	Blue	0.1	Neg
Basement	Classroom 3	Cabinet	B	Wood	Varnish	0.1	Neg
Basement	Classroom 3	Chalkboard	A	Slate	Black	0.0	Neg
Basement	Classroom 3	Corkboard	C	Cork	White	0.8	Neg
Basement	Staircase 5	Wall	A	Brick	Brown	0.0	Neg
Basement	Staircase 5	Wall	B	CMU	White	0.1	Neg
Basement	Staircase 5	Fire Door	B	Metal	Brown	0.1	Neg
Basement	Staircase 5	Fire Door Frame	B	Metal	Brown	-0.1	Neg
Basement	Staircase 5	Door	D	Metal	Red	0.1	Neg
Basement	Staircase 5	Door Casing	D	Wood	Varnish	0.0	Neg
Basement	Staircase 5	Door Jamb	D	Wood	Varnish	0.0	Neg
Basement	Staircase 5	Newel Post		Metal	Black	6.9	Pos
Basement	Staircase 5	Stair Tread		Vinyl	Beige	0.0	Neg
Basement	Staircase 5	Stair Riser		Metal	Black	4.0	Pos
Basement	Staircase 5	Stair Stringer		Metal	Black	3.5	Pos
Basement	Staircase 5	Rail Cap		Metal	Black	5.2	Pos
Basement	Staircase 5	Baluster		Metal	Black	2.2	Pos
Basement	Staircase 5	Handrail	A	Wood	Varnish	-0.1	Neg
Basement	Staircase 5	Handrail	C	Metal	Black	1.8	Pos
Basement	Corridor	Wall	C	Concrete	White	0.2	Neg
Basement	Corridor	Wall	D	CMU	White	0.1	Neg
Basement	Corridor	Wall	B	Concrete	White	0.6	Neg
Basement	Corridor	Baseboard	C	Vinyl	Black	0.2	Neg

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Corridor	Floor		Tile	Gray	0.0	Neg
Basement	Corridor	Radiator	B	Metal	Silver	0.1	Neg
Basement	Corridor	Door	A	Wood	Varnish	-0.2	Neg
Basement	Corridor	Door Casing	A	Wood	Varnish	0.1	Neg
Basement	Corridor	Door Jamb	A	Wood	Varnish	-0.1	Neg
Basement	Corridor	Fire Door	D	Metal	Brown	-0.1	Neg
Basement	Corridor	Fire Door Frame	D	Metal	Brown	0.0	Neg
Basement	Corridor	Door	A	Metal	Brown	0.5	Neg
Basement	Corridor	Door Frame	A	Metal	Brown	0.1	Neg
Basement	Corridor	Window Casing	B	Wood	Varnish	0.0	Neg
Basement	Corridor	Pipe	B	Metal	Blue	0.0	Neg
Basement	Corridor	Door	B	Metal	Brown	0.2	Neg
Basement	Corridor	Door Frame	B	Metal	Brown	0.1	Neg
Basement	Corridor	Elevator Door	B	Metal	Beige	0.1	Neg
Basement	Corridor	Elevator Door Frame	B	Metal	Beige	0.4	Neg
Basement	Corridor	Closet Wall	A	Concrete	Brown	0.0	Neg
Basement	Corridor	Ramp	C	Vinyl	Gray	0.0	Neg
Basement	Corridor	Door	C	Metal	Red	0.0	Neg
Basement	Corridor	Door Frame	C	Metal	Red	-0.1	Neg
Basement	Corridor	Door Frame	C	Metal	Red	1.2	Pos
Basement	Corridor	Stair Tread Guard	C	Metal	Yellow	0.2	Neg
Basement	Corridor	Floor		Concrete	Gray	0.1	Neg
Basement	Corridor	Railing	C	Metal	Black	-0.2	Neg
Basement	Corridor	Handrail	D	Metal	Black	0.5	Neg
Basement	Corridor	Fuse Box	C	Metal	White	0.3	Neg
Basement	Staircase 6	Ceiling		Concrete	White	0.3	Neg
Basement	Staircase 6	Wall	B	Concrete	White	0.2	Neg
Basement	Staircase 6	Door	B	Metal	Brown	0.1	Neg
Basement	Staircase 6	Door Frame	B	Metal	Brown	0.0	Neg
Basement	Staircase 6	Stair Tread		Vinyl	Beige	-0.3	Neg
Basement	Staircase 6	Stair Riser		Metal	Black	3.1	Pos
Basement	Staircase 6	Stair Stringer		Metal	Black	2.5	Pos
Basement	Staircase 6	Handrail		Metal	Black	3.5	Pos
Basement	Stair B Level	Ceiling		Concrete	White	0.2	Neg
Basement	Stair B Level	Wall	A	CMU	White	0.1	Neg
Basement	Stair B Level	Wall	D	Brick	White	0.0	Neg
Basement	Stair B Level	Floor		Concrete	Gray	0.2	Neg
Basement	Stair B Level	Radiator	C	Metal	White	0.1	Neg
Basement	Stair B Level	Door Frame	C	Metal	Blue	2.5	Pos
Basement	Stair B Level	Door Lintel	A	Metal	White	0.4	Neg
Basement	Stair B Level	Door	A	Metal	Blue	0.3	Neg
Basement	Stair B Level	Door Frame	A	Metal	Blue	5.0	Pos
Basement	Stair B Level	Window Frame	B	Metal	Blue	0.1	Neg
Basement	Stair B Level	Door	D	Metal	Blue	4.5	Pos

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Basement	Stair B Level	Door Frame	D	Metal	Blue	0.4	Neg
Basement	Stair B Level	Door Lintel	D	Metal	Blue	0.6	Neg
Basement	Stair B Level	Lintel	C	Metal	White	0.1	Neg
Basement	Stair B Level	Drain Pipe	A	Metal	Brown	1.0	Pos
Basement	Stair B Level	Stair Pan		Metal	White	0.4	Neg
Basement	Stair B Level	Newel Post		Metal	Blue	0.3	Neg
Basement	Stair B Level	Stair Tread		Concrete	Beige	-0.1	Neg
Basement	Stair B Level	Stair Riser		Metal	Beige	0.2	Neg
Basement	Stair B Level	Stair Stringer		Metal	Blue	0.5	Neg
Basement	Stair B Level	Rail Cap		Metal	Blue	0.5	Neg
Basement	Stair B Level	Baluster		Metal	Blue	0.6	Neg
Basement	Stair B Level	Handrail		Metal	Blue	-0.1	Neg
Basement	Stair B Level	Wall Plate		Metal	White	0.8	Neg
Basement	Bath SB	Ceiling		Concrete	White	0.3	Neg
Basement	Bath SB	Wall	B	Tile	Beige	5.4	Pos
Basement	Bath SB	Floor		Tile	Beige	0.1	Neg
Basement	Bath SB	Radiator	A	Metal	Beige	0.1	Neg
Basement	Bath SB	Door	A	Metal	White	0.2	Neg
Basement	Bath SB	Door Frame	A	Metal	White	6.4	Pos
Basement	Bath SB	Window Int. Sash	B	Metal	Beige	0.1	Neg
Basement	Bath SB	Drain Pipe	A	Metal	White	0.5	Neg
Basement	Bath SB	Lintel	A	Metal	White	1.8	Pos
Basement	Room 20	Wall	A	CMU	White	0.0	Neg
Basement	Room 20	Baseboard	A	Vinyl	Red	0.4	Neg
Basement	Room 20	Floor		Tile	Beige	0.1	Neg
Basement	Room 20	Door	D	Metal	Blue	0.0	Neg
Basement	Room 20	Door Frame	D	Metal	Blue	-0.1	Neg
Basement	Room 20	Cabinet	B	Wood	Red	0.0	Neg
Basement	Room 20	Chalkboard	A	Vinyl	White	3.1	Pos
Basement	Room 22	Wall	B	CMU	White	0.0	Neg
Basement	Room 22	Baseboard	C	Vinyl	Blue	0.2	Neg
Basement	Room 22	Floor		Wood	Beige	0.1	Neg
Basement	Room 22	Door	C	Metal	Blue	-0.1	Neg
Basement	Room 22	Door Frame	C	Metal	Blue	0.0	Neg
Basement	Room 22	Chalkboard	C	Vinyl	White	3.0	Pos
Basement	Corridor	Wall	B	CMU	White	0.1	Neg
Basement	Corridor	Baseboard	D	Vinyl	Blue	-0.1	Neg
Basement	Corridor	Floor		Vinyl	Beige	0.0	Neg
Basement	Corridor	Fire Door	D	Metal	Blue	0.0	Neg
Basement	Corridor	Fire Door Frame	D	Metal	Blue	0.0	Neg
1st Floor	Foyer	Upper Wall	D	Plaster	White	0.2	Neg
1st Floor	Foyer	Lower Wall	D	Brick	White	0.0	Neg
1st Floor	Foyer	Baseboard	B	Vinyl	Red	-0.1	Neg
1st Floor	Foyer	Floor		Tile	Yellow	0.0	Neg

