



C&S Engineers, Inc.
499 Col. Eileen Collins Blvd
Syracuse, New York 13212



Limited Hazardous Material Pre-Renovation Survey Report

Highland Falls-Fort Montgomery Central School District
High School Phase 3
21 Morgan Road,
Highland Falls, N.Y. 10928

Prepared for:
Mr. Christopher Kirwan-Director of Facilities
Highland Falls-Fort Montgomery CSD
21 Morgan Road,
Highland Falls, N.Y. 10928

September 2024
C&S Project # AH4.001.001



Table of Contents

1.0 Introduction.....	2
2.0 Scope of Services.....	2
3.0 Records Review	2
4.0 Asbestos Survey.....	2
4.1 Asbestos Sampling Methodologies.....	2
4.2 Asbestos Laboratory Methodologies.....	2
4.3 Suspect Asbestos Materials Sampled	3
4.4 Asbestos Bulk Sampling Summary	4
4.5 OSHA Compliance for Asbestos Materials.....	5
4.6 Asbestos-Containing Materials Report Notifications.....	5
4.7 Important Survey Note	5
5.0 Lead-Based Paint Recommendations.....	5
6.0 PCB Caulk Inspection.....	5
6.1 Suspect PCB Caulk Samples Collected.....	6
6.2 PCB Caulk Sampling Summary	6
6.3 PCB Containing Caulk Recommendations	6
7.0 Universal Waste.....	6
7.1 Inventory of Universal Waste	7
7.2 Miscellaneous Hazardous/Special Waste Recommendations.....	7

Appendices

- Appendix A: NYSDOL Company & Personnel Licensure, NYSDOH Lab Certifications
- Appendix B: Asbestos Bulk Sample Reports
- Appendix C: PCB Bulk Sample Report
- Appendix D: Previous Survey Reports

1.0 Introduction

C&S Companies (C&S) was retained by the Highland Falls-Fort Montgomery Central School District (HFFM CSD) to complete a limited hazardous material pre-renovation survey of the High School, located at 21 Morgan Road, Highland Falls, New York. The survey was limited to materials scheduled to be impacted by the upcoming Phase 3 Project as identified on progress drawings prepared by BCA Architects & Engineers.

2.0 Scope of Services

The survey was conducted for the purpose of investigating and/or sampling asbestos-containing materials (ACMs), presumed asbestos-containing materials (PACMs), lead-based paints (LBPs), polychlorinated biphenyls (PCBs) in caulk, and suspect “universal” items that may potentially contain hazardous waste. Sampling was limited to areas of the building that are scheduled for planned renovations as disseminated by the project architect.

3.0 Records Review

The HFFM CSD provided access to the US Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) *2019 Surveillance Report*, Atlantic Testing Laboratories *Limited Hazardous Materials Survey Report*, dated July 2, 2018 and J.C. Broderick & Associates, Inc. prepared a *Summary of Environmental Sampling Report*, dated September 20, 2023, sampling was associated with interior building materials that were impacted by recent water damage. Copies have been included in Appendix D.

4.0 Asbestos Survey

C&S Companies' New York State Department of Labor (NYSDOL) Certified Asbestos Building Inspectors Randy Arnold and Bridget Ruane conducted the survey for suspect ACMs and presumed asbestos-containing materials (PACMs). A total of forty-four (44) samples were collected during this sampling event. The investigation included the collection, identification, assessment, quantification of all identified ACMs and PACMs within the renovation area.

4.1 Asbestos Sampling Methodologies

Suspect building materials were investigated/sampled. Samples of homogenous areas/materials were submitted in a series (A, B, C) for analysis, laboratory results are reported as percent (%) by weight and type of asbestos present. Friable and non-friable bulk samples were analyzed for asbestos content in accordance with the following regulations:

- ◆ National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- ◆ New York State Department of Labor Industrial Code Rule 56 (ICR-56)
- ◆ Occupational and Health Administration (OSHA) Regulation 29 CFR 1910.1001 and 29 CFR 1926.1101.

4.2 Asbestos Laboratory Methodologies

Suspect building material samples were sent to AmeriSci New York, (an accredited and licensed laboratory), analysis was conducted in accordance with New York State Department of Health (NYSDOH) Environmental Laboratory

Program (ELAP) and National Voluntary Laboratory Accreditation Program (NVLAP). Analysis was conducted in accordance with the following methodologies:

- ◆ Polarized Light Microscopy (PLM) and Dispersion Staining Techniques (198.1 methodology)
- ◆ Non-Friable Organically Bound (NOB) (198.6 and 198.4 methodology)

4.3 Suspect Asbestos Materials Sampled

The following table includes sample identification, material description, sample location and laboratory results for the material. ACMs are identified in bold font.

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
WCLK-001A,B	Red Exterior Window Caulk	1 st Floor – Chorus 120 & AD 100	Trace
FT-002A,B	12x12 White Floor Tile	1 st Floor – Chorus 120 & AD 100 under UV	NAD
FTM-003A,B	Yellow Floor Tile Mastic	1 st Floor – Chorus 120 & AD 100 under UV	NAD
REWLK-004A,B	Gray Residual Window Caulk	1 st Floor – Area A Room 107 & 108	NAD
FBF-005A,B	Yellow Foil Backed Fiberglass Pipe Jacket Mastic	1 st Floor – Area B Art Room 160	NAD
LCLK-006A,B	White Louver Caulk	1 st Floor – Exterior Area B Art Room 160	NAD
LCLK-007A,B	Red Louver Caulk	1 st Floor – Exterior Area B Art Room 160	NAD
GRT-008A,B	Red Grout	1 st Floor – Area B Café 170 at Red Brick Face	NAD
WMAS-009A,B	White Mastic/Thin Set	1 st Floor – Area B Café 170	NAD
WPMAS-010A,B	Yellow Panel Mastic	1 st Floor – Area B Café 170	NAD
CWTG-011A,B	White Ceramic Wall Tile Grout	1 st Floor – Area B Café 170	NAD
QTG-012A,B	Gray Quarry Tile Grout	1 st Floor – Area B Kitchen 171 Floor	NAD
MFIT-013A,B,C	Gray Mudded Fittings on Fiberglass	1 st Floor – Area B Kitchen 171	NAD
CWTM-014A,B	White Ceramic Wall Tile Mastic	1 st Floor – Area B Café 170 & Kitchen 171	NAD
QTTH-015A,B	Gray Quarry Tile Thin Set	1 st Floor – Area B Kitchen 171 Floor	NAD

