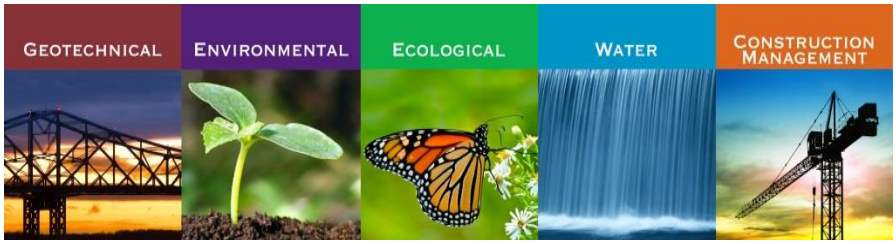

ASBESTOS, LEAD AND HAZARDOUS BUILDING MATERIALS SURVEY

PORTSMOUTH POLICE STATION
PORTSMOUTH, RHODE ISLAND

Submitted to:

The Town of Portsmouth
Portsmouth, Rhode Island

February 2016
File No. 34168.00

Proactive By Design.
Our Company Commitment

GZA GeoEnvironmental, Inc.

530 Broadway | Providence, Rhode Island 02909
401-421-4140

27 Offices Nationwide
www.gza.com

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GEOTECHNICAL
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CONSTRUCTION MANAGEMENT

530 Broadway
Providence, RI 02909
T: 401.421.4140
F: 401.751.8613
www.gza.com

February 4, 2016
File No. 34168.00

James Lathrop
Finance Department
2200 East Main Road
Portsmouth, Rhode Island 02871

Re: Hazardous Building Materials Assessment Report
Portsmouth Police Station
2270 East Main Road
Portsmouth, Rhode Island

Dear Mr. Lathrop:

GZA GeoEnvironmental, Inc. ("GZA") is pleased to submit this *Asbestos and Hazardous Building Materials Assessment Report* to the Town of Portsmouth (the "Client") for the above-listed property ("the Site"). We understand that it is the Client's intent to demolition the structure ("Building").

This report presents the results of an asbestos and hazardous building materials assessment conducted by GZA GeoEnvironmental, Inc. (GZA) for the Town of Portsmouth of an existing one-story commercial property located at 2270 East Main Road in Portsmouth, 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. This report and our opinions and recommendations are subject to the Limitations provided below and in Attachment A.

On December 16, 2015, an assessment was conducted by Mr. Erik Beloff (License # AAC-0938IS) in accordance with RIDOH regulations, Rules and Regulations for Asbestos Control (R23-24.5-ASB). 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 asbestos-containing materials.

Thanks you for this opportunity to be of service to you. 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
Assistant Project Manager
RIDOH-Licensed Asbestos Inspector

John Pilling
Consultant/Reviewer

Edward A. Summerly, P.G.
Principal

Attachments: Report

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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 Town of Portsmouth (Client) at the property identified as the Portsmouth Police Station (Site) located at 2270 East Main Road in Portsmouth, Rhode Island. The site visit portion of the survey was conducted on December 16, 2015, in general accordance with GZA's Proposal No. 03.P000187.16 dated October 16, 2015. 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 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 and PCBs, an X-Ray Fluorescence (XRF) lead paint inspection and the quantification of identified ACMs and hazardous 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 approximately 5,659-square-foot commercial building located at 2270 East Main Road, Portsmouth, Rhode Island is a one story masonry-block and brick structure erected on a concrete slab-on-grade floor. Records indicate the original construction in 1975 consisted of a 4, 144-square-foot structure and a 1,515-square-foot addition was completed in 1995. At the time of the assessment, the building was occupied with employees of the Town of Portsmouth Police Department. The building's built-up roofing system was observed to consist of an asphaltic cap sheet, an approximate ½-inch of fiberboard insulation layer over a poly-iso cyanurate insulation layer on-top of a concrete deck substrate. Exterior walls on the building consist of brick and concrete masonry units (CMU). Interior walls consist of ceramic tile, plaster with skim coat, gypsum wallboard or painted CMU block. The flooring finishes consist of sheet flooring, 12-inch resilient floor tile with concrete substrate, ceramic tile and carpet. The ceilings throughout the building were finished with a fastened ceiling tile systems or the ceiling is open exposing the underlayment for the roof substrate. The building's domestic hot water is supplied by a natural gas hot water heater.

The building's natural gas supplied forced-air heating system is located on the first floor and electric/natural gas split system cooling units are located on the roof.

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 materials 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 exterior.

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

4.0 INVESTIGATION PROCEDURES

Results of the investigation are provided below.

4.1 ASBESTOS INVESTIGATION

The demolition level asbestos assessment and sampling conducted at the site on December 16, 2015 was performed by Mr. Erik M. Beloff, a Rhode Island Department of Health certified Asbestos Inspector (Certificate #AAC-0938). A copy of Mr. Beloff's asbestos inspector certificate is attached as **Appendix B**.

4.1.1 Asbestos Sampling

The ACM sampling was conducted throughout the interior and exterior of the building scheduled to be impacted by the proposed demolition work. Accessible interior and exterior building components were surveyed and homogeneous areas of suspect ACMs were visually identified and documented. Procedures for locating and identifying 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* (R23-24.5-ASB). 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

[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.

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, 71 bulk samples were collected from 32 areas of suspect ACM. A summary of suspect ACM samples collected during the survey is presented in **Table 1**.

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 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 Rhode Island Department of Health (Lab ID No. AAL-093) 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 confirmed the presence of asbestos-containing materials, consisting of the following:

- ***Roof, perimeter flashing tar, black***
- ***12" floor tile, beige with gray speckles and black mastic***
- ***Interior, booking room, sink insulation, white***

A summary of the classification, condition and approximate quantity of identified ACM are presented in **Table 2**. The Laboratory analytical reports are included as **Appendix C**.

4.2 LEAD PAINT INSPECTION

The lead paint inspection was performed by Mr. John Labao, a Rhode Island certified lead inspector (#ELI-0019).

4.2.1 Lead-Containing Paint Survey

An Occupational Health and Safety Administration (OSHA) lead paint survey was performed to evaluate the presence of lead on interior and exterior painted surfaces. 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 intent of the lead paint survey was to identify building surfaces coated with lead based paint, utilizing X-ray fluorescence (XRF) testing technology. The information collected, as a result of the testing, can be used to evaluate OSHA compliance relative to worker exposure and proper disposal of renovation or demolition debris.

The test results were compared to USEPA guidance for lead-based paint. According to USEPA, lead-based paint is defined as paint having a lead content of equal to or greater than 1.0 milligram per square centimeter (mg/cm^2). A copy of the Lead Paint Inspection Report for the building is attached as **Appendix D**.

A total of 44 painted coverings and materials were screened for the presence of lead paint utilizing the XRF. None of the screenings identified the presence of lead paint as defined by OSHA and USEPA guidance.

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 were present 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, twelve samples were collected and submitted for PCB analysis.

ESS Laboratory (ESS), located at 185 Frances Avenue in Cranston, Rhode Island, 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 caulk and roofing material samples were all reported below the method reporting limit (RL) except for one sample. PCBs were detected above the method reporting limit in interior caulk sample. Aroclor 1242 was detected in sample PCB-04 at 0.868 mg/kg, slightly above the reporting limit of 0.552 mg/kg. The detection was far 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**.

Other than the suspected caulking and roof tar materials sampled for PCB analysis, GZA conducted a visual survey of Universal Wastes (UW), potential polychlorinated biphenyl (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 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 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 that 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 materials non-friable 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 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.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) and general industry (29 CFR 1910.1001) regulates 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 ($\mu g/m^3$) averaged over an eight-hour period without adequate protection. The OSHA Standard also establishes an action level of 30 $\mu g/m^3$ 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 (TSCA) and the implementing regulations found at 40 CFR 761 require that caulks/sealants/glazing containing concentrations of PCBs of 50 parts per million (ppm) or greater must be disposed of as PCB bulk product waste at a permitted landfill or by a completing a risk-based disposal process. Materials contaminated by PCBs associated with bulk product waste are classified as PCB remediation waste, which is regulated under 40 CFR 761.61 of TSCA. 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. The disposal of materials containing PCB concentrations less than 50 ppm is not regulated under TSCA and such materials should be disposed of in accordance with applicable State and local regulations.