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
1st Floor	Foyer	Radiator	B	Metal	Silver	0.1	Neg
1st Floor	Foyer	Door	C	Wood	Varnish	0.0	Neg
1st Floor	Foyer	Door Casing	A	Wood	Varnish	0.0	Neg
1st Floor	Corridor 1	Wall	B	Brick	Beige	0.0	Neg
1st Floor	Corridor 1	Wall	C	Gypsum	Beige	-0.1	Neg
1st Floor	Corridor 1	Baseboard	B	Vinyl	Red	-0.1	Neg
1st Floor	Corridor 1	Floor		Vinyl	Blue	0.1	Neg
1st Floor	Corridor 1	Radiator	C	Metal	Silver	0.2	Neg
1st Floor	Corridor 1	Fire Door	C	Metal	Blue	-0.1	Neg
1st Floor	Corridor 1	Fire Door Frame	C	Metal	Blue	0.0	Neg
1st Floor	Corridor 1	Door	B	Wood	Varnish	0.0	Neg
1st Floor	Corridor 1	Door Casing	B	Wood	Varnish	0.1	Neg
1st Floor	Corridor 1	Door Jamb	B	Wood	Varnish	0.1	Neg
1st Floor	Corridor 1	Door Lintel	C	Metal	Beige	5.3	Pos
1st Floor	102	Wall	A	Plaster	White	0.2	Neg
1st Floor	102	Wall	B	Plaster	White	0.1	Neg
1st Floor	102	Baseboard	D	Vinyl	Red	-0.2	Neg
1st Floor	102	Floor		Vinyl	Red	0.0	Neg
1st Floor	102	Radiator	A	Metal	Silver	-0.2	Neg
1st Floor	102	Door	C	Wood	Varnish	0.0	Neg
1st Floor	102	Door Casing	C	Wood	Varnish	-0.1	Neg
1st Floor	102	Door Jamb	C	Wood	Varnish	0.1	Neg
1st Floor	102	Vent	C	Metal	Brown	0.1	Neg
1st Floor	102	Window Sill	A	Wood	Varnish	0.0	Neg
1st Floor	102	Window Casing	A	Wood	Varnish	-0.1	Neg
1st Floor	102	Cabinet Wall	C	Wood	Varnish	-0.1	Neg
1st Floor	102	Corkboard	D	Cork	Pink	0.8	Neg
1st Floor	102	Chalkboard	B	Slate	Black	0.1	Neg
1st Floor	Storage	Wall	D	Brick	White	0.0	Neg
1st Floor	Storage	Baseboard	D	Vinyl	Black	0.1	Neg
1st Floor	Storage	Floor		Vinyl	Brown	0.4	Neg
1st Floor	Storage	Door	A	Wood	White	-0.1	Neg
1st Floor	Storage	Door Casing	A	Wood	White	0.2	Neg
1st Floor	Storage	Door Jamb	A	Wood	White	0.1	Neg
1st Floor	Storage	Door Lintel	A	Metal	White	3.2	Pos
1st Floor	Janitor Closet	Wall	C	Brick	Blue	0.0	Neg
1st Floor	Janitor Closet	Baseboard	A	Vinyl	Red	-0.1	Neg
1st Floor	Janitor Closet	Floor		Vinyl	Gray	0.1	Neg
1st Floor	Janitor Closet	Sink	C	Porcelain	White	0.3	Neg
1st Floor	Janitor Closet	Door Casing	A	Wood	Varnish	0.0	Neg
1st Floor	Janitor Closet	Door Lintel	A	Metal	White	2.3	Pos
1st Floor	Women's Bath 2	Wall	B	Plaster	Pink	0.2	Neg
1st Floor	Women's Bath 2	Wall	C	Plaster	Pink	0.0	Neg
1st Floor	Women's Bath 2	Wall Chair Rail	C	Wood	Gray	0.2	Neg

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
1st Floor	Women's Bath 2	Baseboard	C	Wood	Gray	0.1	Neg
1st Floor	Women's Bath 2	Floor		Vinyl	Brown	0.3	Neg
1st Floor	Women's Bath 2	Door	A	Wood	Gray	0.1	Neg
1st Floor	Women's Bath 2	Door Casing	A	Wood	Gray	0.1	Neg
1st Floor	Women's Bath 2	Door Jamb	A	Wood	Gray	0.2	Neg
1st Floor	Women's Bath 2	Window Sill	C	Wood	Gray	0.1	Neg
1st Floor	Women's Bath 2	Window Casing	C	Wood	Gray	0.0	Neg
1st Floor	Women's Bath 2	Pipe	C	Metal	Gray	0.0	Neg
1st Floor	Women's Bath 2	Vent	A	Metal	Gray	0.1	Neg
1st Floor	Room 110	Wall	A	Plaster	White	0.2	Neg
1st Floor	Room 110	Wall	B	Plaster	White	0.1	Neg
1st Floor	Room 110	Baseboard	A	Vinyl	Blue	0.2	Neg
1st Floor	Room 110	Floor		Vinyl	Gray	0.1	Neg
1st Floor	Room 110	Radiator	B	Metal	Silver	0.2	Neg
1st Floor	Room 110	Door	D	Wood	Varnish	-0.1	Neg
1st Floor	Room 110	Door Casing	D	Wood	Varnish	0.0	Neg
1st Floor	Room 110	Door Jamb	D	Wood	Varnish	0.0	Neg
1st Floor	Room 110	Window Sill	B	Wood	Varnish	0.0	Neg
1st Floor	Room 110	Window Casing	B	Wood	Varnish	0.1	Neg
1st Floor	Room 110	Closet Door	D	Wood	Varnish	-0.1	Neg
1st Floor	Room 110	Closet Wall	D	Wood	Varnish	0.0	Neg
1st Floor	Room 110	Vent	D	Metal	Brown	0.0	Neg
1st Floor	Room 110	Corkboard	A	Cork	Pink	0.7	Neg
1st Floor	Room 110	Pipe	C	Metal	Gray	0.2	Neg
1st Floor	Room 110	Chalkboard	C	Slate	Black	0.0	Neg
1st Floor	Room 116	Wall	B	Plaster	White	0.1	Neg
1st Floor	Room 116	Wall	C	Plaster	White	0.1	Neg
1st Floor	Room 116	Wall	D	CMU	White	0.0	Neg
1st Floor	Room 116	Baseboard	A	Vinyl	Red	0.0	Neg
1st Floor	Room 116	Floor		Vinyl	Yellow	0.1	Neg
1st Floor	Room 116	Radiator	B	Metal	Silver	0.1	Neg
1st Floor	Room 116	Door	D	Wood	Varnish	0.0	Neg
1st Floor	Room 116	Door Casing	D	Wood	Varnish	0.0	Neg
1st Floor	Room 116	Door Jamb	D	Wood	Varnish	0.1	Neg
1st Floor	Room 116	Window Sill	B	Wood	Varnish	-0.1	Neg
1st Floor	Room 116	Window Casing	B	Wood	Varnish	0.0	Neg
1st Floor	Room 116	Closet Door	D	Wood	Varnish	0.0	Neg
1st Floor	Room 116	Closet Wall	D	Wood	Varnish	-0.1	Neg
1st Floor	Room 116	Vent	D	Metal	Brown	0.1	Neg
1st Floor	Room 116	Chalkboard	C	Slate	Black	0.1	Neg
1st Floor	Room 116	Corkboard	A	Cork	White	0.6	Neg
1st Floor	Women's Bath 1	Wall	A	Brick	Beige	0.0	Neg
1st Floor	Women's Bath 1	Floor		Concrete	Gray	0.0	Neg
1st Floor	Women's Bath 1	Radiator	A	Metal	Silver	0.0	Neg