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
FT-016A,B	12x12 Tan Speckled Floor Tile	1 st Floor – Area B Storage Room 170B	NAD
FTM-017A,B	Black Floor Tile Mastic	1 st Floor – Area B Storage Room 170B	4.0% Chrysotile
CG-018A,B	Gray Cooler Seam Gasket	1 st Floor – Area B Kitchen 171 Cooler	NAD
IS-019A,B	Gray Interior Caulk	1 st Floor – Area B Kitchen 171 Cooler	NAD
VD-020A,B	White Vibration Dampener	1 st Floor – Area B Kitchen 171 Mechanical Duct	24.2% Chrysotile
PM-021A,B	Yellow Pin Mastic	1 st Floor – Area B Boiler Room 186 N/E on Duct	NAD
PW-022A,B	Black Pipe Wrap	1 st Floor – Area B ROTC 181 on UV Piping	NAD

Table Notes

NAD = No Asbestos Detected

TRACE = Less Than 1% Asbestos

4.4 Asbestos Bulk Sampling Summary

The following table summarizes ACMS, as identified by laboratory analysis during the pre-renovation survey. Asbestos laboratory reports and chain of custodies are included in Appendix B of this report.

Table 2: Asbestos-Containing Materials

ACM DESCRIPTION	ACM LOCATION	ESTIMATED QUANTITY	MATERIAL CONDITION
Black Floor Tile Mastic	1 st Floor – Area B Storage Room 170B, and Cafeteria	1,600 SF	NF, Intact
White Vibration Dampener	Kitchen 171 Mechanical Duct	2 SF	F. Intact
**Gray Interior Caulk	Various Locations on Columns, at Window Openings, on Walls at Unit Ventilators, on Metal Closure Plates at Floors and Expansion Joints	40 SF	NF, Intact
Pipe/Fitting Insulation (PACM)	Kitchen Area Inside Wall Chases	60 LF	F, Intact
Electrical Components (PACM)	Cafeteria Electrical Panels	20 SF	NF, Intact

Table Notes:

LF= Lineal Feet, SF = Square Feet

F= Friable, NF= Non-Friable

** Previous sample results indicate materials to be asbestos-containing.

4.5 OSHA Compliance for Asbestos Materials

By definition, materials containing trace amounts of asbestos (i.e., less than 1% by weight) are not considered ACM; however, the Occupational Safety and Health Administration (OSHA) recognizes materials with any amounts of asbestos present, even less than 1 percent, as potential exposure concerns to workers involved in construction trades. As such, OSHA regulations consider such work to be an “unclassified” operation and requires these materials to be handled in accordance with the requirements set forth in 29 CFR 1926.1101(g)(1), (g)(2), and (g)(3), that describe engineering and work practices to prevent unnecessary asbestos exposures to employees involved in the work. These requirements are detailed in OSHA’s standard interpretation letter titled “Requirements for demolition operations involving material containing <1% asbestos”, dated August 13, 1999. The following materials sampled during the survey were determined to contain “trace” amounts of asbestos:

- ◆ Red Exterior Window Caulk
- ◆ Mudded Fittings (previously identified)

4.6 Asbestos-Containing Materials Report Notifications

- ◆ One copy of the completed ACM survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for demolition, renovation, remodeling or repair work under applicable State or local laws.
- ◆ The completed asbestos survey shall be kept at the construction site throughout the duration of the demolition, renovation, remodeling or repair work.

4.7 Important Survey Note

Building materials not specifically identified in this report that are identified during the project shall be considered presumed asbestos-containing materials. These materials must be examined by a New York State Department of Labor certified asbestos building inspector and asbestos bulk sample collection and analysis must be performed to prove these presumed suspect materials to be non-asbestos containing. According to state and federal laws, ACMs and PACMs must be handled and disposed of by a licensed NYSDOL asbestos abatement contractor prior to any renovation or demolition-related activities.

5.0 Lead-Based Paint Recommendations

All suspect paint applications shall be presumed LBP in accordance with Occupational Safety & Health Administration (OSHA) 29 CFR Part 1926.62, Lead in Construction Standard. Any contractor disturbing LBP or lead containing materials (LCMs), defined as containing any amount of lead, including less than 0.5% lead by weight shall comply with all requirements of 29 CFR Part 1926.62. The intent is for the Contractor to protect their workers and other building occupants from unnecessary exposures to lead.

6.0 PCB Caulk Inspection

During the pre-renovation survey, C&S personnel, Mr. Randy Arnold and Ms. Bridget Ruane investigated the building for suspect PCB containing caulks and sealants. The investigation included the identification, collection, assessment and quantification of all PCB bulk materials identified to contain PCBs above 50 parts per million (PPM), the current regulatory threshold requiring special handling and disposal by the New York State

Department of Conservation. Samples were submitted to Schneider Laboratories, a NYSDOH accredited and Environmental Laboratory Approval Program (ELAP) participating laboratory for analytical evaluation in accordance with EPA 8082a methodology.