Certain materials with 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. Materials containing PCBs at concentrations less than 1 ppm, regardless of the origin of the PCBs, are not regulated under TSCA. Any waste materials containing PCBs at any concentration have 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 ACM and certain universal wastes at the Site building as detailed above and in Tables 2, 3 and 4. Based on these results, the following recommendations are made:

- Due to the presence of ACM and UWs identified within the Site building, GZA recommends that an RIDOH required asbestos abatement plan and project-specific abatement bid specifications be developed for use in obtaining regulatory approval for abatement, contractor pricing and developing construction sequencing;
- Prior to conducting demolition activities impacting confirmed or assumed ACM, retain a State-licensed asbestos abatement contractor to remove ACMs;

- Prior to conducting demolition activities impacting confirmed or assumed hazardous materials, retain a qualified contractor to remove hazardous materials;
- Notify contractors of the potential asbestos and UW hazards per OSHA's Hazard Communication rule (29 CFR 1910.1200); 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
PORTSMOUTH POLICE STATION
2270 East Main Road
Portsmouth, Rhode Island

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	ANALYTICAL RESULTS
001	12" tile, beige with tan speckles	Property closet, floor	**5% Chrysotile**
002	Mastic, black	Property closet, floor	**<1% Chrysotile**
003	12" tile, beige with tan speckles	Holding room, floor	**NA/PS**
004	Mastic, black	Holding room, floor	**<1% Chrysotile**
005	4" cove base, brown	Property closet, wall	NAD
006	Mastic, brown	Property closet, wall	NAD
007	4" cove base, brown	Property closet, wall	NAD
008	Mastic, brown	Property closet, wall	NAD
009	Pipe wrap paper, tan with silver backing	Mechanical room, straight runs	NAD
010	Pipe wrap paper, tan with silver backing	Mechanical room, straight runs	NAD
011	Pipe wrap paper, tan with silver backing	Mechanical room, straight runs	NAD
012	Insulation packing, white	Mechanical room, elbows	NAD
013	Insulation packing, white	Mechanical room, elbows	NAD
014	Insulation packing, white	Mechanical room, elbows	NAD
015	Expansion joint compound, black	Mechanical room, floor	NAD
016	Expansion joint compound, black	Mechanical room, floor	NAD
017	6" cove base, brown	Hallway, wall	NAD
018	Mastic, crème	Hallway, wall	NAD
019	6" cove base, brown	Hallway, wall	NAD
020	Mastic, crème	Hallway, wall	NAD
021	Building caulk, gray	Detention room, floor/wall	NAD
022	Building caulk, gray	Detention room, floor/wall	NAD
023	2'x4' tile, white, medium indent, small pin hole	Hallway, ceiling	NAD
024	2'x4' tile, white, medium indent, small pin hole	Hallway, ceiling	NAD
025	2'x4' tile, white, large indent, small pin hole	Detention room, ceiling	NAD
026	2'x4' tile, white, large indent, small pin hole	Detention room, ceiling	NAD
027	Sink insulation/undercoating, white	Booking room	**10% Chrysotile**
028	Sink insulation/undercoating, white	Booking room	**NA/PS**
029	Building caulk, white	Sallyport, floor, between concrete and CMU	NAD
030	Building caulk, white	Sallyport, floor, between concrete and CMU	NAD
031	Building caulk, dark gray	Sallyport, wall, between brick and CMU	NAD
032	Building caulk, dark gray	Sallyport, wall, between brick and CMU	NAD
033	Pipe wrap paper, tan with silver backing	Conference room, above ceiling	NAD
034	Pipe wrap paper, tan with silver backing	Conference room, above ceiling	NAD
035	Pipe wrap paper, tan with silver backing	Conference room, above ceiling	NAD
036	Caulk, gray	Conference room, between window frame and brick	NAD
037	Caulk, gray	Conference room, between window frame and brick	NAD
038	12" tile, beige with gray speckles	Women's locker room, floor	NAD
039	12" tile, beige with gray speckles	Women's locker room, floor	NAD
040	Residual mastic, black	Women's locker room, floor, beneath 038	NAD
041	Residual mastic, black	Women's locker room, floor, beneath 039	NAD
042	12" tile, beige/tan mottled	Detective's room, floor	NAD

TABLE 1
SUSPECT ACM SAMPLE INVENTORY
PORTSMOUTH POLICE STATION
2270 East Main Road
Portsmouth, Rhode Island

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	ANALYTICAL RESULTS
043	12" tile, beige/tan mottled	Detective's room, floor	NAD
044	2'x4' tile, white, large indent	Men's locker room, ceiling	NAD
045	2'x4' tile, white, large indent	Men's locker room, ceiling	NAD
046	2'x4' tile, medium indent, gray backing	Men's locker room, ceiling, shower area	NAD
047	2'x4' tile, medium indent, gray backing	Men's locker room, ceiling, shower area	NAD
048	Residual mastic, gray/black	Dispatch room, floor, beneath black mats	NAD
049	Residual mastic, gray/black	Dispatch room, floor, beneath black mats	NAD
050	Building caulk, light brown	Exterior, E-side, expansion joints between brick	NAD
051	Building caulk, light brown	Exterior, E-side, expansion joints between brick	NAD
052	Caulk, black	Exterior, S-side, between window frame and brick	NAD
053	Caulk, black	Exterior, S-side, between window frame and brick	NAD
054	Caulk, dark gray	Exterior, W-side, between CMU and brick	NAD
055	Caulk, dark gray	Exterior, W-side, between CMU and brick	NAD
056	Asphalt shingle, black	Shed, roof	NAD
057	Asphalt shingle, black	Shed, roof	NAD
058	Synthetic fabric, black	Roof, NW-side, beneath stone	NAD
059	Synthetic fabric, black	Roof, SE-side, beneath stone	NAD
060	Caulk, gray	Roof, S-vents	NAD
061	Caulk, gray	Roof, S-vents	NAD
062	Flashing tar, black	Roof, perimeter	NAD
063	Flashing tar, black	Roof, perimeter	NAD
064	Tar, black	Roof, 4" vent pipe	NAD
065	Tar, black	Roof, 4" vent pipe	NAD
066	Caulk, gray	Roof, new addition enpansion joint	NAD
067	Caulk, gray	Roof, new addition enpansion joint	NAD
068	Waterproofing, black	Roof, underneath perimeter flashing	**20% Chrysotile**
069	Waterproofing, black	Roof, underneath perimeter flashing	**NA/PS**
070	Cementicious panels, white/gray	Exterior, E-side, underneath overhangs	NAD
071	Cementicious panels, white/gray	Exterior, E-side, underneath overhangs	NAD

NOTES:
NAD - No Asbestos Detected
NA/PS - Sample Not Analyzed Due To Positive Stop

TABLE 2
CONFIRMED ASBESTOS-CONTAINING MATERIAL RESULTS
PORTSMOUTH POLICE STATION
2270 East Main Road
Portsmouth, Rhode Island

MATERIAL DESCRIPTION	MATERIAL LOCATION	PERCENT/TYPE ASBESTOS	USEPA CATEGORY	CONDITION	ESTIMATED QUANTITY
Flashing compound, black	Exterior, roof, underneath perimeter flashing	20% Chrysotile	Cat. I Nonfriable	Slightly damaged	305 LF
Sink insulation/undercoating, white	Interior, booking room	10% Chrysotile	Cat. I Nonfriable	Good	4 SF
12"x12" floor, tile, beige w/ tan speckles and black mastic	Interior, various hallways and rooms	5% Chrysotile	Cat. I Nonfriable	Good	1,915 SF

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 building. 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
PORTSMOUTH POLICE STATION
2270 East Main Road
Portsmouth, Rhode Island