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1st Floor	Women's Bath 1	Door	B	Wood	Varnish	0.1	Neg
1st Floor	Women's Bath 1	Door Casing	B	Wood	Varnish	-0.1	Neg
1st Floor	Women's Bath 1	Window Casing	A	Wood	Varnish	0.1	Neg
1st Floor	Women's Bath 1	Pipe	A	Metal	Silver	0.0	Neg
1st Floor	Women's Bath 1	Stall	C	Wood	Black	0.1	Neg
1st Floor	Women's Bath 1	Drain Pipe	C	Metal	Black	0.4	Neg
1st Floor	Lounge	Wall	C	Plaster	White	0.1	Neg
1st Floor	Lounge	Wall	D	Plaster	White	0.0	Neg
1st Floor	Lounge	Wall Chair Rail	C	Wood	White	0.0	Neg
1st Floor	Lounge	Baseboard	C	Wood	White	0.0	Neg
1st Floor	Lounge	Floor		Vinyl	Brown	0.5	Neg
1st Floor	Lounge	Radiator	C	Metal	Silver	0.1	Neg
1st Floor	Lounge	Door	B	Wood	White	0.0	Neg
1st Floor	Lounge	Door Casing	B	Wood	White	0.1	Neg
1st Floor	Lounge	Door Jamb	B	Wood	White	0.0	Neg
1st Floor	Lounge	Window Sill	C	Wood	White	0.1	Neg
1st Floor	Lounge	Window Casing	C	Wood	White	0.0	Neg
1st Floor	Auditorium	Wall	A	Plaster	White	0.0	Neg
1st Floor	Auditorium	Wall	A	Plaster	White	0.1	Neg
1st Floor	Auditorium	Wall	C	Brick	White	0.0	Neg
1st Floor	Auditorium	Wall Chair Rail	B	Wood	White	9.7	Pos
1st Floor	Auditorium	Baseboard	A	Wood	Gray	0.2	Neg
1st Floor	Auditorium	Radiator	C	Metal	White	-0.3	Neg
1st Floor	Auditorium	Door	A	Wood	Varnish	0.0	Neg
1st Floor	Auditorium	Door Casing	A	Wood	White	9.6	Pos
1st Floor	Auditorium	Door Jamb	A	Wood	White	13.3	Pos
1st Floor	Auditorium	Door Threshold	A	Metal	Black	6.1	Pos
1st Floor	Auditorium	Door Casing	B	Wood	White	10.1	Pos
1st Floor	Auditorium	Door Jamb	B	Wood	White	9.1	Pos
1st Floor	Auditorium	Door Threshold	B	Metal	Black	5.4	Pos
1st Floor	Auditorium	Vent	B	Metal	White	1.6	Pos
1st Floor	Auditorium	Rail Cap	A	Wood	White	8.1	Pos
1st Floor	Auditorium	Vent	A	Metal	White	0.3	Neg
1st Floor	Auditorium	Stage Stair Tread		Wood	Varnish	0.0	Neg
1st Floor	Auditorium	Stage Stair Riser		Wood	White	4.8	Pos
1st Floor	Auditorium	Stage Stair Stringer		Wood	Varnish	9.3	Pos
1st Floor	Stage	Wall	B	Brick	White	0.2	Neg
1st Floor	Stage	Radiator	C	Metal	White	0.1	Neg
1st Floor	Stage	Door	D	Wood	Varnish	0.0	Neg
1st Floor	Stage	Door Casing	D	Wood	Varnish	-0.1	Neg
1st Floor	Stage	Door Jamb	D	Wood	Varnish	0.0	Neg
1st Floor	Stage	Closet Door	D	Wood	White	0.0	Neg
1st Floor	Stage	Drain Pipe	C	Metal	White	0.6	Neg
1st Floor	Stage	Corner Trim	A	Wood	White	10.9	Pos

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1st Floor	Stage	Handrail	C	Metal	Black	0.2	Neg
1st Floor	Stage	Railing		Metal	Red	0.2	Neg
1st Floor	Stage	Newel Post		Metal	Black	4.7	Pos
1st Floor	Stage	Stair Tread		Concrete	Black	0.3	Neg
1st Floor	Stage	Stair Riser		Metal	Black	4.1	Pos
1st Floor	Stage	Stair Stringer		Metal	Black	1.9	Pos
1st Floor	Stage	Rail Cap		Metal	Black	5.9	Pos
1st Floor	Stage	Baluster		Metal	Black	5.9	Pos
1st Floor	Stage	Handrail		Metal	Black	4.7	Pos
1st Floor	Stage	Stair Tread		Metal	Yellow	17.3	Pos
1st Floor	Room 107	Wall	C	Plaster	White	0.2	Neg
1st Floor	Room 107	Wall	D	Plaster	White	0.1	Neg
1st Floor	Room 107	Wall Chair Rail	D	Wood	Varnish	0.1	Neg
1st Floor	Room 107	Baseboard	C	Vinyl	Blue	0.0	Neg
1st Floor	Room 107	Floor		Tile	Yellow	0.1	Neg
1st Floor	Room 107	Radiator	D	Metal	Silver	0.2	Neg
1st Floor	Room 107	Door	C	Wood	Varnish	0.0	Neg
1st Floor	Room 107	Door Casing	C	Wood	Varnish	0.1	Neg
1st Floor	Room 107	Door Jamb	C	Wood	Varnish	-0.1	Neg
1st Floor	Room 107	Window Sill	D	Wood	Varnish	0.1	Neg
1st Floor	Room 107	Window Casing	D	Wood	Varnish	0.0	Neg
1st Floor	Gym	Wall	A	Brick	White	0.0	Neg
1st Floor	Gym	Baseboard	B	Vinyl	Brown	0.1	Neg
1st Floor	Gym	Floor		Wood	Varnish	-0.1	Neg
1st Floor	Gym	Door	B	Wood	Varnish	0.0	Neg
1st Floor	Gym	Door Casing	B	Wood	Varnish	-0.1	Neg
1st Floor	Gym	Door Lintel	B	Metal	Red	4.8	Pos
1st Floor	Gym	Door	B	Metal	Red	5.9	Pos
1st Floor	Gym	Door Frame	B	Metal	Red	0.3	Neg
1st Floor	Gym	Vent	B	Metal	White	0.2	Neg
1st Floor	Room 117	Wall	D	Plaster	White	0.1	Neg
1st Floor	Room 117	Baseboard	C	Wood	Varnish	0.0	Neg
1st Floor	Room 117	Radiator	C	Metal	Silver	-0.1	Neg
1st Floor	Room 117	Door	B	Metal	Blue	0.0	Neg
1st Floor	Room 117	Door Frame	B	Metal	Blue	0.1	Neg
1st Floor	Room 117	Window Sill	C	Wood	Varnish	0.0	Neg
1st Floor	Room 117	Window Casing	C	Wood	Varnish	0.1	Neg
1st Floor	Room 117	Chalkboard	D	Slate	Black	0.2	Neg
1st Floor	Corridor 2	Wall	A	CMU	White	0.0	Neg
1st Floor	Corridor 2	Door	D	Metal	Red	0.0	Neg
1st Floor	Corridor 2	Door Frame	D	Metal	Red	0.1	Neg
1st Floor	Corridor 2	Door Lintel	D	Metal	Beige	2.7	Pos
1st Floor	Corridor 2	Door Lintel	B	Metal	Beige	7.3	Pos
1st Floor	Corridor 2	Stair Tread		Vinyl	Beige	0.1	Neg