6.1 Suspect PCB Caulk Samples Collected

The following table includes sample identification, material description, sample location and laboratory results

Table 3: PCB Bulk Sampling Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION	PCB CONTENT
WCLK-001P	Red Window Caulk	1 st Floor – Chorus 120	75.9 ppm
REWLK-004P	Gray Residual Window Caulk	1 st Floor – Area A Room 107	607 ppm
LCLK-006P	White Louver Caulk	1 st Floor – Exterior Area B Art Room 160	BRL
LCLK-007P	Red Louver Caulk	1 st Floor – Exterior Area B Art Room 160	2.5 ppm

Table Notes:

ppm = Parts Per Million
BRL = Below Reporting Limit

6.2 PCB Caulk Sampling Summary

By regulatory definition, a PCB-containing bulk material is defined as any building material containing at least 50 parts per million (ppm) PCBs. Two (2) of the bulk samples collected during this pre-renovation survey are considered PCB-containing bulk material, as determined by laboratory analysis, the PCB laboratory report has been included in Appendix C of this report.

6.3 PCB Containing Caulk Recommendations

Building caulks found to contain PCBs with a concentration at or above 50 parts per million (ppm) or presumed to contain PCBs are considered PCB bulk wastes (hazardous) by the New York State Department of Environmental Conservation (NYSDEC) and United States Environmental Protection Agency (USEPA). PCB containing caulk applications require special handling and disposal in strict accordance with state and federal regulations. Caulk applications that have PCBs at concentrations less than 50 ppm are not considered a PCB-containing bulk material; however, certain handling regulations (OSHA worker protection) and disposal regulations shall apply, as only certain landfills accept PCBs at any detectable concentrations.

7.0 Universal Waste

During the pre-renovation survey, C&S building inspectors Randy Arnold and Bridget Ruane performed a visual assessment of the proposed renovation area for suspect items that may potentially be classified as universal waste, such as (fluorescent lamps, thermostats, batteries, cleaning chemicals, etc.). At the conclusion of the visual



assessment, C&S' building inspectors assembled a list of suspect items within the proposed renovation area that would be impacted by renovation activities.

7.1 Inventory of Universal Waste

The following table includes item identification, item location, estimated quantities, presumed hazardous material associated with the item and item condition.

Table 4: Universal Waste Inventory

ITEM IDENTIFICATION	ITEM LOCATION	ESTIMATED QUANTITY	PRESUMED HAZ MATERIAL	ITEM CONDITION
Fluorescent Light Bulbs	Throughout Kitchen & Cafeteria	140	Mercury	Intact
Light Ballasts	Throughout Kitchen & Cafeteria	70	PCBs	Intact
Refrigerant	Kitchen Coolers (3)	NA	Freon	Intact

Table Notes:

NA = Not Assessed due to Inaccessibility

7.2 Miscellaneous Hazardous/Special Waste Recommendations

Additional investigation into the status of these materials may be performed to prove that hazardous materials are not present. However, without conducting this additional investigation / sampling, these materials must be presumed to contain potentially hazardous materials and handled / disposed of in accordance with all applicable state, federal, and local regulations.

This report was produced exclusively for the Highland Falls-Fort Montgomery Central School District. No other party is entitled to distribute or use this report without prior written consent of HFFM CSD or C&S Companies.

Sincerely,

Randy Arnold
Sr. Project Environmental Scientist
C&S Companies

Bridget Ruane
Project Environmental Scientist
C&S Companies

Appendix A:
NYS DOL Company & Personnel Licensure, NYSDOH Lab Certifications

WE ARE YOUR DOL



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

C & S Engineers, Inc.
499 Col. Eileen Collins Blvd., Syracuse, NY, 13212

License Number: 29004
License Class: RESTRICTED
Date of Issue: 12/29/2023
Expiration Date: 01/31/2025

Duly Authorized Representative: Aileen Maguire Meyer

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



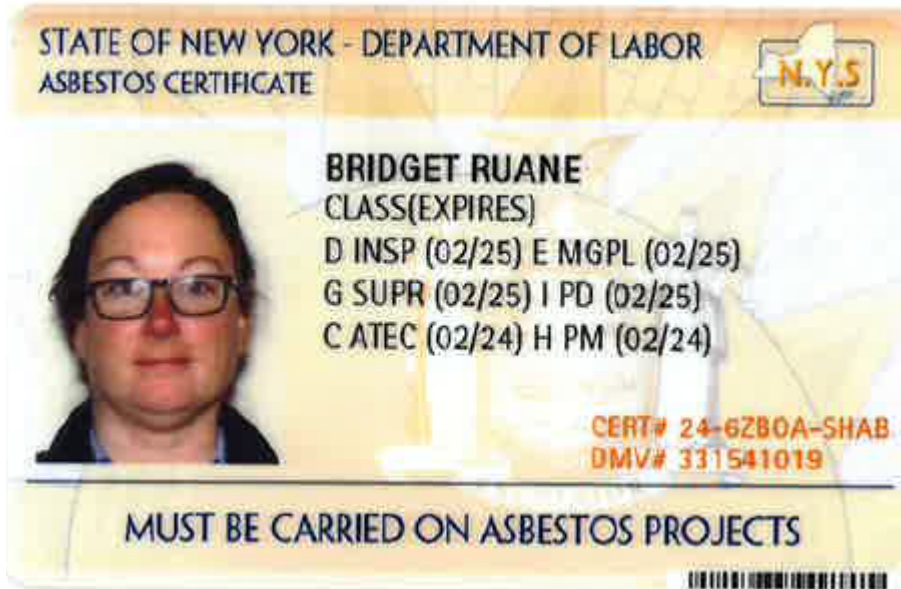
RANDY ARNOLD
CLASS(EXPIRES)
C ATEC (01/25) D INSP (01/25)
H PM (01/25) I PD (01/25)