SAMPLE NUMBER	MATERIAL DESCRIPTION	MATERIAL LOCATION	CONCENTRATION (mg/kg) - TYPE PCB
PCB-01	Caulk, gray	Detention room, floor, between concrete and CMU	BRL
PCB-02	Caulk, white	Sallyport, floor, between brick and CMU	BRL
PCB-03	Caulk, dark gray	Sallyport, wall, between brick and CMU	BRL
PCB-04	Caulk, gray	Conference room, between windows and brick	Arolclor 1242 - 0.868
PCB-05	Caulk, light brown	Exterior, E-side, building joint	BRL
PCB-06	Caulk, black/dark gray	Exterior, S- side, between windows and brick	BRL
PCB-07	Caulk, white, flexible	Exterior, A/C condensor, SW-corner	BRL
PCB-08	Caulk, dark gray	Exterior, W-side, between brick and CMU	BRL
PCB-09	Caulk, gray	Roof, S-vents	BRL
PCB-10	Tar, black	Roof, perimeter plashing	BRL
PCB-11	Tar, black	Roof, 4" vent pipes	BRL
PCB-12	Caulk, gray	Roof, new addition, expansion joints	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
PORTSMOUTH POLICE STATION
2270 East Main Road
Portsmouth, Rhode Island

MATERIAL DESCRIPTION	HAZARD	ESTIMATED QUANTITY		NOTES
Interior				
Fluorescent light bulb	Mercury	290	Units	
Fluorescent light ballast	PCBs/DEHP	114	Units	
Emergency/exit light battery	Lead acid batteries	12	Units	
Mercury Thermostats/Switches	Mercury	6	Units	
Hydraulic door closers	Oils	7	Unit	
Fire extinguisher	N/A	7	Unit	
Halogen bulb	Mercury/Iodine/Bromine	7	Units	
Smoke detector	NA	20	Unit	
Refridegerator	CFCs	3	Units	
Water heater	Mercury	1	Unit	
Heating element, Modine	Mercury	1	Unit	Sallyport
Garage door motor	Oils	1	Unit	
Natural gas burners	Flammable	1	Unit	
Eletrical control cabinet (switches & capacitors)	Mercury/Oils, PCBs	4	Units	
Olympain generator	Flammable	1	Unit	
Air conditioning unit - wall mounted	CFCs	1	Unit	Interior
Air conditioning unit	Ozone depleting agents/Oils/PCBS	3	Units	Exterior
Microwave	Lead, mercury	1	Unit	
Water cooler	CFC's, Lead	1	Unit	
Battery charger	Lead, acid	2	Units	
Dry cell battery	Lead, acid	1	Unit	
Bleach	Corrosive	1	Unit	1 Gallon
Ammoniated glass cleaner	Corrosive, irratant	2	Units	40 Ounces
Ortho Diazinon granules	Pesticides	1	Unit	3 lbs.
Spray cleaner	Corrosive	2	Units	40 Ounces

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

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

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:

BULK ASBESTOS FIBER ANALYSIS

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

2015-01-01 through 2015-12-31

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Institute of Standards and Technology

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ProScience Analytical Services, Inc.
22 Cummings Park
Woburn, MA 01801-2122
Ms. Aimee Cormier
Phone: 781-935-3212 Fax: 781-932-4857
E-Mail: aimee.cormier@proscience.net
URL: http://www.proscience.net

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200090-0**

NVLAP Code	*Designation / Description*
18/A01	EPA 600/M4-82-020: Interim Method for 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

2015-01-01 through 2015-12-31

Effective dates

For the National Institute of Standards and Technology

State of Rhode Island and Providence Plantations
DEPARTMENT OF HEALTH
HEALTHY ENVIRONMENT TEAM – ASBESTOS PROGRAM

CERTIFICATION

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the General Laws entitled "Health and Safety" as amended, and the Rules and Regulations for Asbestos Control, this Certificate is hereby issued as designated below. This Certificate is subject to all applicable rules, regulations, orders and notices of the Department of Health now or hereafter in effect and to any conditions specified below.

Certificate Holder: PROSCIENCE ANALYTICAL SERVICES INC

Address: 22 CUMMINGS PARK
WOBURN MA 01801

Certification Number: AAL-093

Expiration Date: 02/28/2016

Type of Certification: Analytical Serv-PLM, PCM, TEM

Except as specifically provided otherwise in this Certificate, Certificate Holders shall conduct their program in accordance with statements, procedures and representations contained in their documents, including any enclosures, listed below. The Rhode Island Rules and Regulations for Asbestos Control shall govern unless the statements representations and procedures in the Certificate Holder's application and correspondence are more restrictive than the regulations.

Raquel Barrera

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

State of Rhode Island and Providence Plantations
DEPARTMENT OF HEALTH
HEALTHY ENVIRONMENT TEAM – ASBESTOS PROGRAM

CERTIFICATION

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the General Laws entitled "Health and Safety" as amended, and the Rules and Regulations for Asbestos Control, this Certificate is hereby issued as designated below. This Certificate is subject to all applicable rules, regulations, orders and notices of the Department of Health now or hereafter in effect and to any conditions specified below.

Certificate Holder: ERIK BELOFF
Address: GZA ENVIRONMENTAL INC
530 BROADWAY
PROVIDENCE RI 02909

Certification Number: AAC-0938
Type of Certification: Asbestos Inspector
Expiration Date: 10/31/2016

Except as specifically provided otherwise in this Certificate, Certificate holders shall conduct their program in accordance with statements, procedures and representations contained in the documents, including any enclosures, listed below. The Rhode Island Rules and Regulations for Asbestos Control shall govern unless the statements, representations and procedures in the Certificate Holder's application and correspondence 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

Lab Reports
AEC Laboratories, LLC
814 Broad Street
Weymouth, MA 02189

RE: AEC Sampling - RI (15365)
ESS Laboratory Work Order Number: 1512572

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 1:45 pm, Dec 30, 2015

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 NELAC Standards, A2LA 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: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI

ESS Laboratory Work Order: 1512572

SAMPLE RECEIPT

The following samples were received on December 21, 2015 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1512572-01	PCB-01	Solid	8082A
1512572-02	PCB-02	Solid	8082A
1512572-03	PCB-03	Solid	8082A
1512572-04	PCB-04	Solid	8082A
1512572-05	PCB-05	Solid	8082A
1512572-06	PCB-06	Solid	8082A
1512572-07	PCB-07	Solid	8082A
1512572-08	PCB-08	Solid	8082A
1512572-09	PCB-09	Solid	8082A
1512572-10	PCB-10	Solid	8082A
1512572-11	PCB-11	Solid	8082A
1512572-12	PCB-12	Solid	8082A

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI

ESS Laboratory Work Order: 1512572

PROJECT NARRATIVE

8082A Polychlorinated Biphenyls (PCB)

1512572-03	**Elevated Method Reporting Limits due to sample matrix (EL).**
1512572-10	**Elevated Method Reporting Limits due to sample matrix (EL).**
1512572-11	**Elevated Method Reporting Limits due to sample matrix (EL).**

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

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: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI

ESS Laboratory Work Order: 1512572

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
8015D - 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 / 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
5035 - 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: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-01
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.34
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-01
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1221	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1232	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1242	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1248	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1254	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1260	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1262	ND (0.746)		8082A		1	12/25/15 17:12		CL52212
Aroclor 1268	ND (0.746)		8082A		1	12/25/15 17:12		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*80 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*81 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*65 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-02
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 2.22
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-02
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1221	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1232	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1242	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1248	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1254	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1260	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1262	ND (0.450)		8082A		1	12/28/15 17:08		CL52212
Aroclor 1268	ND (0.450)		8082A		1	12/28/15 17:08		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*47 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*42 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*69 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*64 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-03
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 5.62
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-03
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1221	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1232	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1242	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1248	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1254	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1260	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1262	ND (0.712)		8082A		4	12/29/15 16:46		CL52212
Aroclor 1268	ND (0.712)		8082A		4	12/29/15 16:46		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*51 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*60 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*54 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*80 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-04
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.81
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-04
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1221	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1232	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1242	**0.868** (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1248	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1254	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1260	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1262	ND (0.552)		8082A		1	12/28/15 17:44		CL52212
Aroclor 1268	ND (0.552)		8082A		1	12/28/15 17:44		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*68 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*70 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*83 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*72 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-05
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 2.2
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-05
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1221	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1232	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1242	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1248	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1254	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1260	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1262	ND (0.455)		8082A		1	12/28/15 18:03		CL52212
Aroclor 1268	ND (0.455)		8082A		1	12/28/15 18:03		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*74 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*90 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*80 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-06
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 0.53
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-06
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1221	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1232	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1242	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1248	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1254	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1260	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1262	ND (1.89)		8082A		1	12/28/15 22:29		CL52212
Aroclor 1268	ND (1.89)		8082A		1	12/28/15 22:29		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*43 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*45 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*82 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*70 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-07
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 0.66
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-07
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1221	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1232	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1242	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1248	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1254	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1260	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1262	ND (1.52)		8082A		1	12/28/15 22:49		CL52212
Aroclor 1268	ND (1.52)		8082A		1	12/28/15 22:49		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*50 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*49 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*90 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*82 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-08
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.45
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-08
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1221	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1232	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1242	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1248	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1254	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1260	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1262	ND (0.690)		8082A		1	12/29/15 16:26		CL52212
Aroclor 1268	ND (0.690)		8082A		1	12/29/15 16:26		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*36 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*39 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*35 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*41 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-09
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.27
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-09
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1221	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1232	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1242	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1248	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1254	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1260	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1262	ND (0.787)		8082A		1	12/28/15 23:27		CL52212
Aroclor 1268	ND (0.787)		8082A		1	12/28/15 23:27		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*50 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*53 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*89 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*77 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-10
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.68
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-10
Sample Matrix: Solid
Units: mg/kg wet
Analyst: JXS
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1221	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1232	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1242	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1248	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1254	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1260	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1262	ND (2.98)		8082A		5	12/29/15 21:16		CL52212
Aroclor 1268	ND (2.98)		8082A		5	12/29/15 21:16		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*87 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*94 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*85 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*83 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-11
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.24
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-11
Sample Matrix: Solid
Units: mg/kg wet
Analyst: JXS
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1221	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1232	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1242	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1248	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1254	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1260	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1262	ND (4.03)		8082A		5	12/29/15 21:35		CL52212
Aroclor 1268	ND (4.03)		8082A		5	12/29/15 21:35		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*62 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*67 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*75 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*73 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI
Client Sample ID: PCB-12
Date Sampled: 12/16/15 00:00
Percent Solids: N/A
Initial Volume: 1.76
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1512572
ESS Laboratory Sample ID: 1512572-12
Sample Matrix: Solid
Units: mg/kg wet
Analyst: TJ
Prepared: 12/22/15 18:31

8082A Polychlorinated Biphenyls (PCB)

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aroclor 1016	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1221	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1232	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1242	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1248	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1254	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1260	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1262	ND (0.568)		8082A		1	12/24/15 9:06		CL52212
Aroclor 1268	ND (0.568)		8082A		1	12/24/15 9:06		CL52212

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*55 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*63 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*41 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*57 %*		*30-150*

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI

ESS Laboratory Work Order: 1512572

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CL52212 - 3540										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0268*		mg/kg wet	*0.02500*		*107*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0221*		mg/kg wet	*0.02500*		*88*	*30-150*			
LCS										
Aroclor 1016	0.488	0.0500	mg/kg wet	0.5000		98	40-140			
Aroclor 1260	0.542	0.0500	mg/kg wet	0.5000		108	40-140			
Surrogate: Decachlorobiphenyl	*0.0241*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0273*		mg/kg wet	*0.02500*		*109*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0231*		mg/kg wet	*0.02500*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0235*		mg/kg wet	*0.02500*		*94*	*30-150*			
LCS Dup										
Aroclor 1016	0.502	0.0500	mg/kg wet	0.5000		100	40-140	3	30	
Aroclor 1260	0.558	0.0500	mg/kg wet	0.5000		112	40-140	3	30	
Surrogate: Decachlorobiphenyl	*0.0249*		mg/kg wet	*0.02500*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0274*		mg/kg wet	*0.02500*		*110*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI

ESS Laboratory Work Order: 1512572

Notes and Definitions

U	Analyte included in the analysis, but not detected
EL	Elevated Method Reporting Limits due to sample matrix (EL).
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

CERTIFICATE OF ANALYSIS

Client Name: AEC Laboratories, LLC
Client Project ID: AEC Sampling - RI

ESS Laboratory Work Order: 1512572

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/water/dwp-services/labcert/documents/AllLabs.xls

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

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

Sample and Cooler Receipt Checklist

Client: GZA GeoEnvironmental, Inc.
Client Project ID: _____
Shipped/Delivered Via: ESS Courier

ESS Project ID: 15120572
Date Project Due: 12/29/15
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **2.8**		16. Are ESS labels on correct containers?	Yes | No
Iced With: **Ice**		17. Were samples received intact?	Yes | No
6. Was COC included with samples?	Yes	ESS Sample IDs:	
7. Was COC signed and dated by client?	Yes	Sub Lab:	
8. Does the COC match the sample	Yes	Analysis:	
9. Is COC complete and correct?	Yes	TAT:	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	Other	1	NP
2	Yes	Other	1	NP
3	Yes	Other	1	NP
4	Yes	Other	1	NP
5	Yes	Other	1	NP
6	Yes	Other	1	NP
7	Yes	Other	1	NP
8	Yes	Other	1	NP
9	Yes	Other	1	NP
10	Yes	Other	1	NP
11	Yes	Other	1	NP
12	Yes	Other	1	NP

Completed By: VAS Date/Time: 12/22/15 0835
Reviewed By: _____ Date/Time: 12/22/15 1345

Relinquished by: [signature] 12/21/15 16:26 [signature] 12/21/15 17:10 151257

2.8 ice EB 12/21/15

Relinquished by: [signature] Date/Time: 12-17-15/1200
Received by: Austin Reeve Date/Time: 12-18-15 12:00
Relinquished by: Austin Reeve Date/Time: 12-21-15
Received by: [signature] Date/Time: 12/21/15 10:17

AEC Laboratories, LLC
814 Broad Street
Weymouth, MA 02189
Phone: 781-337-0567
Fax: 781-337-0986
labreports@americanenviron.com

Client Name: GZA Phone: 401-421-4140
Client Address: 530 Broadway Providence RI, 02909
Project: Portsmouth, RI Police Station (16-187)
Proj. Address: 2270 E. Main Rd. Portsmouth, RI State (Required): RI

Page 1 of 1

BULK SAMPLE CHAIN OF CUSTODY

Analysis: ☐ PLM ☐ Positive Stop ☐ Qualitative ☐ Point Count ☐ NOB Prep ☐ TEM Chat ☐ Lead ☒ PCB

Turnaround Time: ☐ RUSH ☐ 24 Hour ☐ 48 Hour ☐ 3 Day ☒ 5 Day

Sampled By: Erik Beloff
Date: 12-16-15
Results to (PM): erik.beloff@gza.com

Verbal Results: Y / N
Cell #:
Name:

AEC Laboratories ID: 15365

Special Instructions:

LAB ID	FIELD ID	LOCATION	SAMPLE DESCRIPTION	Homogen-ous Area	Material Type
01	PCB-01	Detention Room, Floor, between concrete & CMU	Caulk, gray		
02	PCB-02	Sallyport, Floor, between brick & CMU	Caulk, white		
03	PCB-03	Sallyport, Wall, between brick & CMU	Caulk, dark gray		
04	PCB-04	Conference Room, between window & brick	Caulk, ~~brown~~ gray		
05	PCB-05	Exterior, E-side, Building joint	Caulk, Light brown		
06	PCB-06	Exterior, S-side, between window & brick	Caulk, black / dark gray		
07	PCB-07	A/C condenser, Exterior, SW corner, Ground	Caulk, white, flexible		
08	PCB-08	Exterior, W-side, between CMU & brick	Caulk, dark gray		
09	PCB-09	Roof, S-vents	Caulk, gray		
10	PCB-10	Roof, perimeter Flashing	Tar, black		
11	PCB-11	Roof, 4" vent pipe	Tar, black		
12	PCB-12	Roof, New addition, Expansion joint	Caulk, gray		

ProScience Analytical Services, Inc

Erik Beloff
GZA GeoEnvironmental, Inc., RI
530 Broadway
Providence, RI 02909

December 29, 2015

Dear Erik Beloff,

The enclosed analytical results have been obtained by using the EPA/600/R-93/116 method. The "Visual Estimate" quantitative method is generally used for determining the percentage of asbestos and other components of the sample. "The Point Counting" method may also be used upon client request or at the analyst discretion. The Point Count method is usually recommended when the sample contains less than 10% asbestos by Visual estimate. Asbestos content less than 1% is recorded on the report as TR (trace).