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1st Floor	Corridor 2	Stair Riser		Metal	Black	3.7	Pos
1st Floor	Corridor 2	Stair Stringer		Metal	Black	1.6	Pos
1st Floor	Corridor 2	Handrail	B	Metal	Black	1.0	Pos
1st Floor	Room 111	Wall	A	Plaster	White	0.0	Neg
1st Floor	Room 111	Baseboard	A	Vinyl	Red	-0.1	Neg
1st Floor	Room 111	Floor		Vinyl	Red	0.0	Neg
1st Floor	Room 111	Radiator	D	Metal	Silver	0.1	Neg
1st Floor	Room 111	Door	B	Wood	Varnish	0.0	Neg
1st Floor	Room 111	Door Casing	B	Wood	Varnish	-0.1	Neg
1st Floor	Room 111	Door Jamb	B	Wood	Varnish	0.0	Neg
1st Floor	Room 111	Window Sill	D	Wood	Varnish	0.0	Neg
1st Floor	Room 111	Window Casing	D	Wood	Varnish	0.1	Neg
1st Floor	Room 111	Closet Wall	B	Wood	Varnish	0.0	Neg
1st Floor	Room 111	Chalkboard	A	Slate	Black	0.1	Neg
1st Floor	Room 111	Corkboard	C	Cork	Green	0.8	Neg
1st Floor	Corridor 3	Ceiling		Plaster	White	0.0	Neg
1st Floor	Corridor 3	Wall	B	Brick	Beige	0.0	Neg
1st Floor	Corridor 3	Wall	B	Concrete	Beige	0.1	Neg
1st Floor	Corridor 3	Baseboard	B	Vinyl	Red	0.1	Neg
1st Floor	Corridor 3	Floor	B	Vinyl	Beige	0.0	Neg
1st Floor	Corridor 3	Radiator	B	Metal	Silver	0.0	Neg
1st Floor	Corridor 3	Elevator Door	B	Metal	Beige	0.1	Neg
1st Floor	Corridor 3	Elevator Door Frame	B	Metal	Beige	0.0	Neg
1st Floor	Corridor 3	Window Casing	B	Wood	Varnish	0.1	Neg
1st Floor	Room 126	Wall	B	CMU	White	0.1	Neg
1st Floor	Room 126	Baseboard	A	Vinyl	Blue	0.1	Neg
1st Floor	Room 126	Floor		Vinyl	Yellow	0.0	Neg
1st Floor	Room 126	Vent	C	Metal	Beige	0.0	Neg
1st Floor	Room 126	Window Sill	D	Concrete	White	0.1	Neg
1st Floor	Room 126	Chalkboard	A	Slate	White	2.6	Pos
1st Floor	Room 126	Wall	A	CMU	White	0.1	Neg
1st Floor	Room 126	Wall	A	Brick	White	0.0	Neg
1st Floor	Room 126	Baseboard	A	Vinyl	Blue	0.2	Neg
1st Floor	Room 126	Floor		Tile	Yellow	0.1	Neg
1st Floor	Room 126	Door	B	Metal	Blue	-0.1	Neg
1st Floor	Room 126	Door Frame	B	Metal	Blue	0.0	Neg
2nd Floor	Room 205	Wall	C	Plaster	White	0.1	Neg
2nd Floor	Room 205	Wall	D	Plaster	White	0.2	Neg
2nd Floor	Room 205	Wall Chair Rail	C	Wood	Varnish	0.0	Neg
2nd Floor	Room 205	Baseboard	B	Wood	Varnish	0.0	Neg
2nd Floor	Room 205	Radiator	C	Metal	Silver	0.1	Neg
2nd Floor	Room 205	Door	A	Wood	Varnish	0.0	Neg
2nd Floor	Room 205	Door Casing	A	Wood	Varnish	0.0	Neg
2nd Floor	Room 205	Door Jamb	A	Wood	Varnish	0.1	Neg

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
2nd Floor	Room 205	Window Sill	C	Wood	Varnish	0.0	Neg
2nd Floor	Room 205	Window Casing	C	Wood	Varnish	-0.1	Neg
2nd Floor	Room 205	Sink	D	Metal	Red	0.0	Neg
2nd Floor	Media Center	Wall	A	Plaster	White	0.1	Neg
2nd Floor	Media Center	Baseboard	A	Wood	Varnish	0.0	Neg
2nd Floor	Media Center	Radiator	A	Metal	Silver	0.2	Neg
2nd Floor	Media Center	Door	C	Wood	Varnish	0.0	Neg
2nd Floor	Media Center	Door Casing	C	Wood	Varnish	0.1	Neg
2nd Floor	Media Center	Door	C	Metal	Blue	-0.1	Neg
2nd Floor	Media Center	Door Frame	C	Metal	Blue	0.0	Neg
2nd Floor	Media Center	Window Sill	A	Wood	Varnish	0.1	Neg
2nd Floor	Media Center	Window Casing	A	Wood	Varnish	-0.1	Neg
2nd Floor	Media Center	Window Frame	A	Metal	Blue	0.0	Neg
2nd Floor	Media Center	Closet Wall	C	Metal	Black	0.0	Neg
2nd Floor	Room 208	Wall	A	Brick	Black	0.1	Neg
2nd Floor	Room 208	Wall	A	Particle Board	White	0.0	Neg
2nd Floor	Room 208	Wall	A	Plaster	White	0.1	Neg
2nd Floor	Room 208	Wall	B	Plaster	White	0.2	Neg
2nd Floor	Room 208	Radiator	B	Metal	Silver	0.1	Neg
2nd Floor	Room 208	Door	D	Wood	Varnish	0.0	Neg
2nd Floor	Room 208	Door Casing	D	Wood	Varnish	0.1	Neg
2nd Floor	Room 208	Window Sill	B	Wood	Varnish	0.0	Neg
2nd Floor	Room 208	Window Casing	B	Wood	Varnish	-0.1	Neg
2nd Floor	Room 208	Closet Wall	D	Plaster	White	0.1	Neg
2nd Floor	Room 208	Chalkboard	C	Slate	Black	-0.1	Neg
2nd Floor	Room 218	Wall	A	Plaster	White	0.2	Neg
2nd Floor	Room 218	Wall	D	Plaster	Blue	0.2	Neg
2nd Floor	Room 218	Baseboard	C	Vinyl	Blue	0.0	Neg
2nd Floor	Room 218	Floor		Tile	Beige	0.1	Neg
2nd Floor	Room 218	Radiator	B	Metal	Silver	0.2	Neg
2nd Floor	Room 218	Door	D	Wood	Varnish	0.0	Neg
2nd Floor	Room 218	Door Casing	D	Wood	Varnish	0.1	Neg
2nd Floor	Room 218	Door Jamb	D	Wood	Varnish	0.0	Neg
2nd Floor	Room 218	Window Sill	B	Wood	Varnish	-0.1	Neg
2nd Floor	Room 218	Window Casing	B	Wood	Varnish	0.0	Neg
2nd Floor	Room 218	Chalkboard	C	Slate	Black	0.2	Neg
2nd Floor	Room 218	Vent	D	Metal	Brown	0.1	Neg
2nd Floor	Room 211	Wall	C	Plaster	White	0.1	Neg
2nd Floor	Room 211	Wall	D	Plaster	White	0.2	Neg
2nd Floor	Room 211	Baseboard	C	Vinyl	Blue	0.1	Neg
2nd Floor	Room 211	Radiator	D	Metal	Silver	0.2	Neg
2nd Floor	Room 211	Door	B	Wood	Varnish	-0.1	Neg
2nd Floor	Room 211	Door Casing	B	Wood	Varnish	0.0	Neg
2nd Floor	Room 211	Door Jamb	B	Wood	Varnish	0.1	Neg