CERT# 14-02884-0848
DMM# 08778377

MUST BE CARRIED ON ASBESTOS PROJECTS

10/11/01 10:00:00 AM

ASBESTOS CERTIFICATION





Department of Health

KATHY HOCHUL
Governor

JAMES V. McDONALD, M.D., M.P.H.
Commissioner

JOHANNE E. MORNE, M.S.
Executive Deputy Commissioner

LAB ID: 11480

April 01, 2024

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

Certificate Expiration Date:
April 01, 2025

Dear Ms. Lu,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Amy J. Steuerwald, Ph.D.
Director, Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 68795

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos	40 CFR 763 APX A No. III YAMATE, AGARWAL GIBB NIOSH 7402
Fibers	NIOSH 7400 A RULES

Serial No.: 68796

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/etapublicweb/>, by phone (518) 485-5570 or by email to etap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEWYORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Miscellaneous

Asbestos

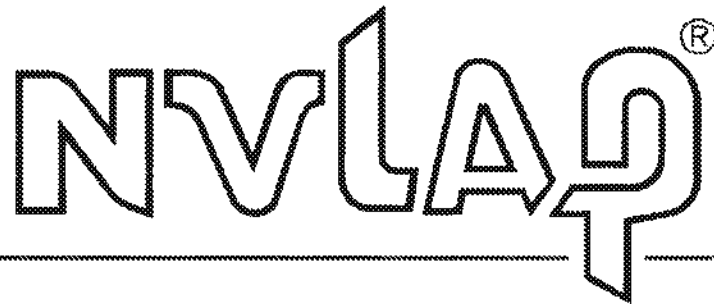
EPA 100.2

Serial No.: 68794

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY

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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2022-09-02 through 2023-06-30

Effective Dates

A handwritten signature in black ink, appearing to read "Steve J. Seaman".

For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Metals I

Lead, Total

EPA 200.9 Rev. 2.2



Serial No.: 68765

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B
ASTM E-1979-17
ME-003-20-002



Serial No.: 68768

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7082
 NIOSH 7300

Metals III

Chromium, Total NIOSH 7300

Miscellaneous

Fibers NIOSH 7400 A RULES

Sample Preparation Methods

ME-006-20-002



Serial No.: 68769

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Amines

Pyridine EPA 8270D

Chlorinated Hydrocarbon Pesticides

alpha-Chlordane EPA 8081B
Chlordane Total EPA 8081B
Endrin EPA 8081B
gamma-Chlordane EPA 8081B
Heptachlor EPA 8081B
Heptachlor epoxide EPA 8081B
Lindane EPA 8081B
Methoxychlor EPA 8081B
Toxaphene EPA 8081B

Chlorinated Hydrocarbons

Hexachlorobenzene EPA 8270D
Hexachlorobutadiene EPA 8270D
Hexachloroethane EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-TP (Silvex) EPA 8151A
2,4-D EPA 8151A

Metals I

Barium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
Cadmium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
Calcium, Total EPA 6010D
Chromium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010D

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals I

Copper, Total	EPA 6010D
Iron, Total	EPA 6010D
Lead, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 7000B EPA 200.9 Rev. 2.2 (1994)
Magnesium, Total	EPA 6010D
Manganese, Total	EPA 6010D
Nickel, Total	EPA 6010D
Potassium, Total	EPA 6010D
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Sodium, Total	EPA 6010D

Metals II

Aluminum, Total	EPA 6010D
Antimony, Total	EPA 6010D
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Beryllium, Total	EPA 6010D
Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A
Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Vanadium, Total	EPA 6010D
Zinc, Total	EPA 6010D



Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
Nitrobenzene	EPA 8270D

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(g,h,i)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Polynuclear Aromatics

Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2-Methylphenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
Pentachlorophenol	EPA 8270D

Volatile Aromatics

1,2,4-Trimethylbenzene	EPA 8260D
1,3,5-Trimethylbenzene	EPA 8260D
1,4-Dichlorobenzene	EPA 8260D
Benzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Volatile Aromatics

n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
Total Xylenes	EPA 8260D

Volatile Halocarbons

1,1-Dichloroethene	EPA 8260D
1,2-Dichloroethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroform	EPA 8260D
Tetrachloroethene	EPA 8260D
Trichloroethene	EPA 8260D
Vinyl chloride	EPA 8260D

Volatiles Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
---------------------------------	-----------

Sample Preparation Methods

EPA 5030C
EPA 3010A
EPA 3005A
EPA 3510C
EPA 3020A

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Characteristic Testing

Corrosivity (pH)	EPA 9040C
	EPA 9045D
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

alpha-Chlordane	EPA 8081B
Chlordane Total	EPA 8081B
Endrin	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachloroethane	EPA 8270D

Metals I

Barium, Total	EPA 6010D
Cadmium, Total	EPA 6010D
Calcium, Total	EPA 6010D
Chromium, Total	EPA 6010D
Copper, Total	EPA 6010D
Iron, Total	EPA 6010D
Lead, Total	EPA 6010D
	EPA 7000B

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Metals I

Magnesium, Total	EPA 6010D
Manganese, Total	EPA 6010D
Nickel, Total	EPA 6010D
Potassium, Total	EPA 6010D
Silver, Total	EPA 6010D
Sodium, Total	EPA 6010D