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Patricia Weakley, Optical Asbestos Manager

Aimee Cormier, Laboratory Director

Enclosure: Version 2
LAB BATCH ID: B 99138 CLIENT PROJECT ID: 16-187
Client Ref: Portsmouth, RI Police Station
AIHA ID# 102754; CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; ME ID# LA-056; NVLAP Lab Code 200090-0; RI ID # AAL-093; VT ID# AL016876

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
001	Beige	5	0	0	0	0	0	0	0	0	0	0	0	95

Description: 12" Tile, beige with tan speckles
Location: Property closet, floor
Comments: Is asbestos present? Yes. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
002	Black	TR	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mastic, black
Location: Property closet, floor
Comments: Is asbestos present? Yes. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
003		0	0	0	0	0	0	0	0	0	0	0	0	0

Description: 12" Tile, beige with tan speckles
Location: Holding room, floor
Comments: Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
004	Black	TR	0	0	0	0	0	TR	0	TR	0	0	0	100

Description: Mastic, black
Location: Holding room, floor
Comments: Is asbestos present? Yes. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
005	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 4" Cove base, brown
Location: Property closet, wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
006	Brown	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mastic, brown
Location: Property closet, wall
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
007	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 4" Cove base, brown
Location: Property closet, wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
008	Brown	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mastic, brown
Location: Property closet, wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
009	Multi	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Pipe Wrap paper, tan with silver backing
Location: Mechanical room, straight runs
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
010	Multi	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Pipe Wrap paper, tan with silver backing
Location: Mechanical room, straight runs
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
011	Multi	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Pipe Wrap paper, tan with silver backing
Location: Mechanical room, straight runs
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
012	White	0	0	0	0	0	0	0	60	20	0	0	0	20

Description: Insulation packing, white
Location: Mechanical room, elbows
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
013	White	0	0	0	0	0	0	0	60	20	0	0	0	20

Description: Insulation packing, white
Location: Mechanical room, elbows
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
014	White	0	0	0	0	0	0	0	60	20	0	0	0	20

Description: Insulation packing, white
Location: Mechanical room, elbows
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
015	Black	0	0	0	0	0	0	10	0	70	0	0	0	20

Description: Expansion joint compound, black
Location: Mechanical room, floor
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
016	Black	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Expansion joint compound, black
Location: Mechanical room, floor
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
017	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 6" Cove base, brown
Location: Hallway, wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
018	Yellow	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mastic, crème
Location: Hallway, wall
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
019	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 6" Cove base, brown
Location: Hallway, wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
020	Yellow	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Mastic, crème
Location: Hallway, wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
021	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Building caulk, gray
Location: Detention room, floor/wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
022	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Building caulk, gray
Location: Detention room, floor/wall
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
023	Beige	0	0	0	0	0	0	0	30	60	0	0	0	10

Description: 2'x4' Tile, white, medium indent, small pin hole
Location: Hallway, ceiling
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
024	Beige	0	0	0	0	0	0	0	30	60	0	0	0	10

Description: 2'x4' Tile, white, medium indent, small pin hole
Location: Hallway, ceiling
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
025	Beige	0	0	0	0	0	0	0	30	60	0	0	0	10

Description: 2'x4' Tile, white, large indent, small pin hole
Location: Detention room, ceiling
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
026	Beige	0	0	0	0	0	0	0	30	60	0	0	0	10

Description: 2'x4' Tile, white, large indent, small pin hole
Location: Detention room, ceiling
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
027	Pink	10	0	0	0	0	0	TR	0	TR	0	0	0	90

Description: Sink insulation/undercoating, white
Location: Booking room
Comments: Is asbestos present? Yes. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
028		0	0	0	0	0	0	0	0	0	0	0	0	0

Description: Sink insulation/undercoating, white
Location: Booking room
Comments: Analyzed: No

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
029	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Building caulk, white
Location: Sallyport, floor, between concrete and CMU
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
030	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Building caulk, white
Location: Sallyport, floor, between concrete and CMU
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
031		0	0	0	0	0	0	0	0	0	0	0	0	0

Description: Building caulk, dark gray
Location: Sallyport, wall, between brick and CMU
Comments: Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
032		0	0	0	0	0	0	0	0	0	0	0	0	0

Description: Building caulk, dark gray
Location: Sallyport, wall, between brick and CMU
Comments: Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
033	Multi	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Pipe wrap paper, tan with silver backing
Location: Conference room, above ceiling
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
034	Multi	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Pipe wrap paper, tan with silver backing
Location: Conference room, above ceiling
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
035	Multi	0	0	0	0	0	0	20	0	70	0	0	0	10

Description: Pipe wrap paper, tan with silver backing
Location: Conference room, above ceiling
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
036	Dk. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, gray
Location: Conference room, between window frame and brick
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
037	Dk. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, gray
Location: Conference room, between window frame and brick
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
038	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 12" Tile, beige with gray speckles
Location: Women's locker room, floor
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
039	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 12" Tile, beige with gray speckles
Location: Women's locker room, floor
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
040	Black	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Residual mastic, black
Location: Women's locker room, floor, beneath 038
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
041	Black	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Residual mastic, black
Location: Women's locker room, floor, beneath 039
Comments: Is asbestos present? No. Analyzed: Yes

		Asbestos %						Non-Asbestos %						
Sample ID	Color	CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
042	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 12" Tile, beige/tan mottled
Location: Detective's room, floor
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
043	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: 12" Tile, beige/tan mottled
Location: Detective's room, floor
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
044	Tan	0	0	0	0	0	0	0	30	60	0	0	0	10

Description: 2'x4' Tile, white, large indent
Location: Men's locker room, ceiling
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
045	Tan	0	0	0	0	0	0	0	30	60	0	0	0	10

Description: 2'x4' Tile, white, large indent
Location: Men's locker room, ceiling
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
046	Gray	0	0	0	0	0	0	0	80	0	0	0	0	20

Description: 2'x4' Tile, medium indent, gray backing
Location: Men's locker room, ceiling, shower area
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
047	Gray	0	0	0	0	0	0	0	80	0	0	0	0	20

Description: 2'x4' Tile, medium indent, gray backing
Location: Men's locker room, ceiling, shower area
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
048	Multi	0	0	0	0	0	0	TR	0	TR	0	0	0	100

Description: Residual mastic, gray/black
Location: Dispatch room, floor, beneath black mats
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
049	Multi	0	0	0	0	0	0	TR	0	TR	0	0	0	100

Description: Residual mastic, gray/black
Location: Dispatch room, floor, beneath black mats
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
050	Brown	0	0	0	0	0	0	3	0	0	0	0	0	97

Description: Building caulk, light brown
Location: Exterior, E-side, expansion joints between brick
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
051	Brown	0	0	0	0	0	0	3	0	0	0	0	0	97