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
2nd Floor	Room 211	Window Sill	D	Wood	Varnish	0.0	Neg
2nd Floor	Room 211	Window Casing	D	Wood	Varnish	0.1	Neg
2nd Floor	Room 211	Vent	B	Metal	Brown	0.2	Neg
2nd Floor	Room 211	Chalkboard	A	Slate	Black	0.1	Neg
2nd Floor	Girls Bath	Wall	A	Brick	Beige	0.0	Neg
2nd Floor	Girls Bath	Wall	D	Tile	White	-0.1	Neg
2nd Floor	Girls Bath	Radiator	A	Metal	Silver	0.1	Neg
2nd Floor	Girls Bath	Door	D	Metal	Beige	-0.1	Neg
2nd Floor	Girls Bath	Door Frame	D	Metal	Beige	0.0	Neg
2nd Floor	Girls Bath	Window Sill	A	Wood	Varnish	0.0	Neg
2nd Floor	Girls Bath	Window Casing	A	Wood	Varnish	0.1	Neg
2nd Floor	Girls Bath	Drain Pipe	C	Metal	White	1.4	Pos
2nd Floor	Girls Bath	Stall	C	Wood	Black	0.1	Neg
2nd Floor	Corridor	Wall	D	Brick	Beige	0.0	Neg
2nd Floor	Corridor	Wall	A	Plaster	White	0.0	Neg
2nd Floor	Corridor	Wall	B	Concrete	White	0.0	Neg
2nd Floor	Corridor	Baseboard	D	Vinyl	Red	-0.1	Neg
2nd Floor	Corridor	Floor		Tile	Beige	0.0	Neg
2nd Floor	Corridor	Radiator	D	Metal	Silver	0.1	Neg
2nd Floor	Corridor	Door	B	Wood	Varnish	-0.2	Neg
2nd Floor	Corridor	Door Casing	B	Wood	Varnish	0.1	Neg
2nd Floor	Corridor	Elevator Door	B	Metal	Beige	0.1	Neg
2nd Floor	Corridor	Elevator Door Frame	B	Metal	Beige	0.0	Neg
2nd Floor	Corridor	Window Casing	D	Wood	Varnish	0.0	Neg
2nd Floor	Corridor	Cabinet Wall	A	Particle Board	White	0.0	Neg
2nd Floor	Corridor	Fuse Box	B	Metal	Brown	0.7	Neg
2nd Floor	Bath 2	Wall	A	CMU	White	0.0	Neg
2nd Floor	Bath 2	Wall	A	Brick	White	-0.1	Neg
2nd Floor	Bath 2	Wall	B	Tile	White	0.4	Neg
2nd Floor	Bath 2	Radiator	B	Metal	Silver	0.1	Neg
2nd Floor	Bath 2	Door	B	Metal	Gray	0.0	Neg
2nd Floor	Bath 2	Door Frame	B	Metal	Gray	-0.1	Neg
2nd Floor	Bath 2	Window Sill	A	Wood	Varnish	0.0	Neg
2nd Floor	Bath 2	Window Casing	A	Wood	Varnish	0.1	Neg
2nd Floor	Bath 2	Stall	C	Wood	Black	0.0	Neg
2nd Floor	Bath 2	Drain Pipe	C	Metal	White	1.0	Pos

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XRF Data – Exterior

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Exterior	Exterior	Door	C	Metal	Orange	4.4	Pos
Exterior	Exterior	Door Frame	C	Metal	Orange	3.9	Pos
Exterior	Exterior	Door	B	Metal	Orange	0.4	Neg
Exterior	Exterior	Door Casing	B	Wood	Orange	9.8	Pos
Exterior	Exterior	Door Jamb	B	Wood	Orange	5.8	Pos
Exterior	Exterior	Window Frame	C	Wood	White	4.4	Pos
Exterior	Exterior	Door	C	Metal	Orange	0.1	Neg
Exterior	Exterior	Door Frame	C	Metal	Orange	0.2	Neg
Exterior	Exterior	Handrail	A	Metal	Black	0.1	Neg
Exterior	Exterior	Door	D	Metal	Orange	0.0	Neg
Exterior	Exterior	Door Frame	D	Metal	Orange	9.5	Pos
Exterior	Exterior	Telephone Box	C	Metal	White	0.1	Neg
Exterior	Exterior	Fence	C	Metal	Yellow	0.2	Neg
Exterior	Exterior	Steps	B	Concrete	Yellow	0.2	Neg
Exterior	Exterior	Vent	B	Metal	Brown	0.0	Neg
Exterior	Exterior	Wall	C	Brick	Yellow	1.3	Pos
Exterior	Exterior	Overhang	C	Wood	White	7.6	Pos
Exterior	Exterior	Door Casing	A	Wood	Brown	-0.1	Neg
Exterior	Exterior	Vent Frame	A	Metal	Brown	-0.1	Neg
Exterior	Exterior	Handrail	C	Metal	Black	0.2	Neg
Exterior	Exterior	Wall Plate	C	Metal	Orange	0.3	Neg
Exterior	Exterior	Door Lintel	C	Metal	Orange	4.9	Pos
Exterior	Exterior	Pipe	C	Metal	Orange	0.3	Neg
		Calibration				0.8	
		Calibration				0.9	
		Calibration				0.8	

4.1 XRF Data – Surfaces Found To Be Positive For LBP

Surfaces that have been identified as lead containing materials or containing lead-based paint above federal standards are listed as follows:

789 Post Road, Warwick

Positive Interior XRF Data

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Classroom 1	Sink	A	Porcelain	White	21.5	Pos
Basement	Classroom 1	Chalkboard	B	Slate	Brown	2.2	Pos
Basement	Classroom 2	Floor		Tile	Brown	1.8	Pos
Basement	Classroom 2	Cabinet Shelf	C	Metal	Green	1.5	Pos
Basement	Classroom 2	Cabinet	A	Wood	White	1.3	Pos
Basement	Electrical Room	Wall	D	Concrete	Brown	2.0	Pos
Basement	Electrical Room	Wall	C	Concrete	Beige	2.1	Pos
Basement	Electrical Room	Door	A	Metal	Brown	9.1	Pos
Basement	Staircase 1	Newel Post		Metal	Black	3.9	Pos
Basement	Staircase 1	Stair Riser		Metal	Black	1.5	Pos
Basement	Staircase 1	Stair Stringer		Metal	Black	3.5	Pos
Basement	Staircase 1	Rail Cap		Metal	Black	1.8	Pos
Basement	Staircase 1	Baluster		Metal	Black	2.1	Pos
Basement	Staircase 1	Handrail		Metal	Black	2.1	Pos
Basement	Staircase 2	Newel Post		Metal	Black	3.4	Pos
Basement	Staircase 2	Stair Riser		Metal	Black	2.0	Pos
Basement	Staircase 2	Stair Stringer		Metal	Black	3.7	Pos
Basement	Staircase 2	Rail Cap		Metal	Black	5.1	Pos
Basement	Staircase 2	Baluster		Metal	Black	5.0	Pos
Basement	Staircase 2	Handrail		Metal	Black	2.1	Pos
Basement	Staircase 2	Stair Pan		Metal	Black	3.6	Pos
Basement	Boiler Room	Door Frame	A	Metal	Red	1.3	Pos
Basement	Boiler Room	Railing	C	Metal	Yellow	1.7	Pos
Basement	Boiler Room	Handrail		Metal	Yellow	1.5	Pos
Basement	Staircase 3	Door Lintel	D	Metal	White	1.7	Pos
Basement	Staircase 3	Stair Riser		Metal	Black	3.3	Pos
Basement	Staircase 3	Stair Stringer		Metal	Black	2.0	Pos
Basement	Staircase 3	Handrail	B	Metal	Black	5.3	Pos
Basement	Staircase 4	Newel Post		Metal	Black	6.2	Pos
Basement	Staircase 4	Stair Riser		Wood	Black	2.2	Pos
Basement	Staircase 4	Stair Stringer		Metal	Black	3.2	Pos
Basement	Staircase 4	Rail Cap		Metal	Black	2.5	Pos
Basement	Staircase 4	Baluster		Metal	Black	3.3	Pos
Basement	Staircase 4	Handrail		Metal	Black	1.8	Pos
Basement	Staircase 5	Newel Post		Metal	Black	6.9	Pos

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
Basement	Staircase 5	Stair Riser		Metal	Black	4.0	Pos
Basement	Staircase 5	Stair Stringer		Metal	Black	3.5	Pos
Basement	Staircase 5	Rail Cap		Metal	Black	5.2	Pos
Basement	Staircase 5	Baluster		Metal	Black	2.2	Pos
Basement	Staircase 5	Handrail	C	Metal	Black	1.8	Pos
Basement	Corridor	Door Frame	C	Metal	Red	1.2	Pos
Basement	Staircase 6	Stair Riser		Metal	Black	3.1	Pos
Basement	Staircase 6	Stair Stringer		Metal	Black	2.5	Pos
Basement	Staircase 6	Handrail		Metal	Black	3.5	Pos
Basement	Stair B Level	Door Frame	C	Metal	Blue	2.5	Pos
Basement	Stair B Level	Door Frame	A	Metal	Blue	5.0	Pos
Basement	Stair B Level	Door	D	Metal	Blue	4.5	Pos
Basement	Stair B Level	Drain Pipe	A	Metal	Brown	1.0	Pos
Basement	Bath SB	Wall	B	Tile	Beige	5.4	Pos
Basement	Bath SB	Door Frame	A	Metal	White	6.4	Pos
Basement	Bath SB	Lintel	A	Metal	White	1.8	Pos
Basement	Room 20	Chalkboard	A	Vinyl	White	3.1	Pos
Basement	Room 22	Chalkboard	C	Vinyl	White	3.0	Pos
1st Floor	Corridor 1	Door Lintel	C	Metal	Beige	5.3	Pos
1st Floor	Storage	Door Lintel	A	Metal	White	3.2	Pos
1st Floor	Janitor Closet	Door Lintel	A	Metal	White	2.3	Pos
1st Floor	Auditorium	Wall Chair Rail	B	Wood	White	9.7	Pos
1st Floor	Auditorium	Door Casing	A	Wood	White	9.6	Pos
1st Floor	Auditorium	Door Jamb	A	Wood	White	13.3	Pos
1st Floor	Auditorium	Door Threshold	A	Metal	Black	6.1	Pos
1st Floor	Auditorium	Door Casing	B	Wood	White	10.1	Pos
1st Floor	Auditorium	Door Jamb	B	Wood	White	9.1	Pos
1st Floor	Auditorium	Door Threshold	B	Metal	Black	5.4	Pos
1st Floor	Auditorium	Vent	B	Metal	White	1.6	Pos
1st Floor	Auditorium	Rail Cap	A	Wood	White	8.1	Pos
1st Floor	Auditorium	Stage Stair Riser		Wood	White	4.8	Pos
1st Floor	Auditorium	Stage Stair Stringer		Wood	Varnish	9.3	Pos
1st Floor	Stage	Corner Trim	A	Wood	White	10.9	Pos
1st Floor	Stage	Newel Post		Metal	Black	4.7	Pos
1st Floor	Stage	Stair Riser		Metal	Black	4.1	Pos
1st Floor	Stage	Stair Stringer		Metal	Black	1.9	Pos
1st Floor	Stage	Rail Cap		Metal	Black	5.9	Pos
1st Floor	Stage	Baluster		Metal	Black	5.9	Pos
1st Floor	Stage	Handrail		Metal	Black	4.7	Pos
1st Floor	Stage	Stair Tread		Metal	Yellow	17.3	Pos
1st Floor	Gym	Door Lintel	B	Metal	Red	4.8	Pos
1st Floor	Gym	Door	B	Metal	Red	5.9	Pos
1st Floor	Corridor 2	Door Lintel	D	Metal	Beige	2.7	Pos
1st Floor	Corridor 2	Door Lintel	B	Metal	Beige	7.3	Pos

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Floor	Room	Component	Side	Substrate	Color	XRF	Results
1st Floor	Corridor 2	Stair Riser		Metal	Black	3.7	Pos
1st Floor	Corridor 2	Stair Stringer		Metal	Black	1.6	Pos
1st Floor	Corridor 2	Handrail	B	Metal	Black	1.0	Pos
1st Floor	Room 126	Chalkboard	A	Slate	White	2.6	Pos
2nd Floor	Girls Bath	Drain Pipe	C	Metal	White	1.4	Pos
2nd Floor	Bath 2	Drain Pipe	C	Metal	White	1.0	Pos

Positive Exterior XRF Data

Floor	Room	Component	Side	Substrate	Color	XRF	Results
Exterior	Exterior	Door	C	Metal	Orange	4.4	Pos
Exterior	Exterior	Door Frame	C	Metal	Orange	3.9	Pos
Exterior	Exterior	Door Casing	B	Wood	Orange	9.8	Pos
Exterior	Exterior	Door Jamb	B	Wood	Orange	5.8	Pos
Exterior	Exterior	Window Frame	C	Wood	White	4.4	Pos
Exterior	Exterior	Door Frame	D	Metal	Orange	9.5	Pos
Exterior	Exterior	Wall	C	Brick	Yellow	1.3	Pos
Exterior	Exterior	Overhang	C	Wood	White	7.6	Pos
Exterior	Exterior	Door Lintel	C	Metal	Orange	4.9	Pos