Metals II

Aluminum, Total	EPA 6010D
Antimony, Total	EPA 6010D
Arsenic, Total	EPA 6010D
Beryllium, Total	EPA 6010D
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010D
Vanadium, Total	EPA 6010D
Zinc, Total	EPA 6010D

Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

Miscellaneous

Boron, Total	EPA 6010D
--------------	-----------

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
--------------------	-----------

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Nitroaromatics and Isophorone

Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(g,h,i)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Phenanthrene	EPA 8270D

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Polynuclear Aromatic Hydrocarbons

Pyrene EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol EPA 8270D

2,4,6-Trichlorophenol EPA 8270D

2-Methylphenol EPA 8270D

3-Methylphenol EPA 8270D

4-Methylphenol EPA 8270D

Pentachlorophenol EPA 8270D

Volatile Aromatics

1,2,4-Trimethylbenzene EPA 8260D

1,3,5-Trimethylbenzene EPA 8260D

1,4-Dichlorobenzene EPA 8260D

Benzene EPA 8260D

Chlorobenzene EPA 8260D

Ethyl benzene EPA 8260D

Isopropylbenzene EPA 8260D

m/p-Xylenes EPA 8260D

Naphthalene, Volatile EPA 8260D

n-Butylbenzene EPA 8260D

n-Propylbenzene EPA 8260D

o-Xylene EPA 8260D

p-Isopropyltoluene (P-Cymene) EPA 8260D

sec-Butylbenzene EPA 8260D

tert-Butylbenzene EPA 8260D

Toluene EPA 8260D

Total Xylenes EPA 8260D

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Volatile Halocarbons

1,1-Dichloroethene	EPA 8260D
1,2-Dichloroethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroform	EPA 8260D
Tetrachloroethene	EPA 8260D
Trichloroethene	EPA 8260D
Vinyl chloride	EPA 8260D

Volatile Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
---------------------------------	-----------

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3010A
EPA 3050B
EPA 3550C
EPA 3540C



Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.





Appendix B:
Asbestos Bulk Sample Reports

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10 Morgan Rd., Fort Montgomery, High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	WCLK-001A	001	0.197	60.8	33.4	5.9	Chrysotile <0.25	NAD
	Location: 1st Floor Area A Chorus 120 Ad100 - Red Window Caulk							
02	WCLK-001B	001	0.248	66.9	30.0	3.2	NAD	NAD
	Location: 1st Floor Area A Chorus 120 Ad100 - Red Window Caulk							
03	FT-002A	002	0.191	15.3	80.0	4.7	NAD	NAD
	Location: 1st Floor Area A Chorus 120 Ad100 - 12" White Floor Tile Under UV							
04	FT-002B	002	0.262	16.2	79.2	4.5	NAD	NAD
	Location: 1st Floor Area A Chorus 120 Ad100 - 12" White Floor Tile Under UV							
05	FTM-003A	003	0.102	43.3	33.8	23.0	NAD	NAD
	Location: 1st Floor Area A Chorus 120 Ad100 - Yellow Floor Tile (Mastic @ Conc.)							
06	FTM-003B	003	0.093	62.2	4.7	33.1	NAD	NAD
	Location: 1st Floor Area A Math 109 - Yellow Floor Tile Mastic							
07	REWCLK-004A	004	0.286	24.0	68.2	7.8	NAD	NAD
	Location: 1st Floor Area A Rm 107/108 - Gray Residual Window Caulk (Under 001)							
08	REWCLK-004B	004	0.243	33.6	59.6	6.8	NAD	NAD
	Location: 1st Floor Area A Rm 107/108 - Gray Residual Window Caulk (Under 001)							
09	FBF-005A	005	0.148	62.1	11.7	26.3	NAD	NAD
	Location: 1st Floor Area B Art 160 - Yellow Mastic @ Foil-Backed FG. Insulation							
10	FBF-005B	005	0.075	66.1	16.5	17.4	NAD	NAD
	Location: 1st Floor Area B Art 160 - Yellow Mastic @ Foil-Backed FG. Insulation							
11	LCLK-006A	006	0.156	41.2	54.4	4.4	NAD	NAD
	Location: Ext. 1st Floor Area B Art 160 - White Louver Caulk							
12	LCLK-006B	006	0.124	40.1	54.1	5.8	NAD	NAD
	Location: Ext. 1st Floor Area B Art 160 - White Louver Caulk							
13	LCLK-007A	007	0.241	63.2	31.8	5.0	NAD	NAD
	Location: Ext. 1st Floor Area B Art 160 - Red Louver Caulk (Over 006)							
14	LCLK-007B	007	0.242	64.4	30.8	4.7	NAD	NAD
	Location: Ext. 1st Floor Area B Art 160 - Red Louver Caulk (Over 006)							
15	GRT-008A	008	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Red Grout @ Red Brick Face							
16	GRT-008B	008	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Red Grout @ Red Brick Face							