Description: Building caulk, light brown
Location: Exterior, E-side, expansion joints between brick
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
052	Black	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, black
Location: Exterior, S-side, between window frame and brick
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
053	Black	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, black
Location: Exterior, S-side, between window frame and brick
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
054	Dk. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, dark gray
Location: Exterior, W-side, between CMU and brick
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
055	Dk. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, dark gray
Location: Exterior, W-side, between CMU and brick
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
056	Black	0	0	0	0	0	0	0	0	20	0	0	0	80

Description: Asphalt shingle, black
Location: Shed, roof
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
057	Black	0	0	0	0	0	0	0	0	20	0	0	0	80

Description: Asphalt shingle, black
Location: Shed, roof
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
058	Black	0	0	0	0	0	0	0	0	0	0	90	0	10

Description: Synthetic fabric, black
Location: Roof, NW-side, beneath stone
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
059	Black	0	0	0	0	0	0	0	0	0	0	90	0	10

Description: Synthetic fabric, black
Location: Roof, SE-side, beneath stone
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
060	Dk. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, gray
Location: Roof, S-vents
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: B99138
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
061	Dk. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, gray
Location: Roof, S-vents
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
062	Black	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Flashing tar, black
Location: Roof, perimeter
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
063	Black	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Flashing tar, black
Location: Roof, perimeter
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
064	Black	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Tar, black
Location: Roof, 4" vent pipe
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
065	Black	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Tar, black
Location: Roof, 4" vent pipe
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
066	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, gray
Location: Roof, new addition expansion joint
Comments: Is asbestos present? No. Analyzed: Yes

ProScience Analytical Services, Inc.

Client Name: GZA GeoEnvironmental, Inc., RI
PO #: N/A
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station
Method: EPA/600/R-93/116

Batch: **B99138**
Date Sampled: 12/16/2015
Date Received: 12/18/2015
Date Analyzed: 12/28/2015
Date of Report: 12/29/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
067	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100

Description: Caulk, gray
Location: Roof, new addition expansion joint
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
068	Black	20	0	0	0	0	0	0	0	TR	0	0	0	80

Description: Waterproofing, black
Location: Roof, underneath perimeter flashing
Comments: Is asbestos present? Yes. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
069		0	0	0	0	0	0	0	0	0	0	0	0	0

Description: Waterproofing, black
Location: Roof, underneath perimeter flashing
Comments: Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
070	White	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Cementitious panels, white/gray
Location: Exterior, E-side, underneath overhangs
Comments: Is asbestos present? No. Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
071	White	0	0	0	0	0	0	0	0	TR	0	0	0	100

Description: Cementitious panels, white/gray
Location: Exterior, E-side, underneath overhangs
Comments: Is asbestos present? No. Analyzed: Yes

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite
Non-Asbestos Codes: FBG = Fiberglass MNW = Mineral Wool CEL = Cellulose HAR = Hair SYN = Synthetic OTH = Other NON = Non-Fibrous Minerals

Note: To create a unique lab sample ID, use the Batch # and the Sample ID (example: [Batch #] - [Sample ID]).

* All results are in percentage.

Analyst: Robert West For:

Client Name: GZA GeoEnvironmental, Inc., RI
Client Project #: 16-187
Client Reference: Portsmouth, RI Police Station

Batch: B99138
Date Received: 12/18/2015
Date Due: 12/28/2015
Stop on first pos: Yes or No

Batch: B99138

Sample ID	Description	Analyst	Stereo Scope: SSAPE	Stereo Scope: Color	Stereo Scope: Homogeneity	Stereo Scope: Texture	Stereo Scope: Friable	Optical Properties: Morphology	Optical Properties: Extinction	Optical Properties: Sign of Elongation	Optical Properties: Birefringence	Optical Properties: Pleochroism	RI: Parallel	RI: Perpendicular	Asbestos Percent: Chrysotile	Asbestos Percent: Amosite	Asbestos Percent: Crocidolite	Asbestos Percent: Tremolite	Asbestos Percent: Anthophyllite	Asbestos Percent: Actinolite	Non-Asbestos Percent: Fiberglass	Non-Asbestos Percent: Mineral Wool	Non-Asbestos Percent: Cellulose	Non-Asbestos Percent: Hair	Non-Asbestos Percent: Synthetic	Non-Asbestos Percent: Other	Non-Asbestos Percent: Non-Fibrous
001	12" Tile, beige with tan speckles	KCJ	O	BG	N	H	N	W	II	+	L	N	1555	1546	5												95
002	Mastic, black		O	BK	N	R	N	W	II	+	L	N	1555	1590	TR								W				
																							TK				100
003	12" Tile, beige with tan speckles DNA																										
004	Mastic, black		O	BK	N	R	N	W	II	+	L	N	1555	1596	TK						I		W				
																					TK		TK				10
005	4" Cove base, brown		O	BR	N	R	N																				100
006	Mastic, brown		O	BR	N	R	N																W				
																							TK				100
007	4" Cove base, brown		O	BR	N	R	N																				100
008	Mastic, brown	L	O	BR	N	R	N																W				
																							TK				100

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: B99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent						Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
009	Pipe Wrap paper, tan with silver backing	RW	0	MC	N	F	Y														T		W				
																					20		70				10
010	Pipe Wrap paper, tan with silver backing		0	MC	N	F	Y														T		W				
																					20		70				10
011	Pipe Wrap paper, tan with silver backing		0	MC	N	F	Y														T		W				
																					20		70				10
012	Insulation packing, white		0	WH	N	F	Y														T	I	W				
																						60	20				20
																						50	30				30
																						RW	W				RW
013	Insulation packing, white		0	WH	N	F	Y															I	W				
																						60	20				20
014	Insulation packing, white		0	WH	N	F	Y															I	W				
																						60	20				20
015	Expansion joint compound, black		0	BK	N	R	N														I		W				
																					10		70				20
016	Expansion joint compound, black		0	BK	N	R	N														I		W				
																					20		70				10 pw 12/29
017	6" Cove base, brown		0	BR	N	R	N																				
																											100
018	Mastic, crème		0	Y	N	R	N																W				
																							TK				100

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: B99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent						Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
019	6" Cove base, brown	RJ	0	BR	N	R	N																				
																											100
020	Mastic, crème		0	Y	N	R	N																W				
																							TR				100
021	Building caulk, gray		0	GY	N	R	N																				
																											100
022	Building caulk, gray		0	GY	N	R	N																				
																											100
023	2'x4' Tile, white, medium indent, small pin hole		0	BG	N	F	Y															I	W				
																						30	60				10
024	2'x4' Tile, white, medium indent, small pin hole		0	BG	N	F	Y															I	W				
																						30	60				10
025	2'x4' Tile, white, large indent, small pin hole		0	BG	N	F	Y															I	W				
																						30	60				10
026	2'x4' Tile, white, large indent, small pin hole		0	BG	N	F	Y															I	W				
																						30	60				10
027	Sink insulation/undercoating, white		0	PK	N	R	N	W	II	+	L	N	1.55	1.56	10						I		W				
																					TR		TR				90
028	Sink insulation/undercoating, white DNA																										

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: 99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent						Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
029	Building caulk, white	RW	0	LGY	N	R	N																				100
030	Building caulk, white		0	LGY	N	R	N																				100
031	Building caulk, dark gray DNA																										
032	Building caulk, dark gray DNA																										
033	Pipe wrap paper, tan with silver backing		0	MC	N	F	Y														H 20		W 20				10
034	Pipe wrap paper, tan with silver backing		0	MC	N	F	Y														I 20		W 20				10
035	Pipe wrap paper, tan with silver backing		0	MC	N	F	Y														I 20		W 20				10
036	Caulk, gray		0	DK GY	N	R	N														I 20		W				100 RW
037	Caulk, gray		0	DK GY	N	R	N														I 20						100 RW
038	12" Tile, beige with gray speckles		0	BG	N	H	N																				100