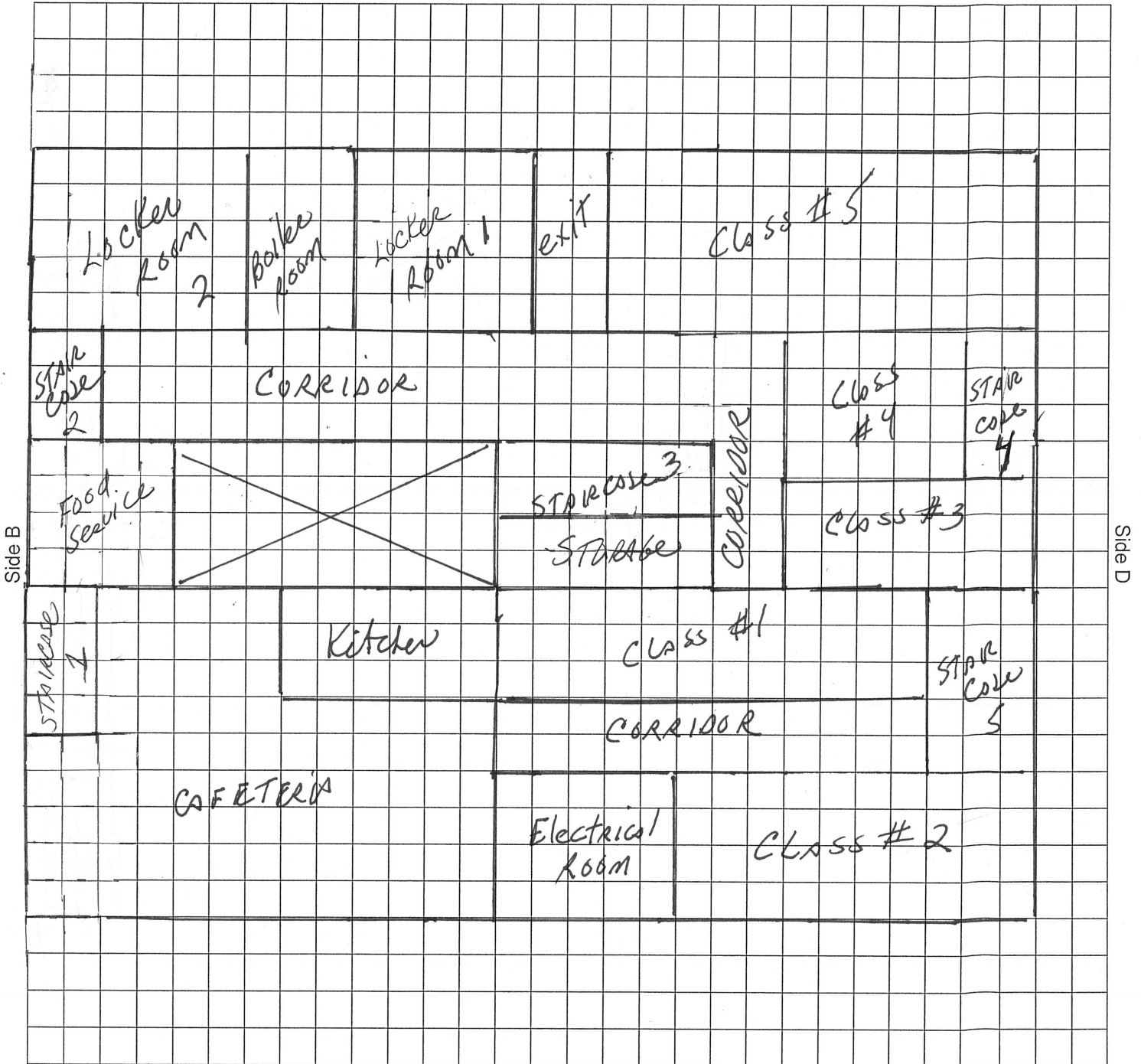
Floor Plans

FLOOR PLAN/PROPERTY SKETCH (GRID)

Street Address: 789 Post Rd.

Unit: Base City: Warwick

Side C



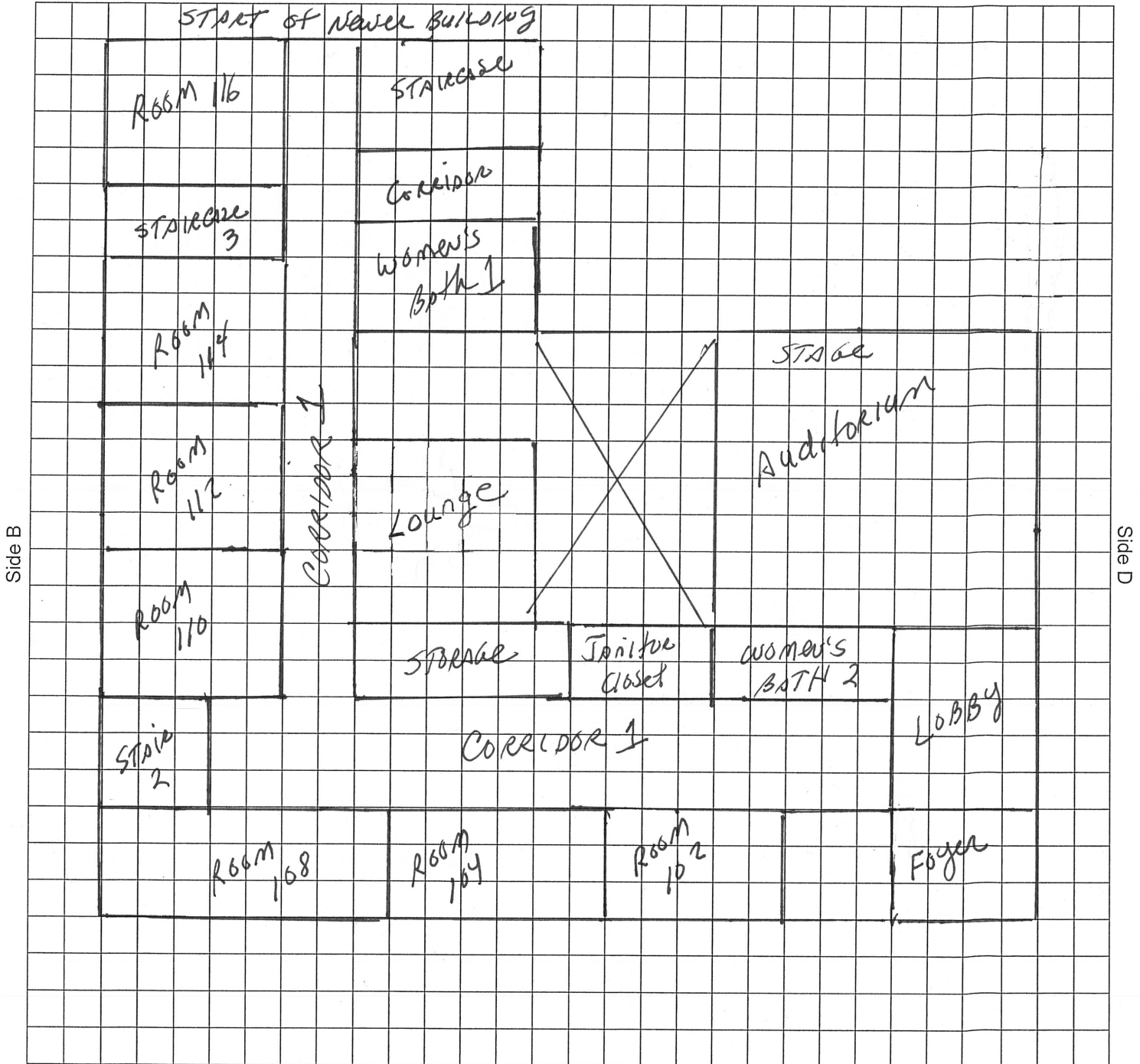
Side A (Address Street)

FLOOR PLAN/PROPERTY SKETCH (GRID)

Street Address: 789 Post Rd.