See Reporting notes on last page

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10 Morgan Rd., Fort Montgomery, High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	WMAS-009A	009	0.078	24.0	74.1	1.9	NAD	NAD
	Location: 1st Floor Area B - White Mastic / Thinset							
18	WMAS-009B	009	0.141	11.6	86.6	1.8	NAD	NAD
	Location: 1st Floor Area B - White Mastic / Thinset							
19	WPMAS-010A	010	0.070	39.8	46.7	13.5	NAD	NAD
	Location: 1st Floor Area B - Yellow Wainscoat Panel Mastic							
20	WPMAS-010B	010	0.130	32.0	51.8	16.2	NAD	NAD
	Location: 1st Floor Area B - Yellow Wainscoat Panel Mastic							
21	CWTG-011A	011	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - White Ceramic Wall Tile Grout							
22	CWTG-011B	011	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - White Ceramic Wall Tile Grout							
23	QTG-012A	012	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Gray Quarry Tile Grout							
24	QTG-012B	012	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Gray Quarry Tile Grout							
25	MFIT-013A	013	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Gray Mudded Fittings @ FG							
26	MFIT-013B	013	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Gray Mudded Fittings @ FG							
27	MFIT-013C	013	----	----	----	----	NAD	NA
	Location: 1st Floor Area B - Gray Mudded Fittings @ FG							
28	CWTM-014A	014	0.097	66.4	6.9	26.7	NAD	NAD
	Location: Cafe / Kitchen - White Ceramic Wall Tile Mastic							
29	CWTM-014B	014	0.173	65.9	8.2	25.9	NAD	NAD
	Location: Cafe / Kitchen - White Ceramic Wall Tile Mastic							
30	QTTH-015A	015	----	----	----	----	NAD	NA
	Location: Kitchen Floor - Gray Quarry Tile Thin Set							
31	QTTH-015B	015	----	----	----	----	NAD	NA
	Location: Kitchen Floor - Gray Quarry Tile Thin Set							
32	FT-016A	016	0.438	21.3	59.7	19.0	NAD	NAD
	Location: 1st Floor Area B Storage 170B - 12" Tan Speckled Floor Tile							

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10 Morgan Rd., Fort Montgomery, High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	FT-016B	016	0.543	21.7	57.2	21.1	NAD	NAD
Location: 1st Floor Area B Storage 170B - 12" Tan Speckled Floor Tile								
34	FTM-017A	017	0.068	37.5	35.7	22.8	Chrysotile <0.25	Chrysotile 4.0
Location: 1st Floor Area B Storage 170B - Black Floor Tile Mastic @ Concrete								
35	FTM-017B	017	0.141	40.1	34.3	25.6	Chrysotile <0.25	NA/PS
Location: 1st Floor Area B Storage 170B - Black Floor Tile Mastic @ Concrete								
36	CG-018A	018	0.149	74.7	23.6	1.7	NAD	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Cooler Seam Gasket								
37	CG-018B	018	0.107	75.4	23.5	1.1	NAD	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Cooler Seam Gasket								
38	IS-019A	019	0.336	30.5	49.8	19.7	NAD	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Int. Cooler Caulk								
39	IS-019B	019	0.288	32.9	47.2	20.0	NAD	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Int. Cooler Caulk								
40	VD-020A	020	0.082	62.0	1.7	12.1	Chrysotile 24.2	NA
Location: Kitchen Mech Duct - White Vibration Dampener								
41	VD-020B	020	0.060	55.1	4.6	40.2	NA/PS	NA
Location: Kitchen Mech Duct - White Vibration Dampener								
42	PM-021A	021	0.090	95.4	2.8	1.8	NAD	NAD
Location: 1st Floor Area B Boiler Rm 186 NE - Yellow Pin Mastic								
43	PM-021B	021	0.089	97.1	1.2	1.7	NAD	NAD
Location: 1st Floor Area B Boiler Rm 186 NE - Yellow Pin Mastic								
44	PW-022A	022	0.104	93.8	3.8	2.4	NAD	NAD
Location: 1st Floor Area B ROTC 181 - Black Pipe Wrap @ UV @ Floor								
45	PW-022B	022	0.145	92.5	5.5	2.0	NAD	NAD
Location: 1st Floor Area B ROTC 181 - Black Pipe Wrap @ UV @ Floor								

Client Name: C&S Engineers, Inc.

**Table I
Summary of Bulk Asbestos Analysis Results**

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10 Morgan Rd., Fort Montgomery, High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	----------------------	--------------------------	--------------------------	------------------------------------	-------------------------	----------------------

Analyzed by: Hongyan Ran
Date: 4/4/2024



Reviewed by: Hongyan Ran



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).



AmeriSci New York

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

C&S Engineers, Inc.
Attn: Randy Arnold
499 Col. Eileen Collins Blvd.