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: B99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent						Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
039	12" Tile, beige with gray speckles	KB	0	BG	N	H	N																				
																											100
040	Residual mastic, black		0	BK	N	R	N																W				
																							TK				100
041	Residual mastic, black		0	BK	N	R	N																W				
																							TK				100
042	12" Tile, beige/tan mottled		0	BG	N	H	N																				
																											100
043	12" Tile, beige/tan mottled		0	BG	N	H	N																				
																											100
044	2'x4' Tile, white, large indent		0	T	N	F	Y															I	W				
																						30	60				10
045	2'x4' Tile, white, large indent		0	T	N	F	Y															I	W				
																						30	60				10
046	2'x4' Tile, medium indent, gray backing		0	GY	N	F	Y															I					
																						80					20
047	2'x4' Tile, medium indent, gray backing		0	GY	N	F	Y															I					
																						80					20
048	Residual mastic, gray/black	L	0	MC	N	R	N														I		W				
																					TK		TK				100

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: B99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent						Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
049	Residual mastic, gray/black	EW	O	M	N	R	N														I		W				
																					TR		TR				100
050	Building caulk, light brown		O	BR	N	R	N														I						
																					3						97
051	Building caulk, light brown		O	BR	N	R	N														I						
																					3						97
052	Caulk, black		O	BK	N	R	N																				
																											100
053	Caulk, black		O	BK	N	R	N																				
																											100
054	Caulk, dark gray		O	DK GY	N	R	N																				
																											100
055	Caulk, dark gray		O	DK GY	N	R	N																				
																											100
056	Asphalt shingle, black		O	BK	N	R	N																W				
																							20				80
057	Asphalt shingle, black		O	BK	N	R	N																W				
																							20				80
058	Synthetic fabric, black		O	BK	N	F	Y																		HB		
																									90		10

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: 99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent							Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
059	Synthetic fabric, black	RCW	O	BK	N	F	Y																		HB		
																									90		10
060	Caulk, gray		O	DK GY	N	R	N																				
																											100
061	Caulk, gray		O	DK GY	N	R	N																				
																											100
062	Flashing tar, black		O	BK	N	R	N																W				
																							TR				100
063	Flashing tar, black		O	BK	N	R	N																W				
																							TR				100
064	Tar, black		O	BK	N	R	N																W				
																							TR				100
065	Tar, black		O	BK	N	R	N																W				
																							TR				100
066	Caulk, gray		O	GY	N	R	N																				
																											100
067	Caulk, gray		O	GY	N	R	N																				
																											100
068	Waterproofing, black	—	O	BK	N	R	N	W	P	+	L	N	1555	1554	20								W				
																							TR				80

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Batch: 99138

Sample ID	Description	Analyst	Stereo Scope					Optical Properties					RI		Asbestos Percent						Non-Asbestos Percent						
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	Parallel	Perpendicular	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
069	Waterproofing, black DNH	KW																					W				
070	Cementitious panels, white/gray		0	WH	N	C	Y																W				
																							TK				10
071	Cementitious panels, white/gray		0	WH	N	C	Y																W				
																							Tr				10

Analyzed By / Date: Robert C Weston 12/28/15

QC By / Date: Patricia Wegrzyn 12/28/15

Fax, Email, Verbal Results By / Date:

# of Samples: 71

H.W.KA 12-28

Comments:

SSAPE = Stereo Scope Asbestos Percentage Estimate Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

ProScience 22 Cummings Park, Woburn, MA 01801 T: 781-935-3212 F: 781-932-4857 general@proscience.net

PLM COC v4.1

PASI Batch # B99138

Proj. Name	Portsmouth, RI Police Station	Proj. #	16-187

Client

Name	GZA	PO #	
Address	530 Broadway Providence, RI 02909		

Contact

Name	Erik Beloff	
Phone Fax	401-421-4140	
Email	erik.beloff@gza.com	

Off-hours work is available but subject to PASI approval and surcharges. TAT in business days.

TAT (X)	
Rush	
Same Day	
Next Day	
2 Days	
3 Days	
4-5 Days	X

Results		
Tel	Fax	Email
		X

Final Report	
Email	Hard Copy
X	

Analysis

PLM Bulk	
Bulk (600 / R-93 / 116)	X
Wipes (EPA 600)	
Point Count (EPA 600)	
Soil (EPA)	
NOB (NY-ELAP)	
Special Instructions	
Stop on First Positive*	X
TEM NOB Negative Bulks	
Point Count <10% Asb.	

*If no selection is made for SFP lab will analyze all samples.

Relinquished By [signature] **Date / Time** 12-17-15/1200

Received By Doreen Townsend **Date / Time** 12-18-15 @ 9:25 AM

Line #	Sample ID	Date Collected	Description	Location
1	001	12/16/2015	12" tile, beige with tan speckles	Property closet, floor
2	002	12/16/2015	Mastic, black	Property closet, floor
3	003	12/16/2015	12" tile, beige with tan speckles	Holding room, floor
4	004	12/16/2015	Mastic, black	Holding room, floor
5	005	12/16/2015	4" cove base, brown	Property closet, wall
6	006	12/16/2015	Mastic, brown	Property closet, wall
7	007	12/16/2015	4" cove base, brown	Property closet, wall
8	008	12/16/2015	Mastic, brown	Property closet, wall
9	009	12/16/2015	Pipe wrap paper, tan with silver backing	Mechanical room, straight runs
10	010	12/16/2015	Pipe wrap paper, tan with silver backing	Mechanical room, straight runs
11	011	12/16/2015	Pipe wrap paper, tan with silver backing	Mechanical room, straight runs
12	012	12/16/2015	Insulation packing, white	Mechanical room, elbows
13	013	12/16/2015	Insulation packing, white	Mechanical room, elbows
14	014	12/16/2015	Insulation packing, white	Mechanical room, elbows
15	015	12/16/2015	Expansion joint compound, black	Mechanical room, floor

 Each layer of multilayered samples will be analyzed and charged individually (per NESHAP/EPA). 70

16	016	12/16/2015	Expansion joint compound, black	Mechanical room, floor
17	017	12/16/2015	6" cove base, brown	Hallway, wall
18	018	12/16/2015	Mastic, crème	Hallway, wall
19	019	12/16/2015	6" cove base, brown	Hallway, wall
20	020	12/16/2015	Mastic, crème	Hallway, wall
21	021	12/16/2015	Building caulk, gray	Detention room, floor/wall
22	022	12/16/2015	Building caulk, gray	Detention room, floor/wall
23	023	12/16/2015	2'x4' tile, white, medium indent, small pin hole	Hallway, ceiling
24	024	12/16/2015	2'x4' tile, white, medium indent, small pin hole	Hallway, ceiling
25	025	12/16/2015	2'x4' tile, white, large indent, small pin hole	Detention room, ceiling
26	026	12/16/2015	2'x4' tile, white, large indent, small pin hole	Detention room, ceiling
27	027	12/16/2015	Sink insulation/undercoating, white	Booking room
28	028	12/16/2015	Sink insulation/undercoating, white	Booking room
29	029	12/16/2015	Building caulk, white	Sallyport, floor, between concrete and CMU
30	030	12/16/2015	Building caulk, white	Sallyport, floor, between concrete and CMU
31	031	12/16/2015	Building caulk, dark gray	Sallyport, wall, between brick and CMU
32	032	12/16/2015	Building caulk, dark gray	Sallyport, wall, between brick and CMU
33	033	12/16/2015	Pipe wrap paper, tan with silver backing	Conference room, above ceiling
34	034	12/16/2015	Pipe wrap paper, tan with silver backing	Conference room, above ceiling
35	035	12/16/2015	Pipe wrap paper, tan with silver backing	Conference room, above ceiling
36	036	12/16/2015	Caulk, gray	Conference room, between window frame and brick
37	037	12/16/2015	Caulk, gray	Conference room, between window frame and brick
38	038	12/16/2015	12" tile, beige with gray speckles	Women's locker room, floor
39	039	12/16/2015	12" tile, beige with gray speckles	Women's locker room, floor