Unit: 1st fl City: Warwick
Mans Building

Side C



Side A (Address Street)

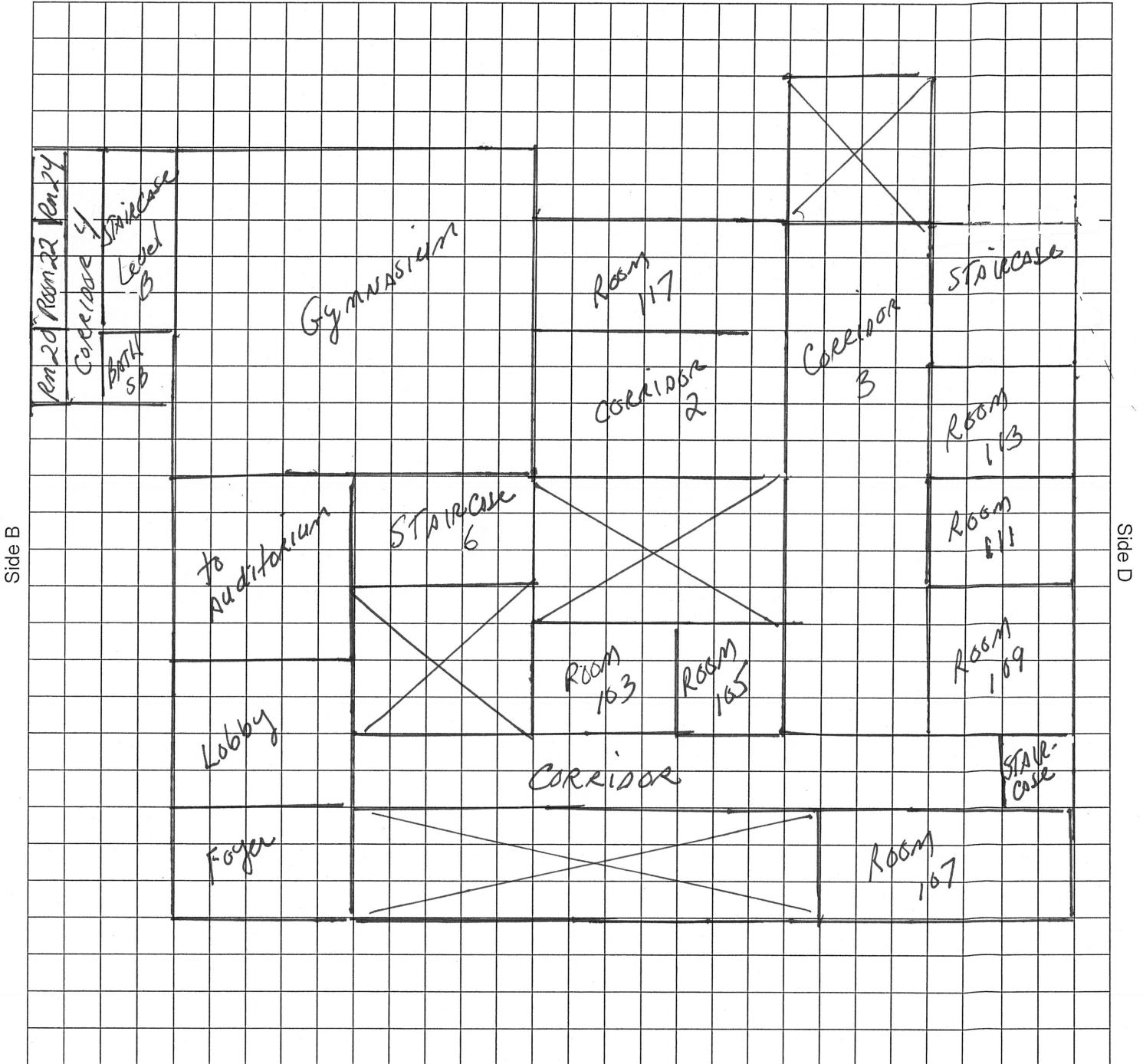
FLOOR PLAN/PROPERTY SKETCH (GRID)

Street Address: 789 Post Rd.

Unit: 1st Fl City: Warwick

NEAR SECTION

Side C



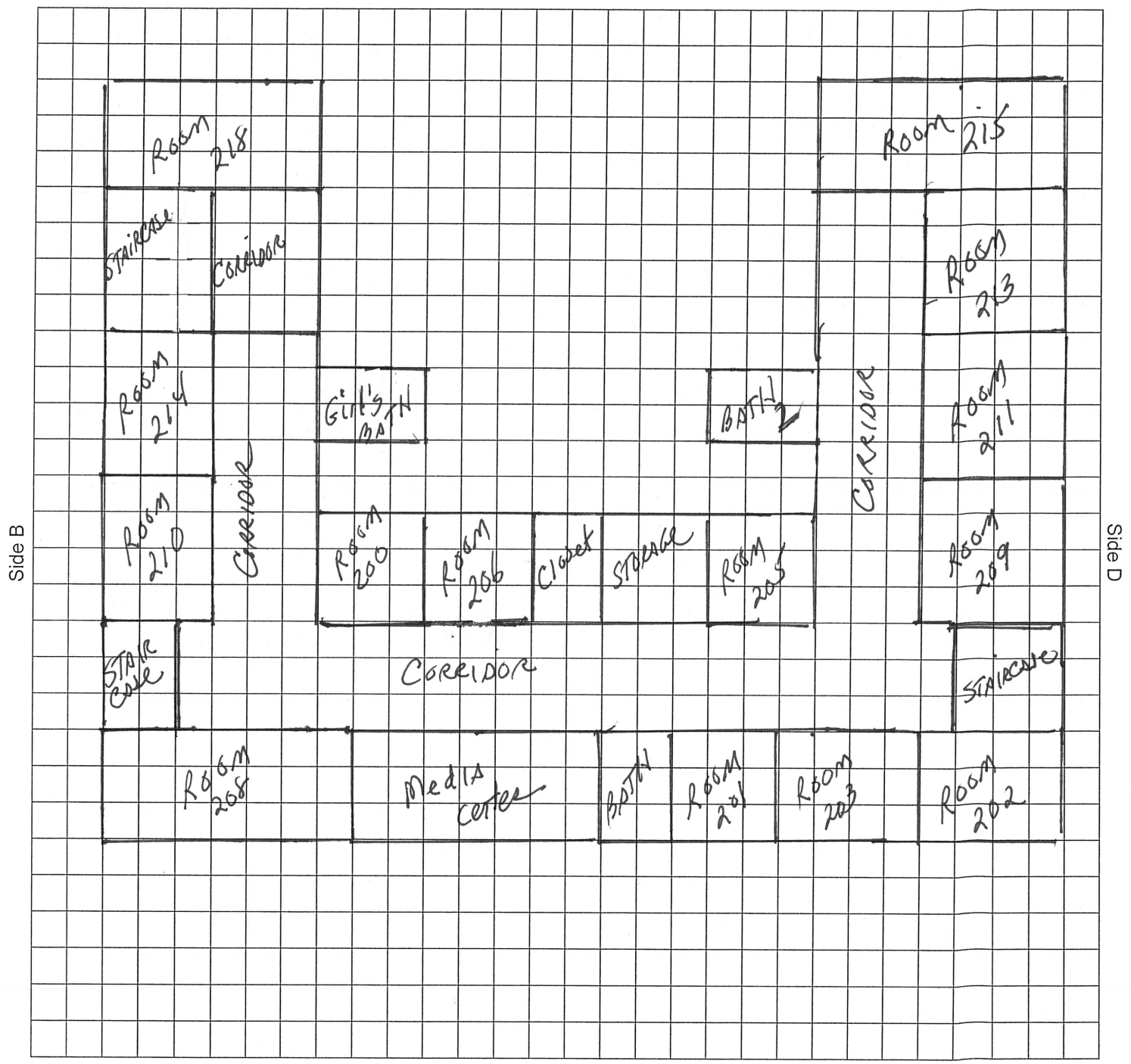
Side A (Address Street)

FLOOR PLAN/PROPERTY SKETCH (GRID)

Street Address: 789 Post Rd.

Unit: 2ND FL City: Warwick

Side C



Side A (Address Street)

Inspector License

Rhode Island Department of Health

Lead Program

Lead Inspector

BRENDA J EASTMAN

Exp. Date: 10/31/2022

License #: LI00044

Member of C.O.N.E.S.T.





GZA GeoEnvironmental, Inc.