Syracuse, NY 13212

Date Received 03/29/24 **AmeriSci Job #** 224033509
Date Examined 04/03/24 **P.O. #**
ELAP # 11480 **Page** 1 of 8
RE: AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WCLK-001A 001	224033509-01 Location: 1st Floor Area A Chorus 120 Ad100 - Red Window Caulk	Yes	Trace (<0.25 % pc) ¹ (ELAP 400 PC) by Bo Sun on 04/03/24
Analyst Description: Red/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <0.25 % pc Other Material: Non-fibrous 5.9%			
WCLK-001B 001	224033509-02 Location: 1st Floor Area A Chorus 120 Ad100 - Red Window Caulk	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.2%			
FT-002A 002	224033509-03 Location: 1st Floor Area A Chorus 120 Ad100 - 12" White Floor Tile Under UV	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.7%			
FT-002B 002	224033509-04 Location: 1st Floor Area A Chorus 120 Ad100 - 12" White Floor Tile Under UV	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.5%			
FTM-003A 003	224033509-05 Location: 1st Floor Area A Chorus 120 Ad100 - Yellow Floor Tile (Mastic @ Conc.)	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 23%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FTM-003B 003	224033509-06 Location: 1st Floor Area A Math 109 - Yellow Floor Tile Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 33.1%			
REWCLK-004A 004	224033509-07 Location: 1st Floor Area A Rm 107/108 - Gray Residual Window Caulk (Under 001)	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.8%			
REWCLK-004B 004	224033509-08 Location: 1st Floor Area A Rm 107/108 - Gray Residual Window Caulk (Under 001)	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 6.8%			
FBF-005A 005	224033509-09 Location: 1st Floor Area B Art 160 - Yellow Mastic @ Foil-Backed FG. Insulation	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 26.3%			
FBF-005B 005	224033509-10 Location: 1st Floor Area B Art 160 - Yellow Mastic @ Foil-Backed FG. Insulation	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 17.4%			
LCLK-006A 006	224033509-11 Location: Ext. 1st Floor Area B Art 160 - White Louver Caulk	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.4%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LCLK-006B 006	224033509-12 Location: Ext. 1st Floor Area B Art 160 - White Louver Caulk	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.8%			
LCLK-007A 007	224033509-13 Location: Ext. 1st Floor Area B Art 160 - Red Louver Caulk (Over 006)	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5%			
LCLK-007B 007	224033509-14 Location: Ext. 1st Floor Area B Art 160 - Red Louver Caulk (Over 006)	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.7%			
GRT-008A 008	224033509-15 Location: 1st Floor Area B - Red Grout @ Red Brick Face	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
GRT-008B 008	224033509-16 Location: 1st Floor Area B - Red Grout @ Red Brick Face	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
WMAS-009A 009	224033509-17 Location: 1st Floor Area B - White Mastic / Thinset	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.9%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WMAS-009B 009	224033509-18 Location: 1st Floor Area B - White Mastic / Thinset	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.8%			
WPMAS-010A 010	224033509-19 Location: 1st Floor Area B - Yellow Wainscoat Panel Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 13.5%			
WPMAS-010B 010	224033509-20 Location: 1st Floor Area B - Yellow Wainscoat Panel Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 16.2%			
CWTG-011A 011	224033509-21 Location: 1st Floor Area B - White Ceramic Wall Tile Grout	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
CWTG-011B 011	224033509-22 Location: 1st Floor Area B - White Ceramic Wall Tile Grout	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
QTG-012A 012	224033509-23 Location: 1st Floor Area B - Gray Quarry Tile Grout	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
QTG-012B 012	224033509-24 Location: 1st Floor Area B - Gray Quarry Tile Grout	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			
MFIIT-013A 013	224033509-25 Location: 1st Floor Area B - Gray Mudded Fittings @ FG	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
MFIIT-013B 013	224033509-26 Location: 1st Floor Area B - Gray Mudded Fittings @ FG	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
MFIIT-013C 013	224033509-27 Location: 1st Floor Area B - Gray Mudded Fittings @ FG	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%			
CWTM-014A 014	224033509-28 Location: Cafe / Kitchen - White Ceramic Wall Tile Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 26.7%			
CWTM-014B 014	224033509-29 Location: Cafe / Kitchen - White Ceramic Wall Tile Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 25.9%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
QTTH-015A 015	224033509-30 Location: Kitchen Floor - Gray Quarry Tile Thin Set	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
QTTH-015B 015	224033509-31 Location: Kitchen Floor - Gray Quarry Tile Thin Set	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
FT-016A 016	224033509-32 Location: 1st Floor Area B Storage 170B - 12" Tan Speckled Floor Tile	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 19%			
FT-016B 016	224033509-33 Location: 1st Floor Area B Storage 170B - 12" Tan Speckled Floor Tile	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21.1%			
FTM-017A 017	224033509-34 Location: 1st Floor Area B Storage 170B - Black Floor Tile Mastic @ Concrete	Yes	Trace (<0.25 % pc) ¹ (ELAP 400 PC) by Bo Sun on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 26.8%			
FTM-017B 017	224033509-35 Location: 1st Floor Area B Storage 170B - Black Floor Tile Mastic @ Concrete	Yes	Trace (<0.25 % pc) ¹ (ELAP 400 PC) by Bo Sun on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 25.6%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CG-018A 018	224033509-36	No	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Cooler Seam Gasket			(by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.7%			
CG-018B 018	224033509-37	No	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Cooler Seam Gasket			(by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.1%			
IS-019A 019	224033509-38	No	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Int. Cooler Caulk			(by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 19.7%			
IS-019B 019	224033509-39	No	NAD
Location: 1st Floor Area B Cafe/Kitchen - Cooler - Gray Int. Cooler Caulk			(by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20%			
VD-020A 020	224033509-40	Yes	24.2%
Location: Kitchen Mech Duct - White Vibration Dampener			(by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: White/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 24.2 %			
Other Material: Non-fibrous 12.1%			
VD-020B 020	224033509-41		NA/PS
Location: Kitchen Mech Duct - White Vibration Dampener			
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

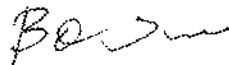
AH4.001.001; Highland Falls-Fort Montgomery CSD; 10
Morgan Rd., Fort Montgomery, High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PM-021A 021	224033509-42 Location: 1st Floor Area B Boiler Rm 186 NE - Yellow Pin Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.8%			
PM-021B 021	224033509-43 Location: 1st Floor Area B Boiler Rm 186 NE - Yellow Pin Mastic	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.7%			
PW-022A 022	224033509-44 Location: 1st Floor Area B ROTC 181 - Black Pipe Wrap @ UV @ Floor	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 2.4%			
PW-022B 022	224033509-45 Location: 1st Floor Area B ROTC 181 - Black Pipe Wrap @ UV @ Floor	No	NAD (by NYS ELAP 198.6) by Bo Sun on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 2%			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Bo Sun
Date: 4/3/2024



Reviewed by: Hongyan Ran



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Motic, Model BA310 Pol Scope, Microscope, Serial #: 1190000538, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.