40	040	12/16/2015	Residual mastic, black	Women's locker room, floor, beneath 038
41	041	12/16/2015	Residual mastic, black	Women's locker room, floor, beneath 039
42	042	12/16/2015	12" tile, beige/tan mottled	Detective's room, floor
43	043	12/16/2015	12" tile, beige/tan mottled	Detective's room, floor
44	044	12/16/2015	2'x4' tile, white, large indent	Men's locker room, ceiling
45	045	12/16/2015	2'x4' tile, white, large indent	Men's locker room, ceiling
46	046	12/16/2015	2'x4' tile, medium indent, gray backing	Men's locker room, ceiling, shower area
47	047	12/16/2015	2'x4' tile, medium indent, gray backing	Men's locker room, ceiling, shower area
48	048	12/16/2015	Residual mastic, gray/black	Dispatch room, floor, beneath black mats
49	049	12/16/2015	Residual mastic, gray/black	Dispatch room, floor, beneath black mats
50	050	12/16/2015	Building caulk, light brown	Exterior, E-side, expansion joints between brick
51	051	12/16/2015	Building caulk, light brown	Exterior, E-side, expansion joints between brick
52	052	12/16/2015	Caulk, black	Exterior, S-side, between window frame and brick
53	053	12/16/2015	Caulk, black	Exterior, S-side, between window frame and brick
54	054	12/16/2015	Caulk, dark gray	Exterior, W-side, between CMU and brick
55	055	12/16/2015	Caulk, dark gray	Exterior, W-side, between CMU and brick
56	056	12/16/2015	Asphalt shingle, black	Shed, roof
57	057	12/16/2015	Asphalt shingle, black	Shed, roof
58	058	12/16/2015	Synthetic fabric, black	Roof, NW-side, beneath stone
59	059	12/16/2015	Synthetic fabric, black	Roof, SE-side, beneath stone
60	060	12/16/2015	Caulk, gray	Roof, S-vents
61	061	12/16/2015	Caulk, gray	Roof, S-vents
62	062	12/16/2015	Flashing tar, black	Roof, perimeter
63	063	12/16/2015	Flashing tar, black	Roof, perimeter

64	064	12/16/2015	Tar, black	Roof, 4" vent pipe
65	065	12/16/2015	Tar, black	Roof, 4" vent pipe
66	066	12/16/2015	Caulk, gray	Roof, new addition enpansion joint
67	067	12/16/2015	Caulk, gray	Roof, new addition enpansion joint
68	068	12/16/2015	Waterproofing, black	Roof, underneath perimeter flashing
69	069	12/16/2015	Waterproofing, black	Roof, underneath perimeter flashing
70	070	12/16/2015	Cementicious panels, white/gray	Exterior, E-side, underneath overhangs
71	071	12/16/2015	Cementicious panels, white/gray	Exterior, E-side, underneath overhangs

APPENDIX D

XRF LEAD-BASED PAINT INSPECTION REPORT

Report of Findings

Environmental

Lead Paint Inspection

Report

Located at:

2270 EAST MAIN ROAD
PORTSMOUTH RHODE ISLAND

Prepared by:

John Labao
Environmental Certified Lead Inspector, ELI-0019

Executive Summary

On December 16, 2014, a Lead Paint Inspection was conducted at 2270 East Main Road, Portsmouth Rhode Island. Inspection was not for health, safety or Hazard exposure to building occupants. The inspection was performed in accordance with guidelines and protocol from Rhode Island Regulations for Lead Poisoning and RI Housing Resource Commission Lead Hazard Mitigation Regulations.

Scope of Work

The site visit included a visual inspection of painted and coated surfaces and XRF. Testing for analysis of lead by Atomic Absorption Spectrophotometry(AAS) was not included in the scope of work.

Testing Methods

The on-site testing was conducted by an Environmental Lead Inspector licensed by Rhode Island Department of Health, in accordance with Rules and Regulations for Lead Poisoning Prevention (R23-24.6PB).

On site testing was performed using a Niton X-Ray Fluorescence (XRF) Analyzer of painted and coated surfaces and recording of the information gathered and collection of paint chip samples of inconclusive readings in accordance with the regulations.

Rhode Island concentrates primarily on the condition of paint to determine whether it is lead-safe or not. Paint that is intact (and not on a friction surface) is considered lead-safe regardless of lead content. Paint that is not intact is considered a hazard unless it can be determined by laboratory analysis(AAS) to be under the lead-free standards of <150ppm. Therefore, the inspection of paint in Rhode Island is primarily an inspection of condition of paint on all surfaces, with representative XRF testing used to estimate the concentration of lead for Informational purposes owners can opt to have paint sampled by a laboratory, but this is often very costly and usually results in the paint being positive in all but the newest of structures due to the low standards for lead-free paint.

A variation of the random sampling protocol as outlined in Rhode Island Lead Regulations
(R23-24.6PB), guidance document was utilized in developing the sampling procedures for this LBP survey. Random sampling of a facility or structure that has similar characteristics such as construction materials, painting history and date of construction is considered an appropriate methodology.

Findings

Subject property is a one story commercial building currently utilized as a Police Station.

Painted and coated surfaces tested negative for lead paint. Refer to attached Testing Log for a listing of surfaces types tested and results.

Limitations

This report has been completed based on visual and physical observations made at the time of the site visit. This report and attachments are an integral part of the Lead Based Paint Survey and opinions should not be formulated without reading the report in its entirety.

Attachments: XRF Survey Log

Submitted by:

John Labao
Environmental Lead Inspector
Rhode Island ELI-0019

2270 East Main Road, Portsmouth
Location: Dispatch

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Metal	0.0	Negative
Door Trim	Metal	0.1	Negative
Column	Metal	0.0	Negative
Trim	Metal	0.0	Negative

2270 East Main Road, Portsmouth
Location: Holding Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Metal	0.0	Negative
Door Trim	Metal	0.0	Negative

2270 East Main Road, Portsmouth
Location: Patrol Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Metal	0.0	Negative
Door Trim	Metal	0.0	Negative

2270 East Main Road, Portsmouth
Location: Cells

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Metal	0.0	Negative
Door Trim	Metal	0.0	Negative

2270 East Main Road, Portsmouth
Location: Booking Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Wood	0.0	Negative
Door Trim	Metal	0.0	Negative
Walls	Drywall	0.0	Negative
Cabinet	Wood	0.0	Negative

2270 East Main Road, Portsmouth
Location: Property Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Wood	0.0	Negative
Door Trim	Metal	0.0	Negative
Walls	Drywall	0.0	Negative
Cabinet	Wood	0.0	Negative

2270 East Main Road, Portsmouth
Location: Conferance Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Wood	0.0	Negative
Door Trim	Metal	0.0	Negative
Walls	Drywall	0.0	Negative
Cabinet	Wood	0.0	Negative

2270 East Main Road, Portsmouth
Location: Locker Room

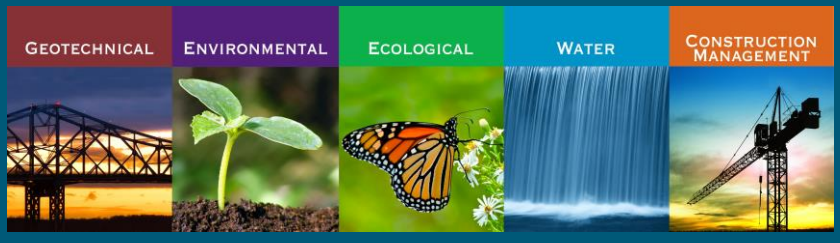
Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Wood	0.0	Negative
Door Trim	Metal	0.0	Negative
Walls	Drywall	0.0	Negative
Lockers	Metal	0.0	Negative

2270 East Main Road, Portsmouth
Location: Storage Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Wood	0.0	Negative
Door Trim	Metal	0.0	Negative
Walls	Drywall	0.0	Negative
Floor	Masonry	0.1	Negative

2270 East Main Road, Portsmouth
Location: Detention Room

Component	Substrate	XRF Reading	Assessment
Walls	Masonry	0.0	Negative
Door	Wood	0.0	Negative
Door Trim	Metal	0.0	Negative
Walls	Drywall	0.0	Negative
Cabinet	Wood	0.0	Negative



GZA GeoEnvironmental, Inc.