ASBESTOS BULK SAMPLE CHAIN OF CUSTODY 224033509

Samples Collected By: R. Arnold/B.Ruane	Sample Date: 3/27/24
Relinquished To/Shipped By: Fed-Ex	Sent Date: 3/28/24
Received By Lab: <i>[Signature]</i>	Received Date: 3/29/24 1130
Results e-mailed By: <i>[Signature]</i>	E-mail Date: 3/29/24 10:22 AM

C&S Project Number:	Sample Turn Around Time: 5 day
Client: Highland Falls-Fort Montgomery CSD	E-Mail Results To: Rarnold@cscos.com , bruane@cscos.com
Site Address: 10 MORGAN RD, FORT MONTGOMERY	Verbal Results To:
Site Description: HIGH SCHOOL	Additional Instructions:
Special Instructions: <ul style="list-style-type: none"> Determine Method Of Analysis for PLM - 198.1 or 198.6 If PLM NOB Result Is Equal To Or Greater Than 1% Asbestos - Testing Is Complete If PLM NOB Result Is Less Than 1% Asbestos - Please Analyze Via TEM When Submitted In Series (A, B, C) - Please Stop At First Positive. Report Results As % Asbestos 	

Sample ID	Material LOCATION	Sample Description
WCLK-001AB	1st FUR AREA A Chorus 120 AD100	Red WINDOW CAULK
FT-002AB	↓	12" WHITE FLOOR TILE under wv
FTM-003A	↓	Yellow FLOOR TILE (MASTIC @ CONC.)
FTM-003B	1st FUR AREA A MATH 109	Yellow FLOOR TILE MASTIC
RENCLK-004AB	1st FUR AREA A RM 107/108	GRAY PEANUTTAL WINDOW CAULK (under 001)
RBF-005AB	1st FUR AREA B ART 160	Yellow MASTIC @ FOLL-BAC FG INSULATION
LCLK-006AB	EXT. 1st FUR AREA B ART 160	WHITE FRAM LOUVER CAULK
LCLK-007AB	EXT. 1st FUR AREA B ART 160	Red LOUVER CAULK (OVER 006)
GRT-008AB	1st FUR. AREA B - CAFE 170	Red GROUT @ RED BRICK FACE
WPMAS-009AB	↓	WHITE MASTIC/THIN SET
WPMAS-010AB	↓	Yellow WAINSCOT panel MASTIC
CWTG-11AB	↓	WHITE CERAMIC WALL TILE GROUT
QTTG-12AB	1st FUR AREA B KITCHEN 171	GRAY QUARRY TILE GROUT
MFIT-013ABC	1st FUR AREA B KITCHEN 171	GRAY MUDDIED FITTINGS @ FG
CWTM-014 A,B	Cafe/Kitchen	White Ceramic wall tile mastic
QTTM-015 A,B	Kitchen floor	Gray Quarry tile thin set
FT-016AB	1st FUR AREA B STORAGE 170B	12" TAN SPECKLED FLOOR TILE
FTM-017AB	1st FUR AREA B	BUCK FLOOR TILE MASTIC @ concrete
* CG-018AB	1st FLOOR AREA B CAFE/KITCHEN ^{cooler}	GRAY COOLER SEAT GASKET
* WPMAS-019AB	↓ ↓	GRAY INT. COOLER CAULK



Appendix C:
PCB Bulk Sample Report



Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #: 557841

Matrix Bulk
Received 04/02/24
Reported 04/03/24

Attn:
Project: High School
Location: 10 Morgan Rd Fort Montgomery
Number: AH4.001.001

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
557841-001	WCLK-001P	1st FL Area A Chorus 120					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
Aroclor - 1221		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
Aroclor - 1232		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
Aroclor - 1242		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
Aroclor - 1248		SW846 8082A	75900	9040	µg/kg	04/02/24	AE
Aroclor - 1254		SW846 8082A	<9950	9940	µg/kg	04/02/24	AE
Aroclor - 1260		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
Aroclor - 1262		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
Aroclor - 1268		SW846 8082A	<9040	9040	µg/kg	04/02/24	AE
557841-002	REWCLK-004P	1st FL Area A Rm 107/108					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1221		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1232		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1242		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1248		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1254		SW846 8082A	607000	484000	µg/kg	04/02/24	AE
Aroclor - 1260		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1262		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
Aroclor - 1268		SW846 8082A	<440000	440000	µg/kg	04/02/24	AE
557841-003	LCLK-006P	Ext 1st FL Area B Art 160					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1221		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1232		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1242		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1248		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1254		SW846 8082A	<15600	15500	µg/kg	04/02/24	AE

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #: 557841

Matrix Bulk
Received 04/02/24
Reported 04/03/24

Attn:
Project: High School
Location: 10 Morgan Rd Fort Montgomery
Number: AH4.001.001

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
557841-003	LCLK-006P	Ext 1st FL Area B Art 160					
Aroclor - 1260		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1262		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
Aroclor - 1268		SW846 8082A	<14100	14100	µg/kg	04/02/24	AE
557841-004	LCLK-007P	Ext 1st FL Area B Art 160					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1221		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1232		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1242		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1248		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1254		SW846 8082A	2560	742	µg/kg	04/02/24	AE
Aroclor - 1260		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1262		SW846 8082A	<675	675	µg/kg	04/02/24	AE
Aroclor - 1268		SW846 8082A	<675	675	µg/kg	04/02/24	AE

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #: 557841

Matrix Bulk
Received 04/02/24
Reported 04/03/24

Attn:
Project: High School
Location: 10 Morgan Rd Fort Montgomery
Number: AH4.001.001

PO Number:

Table with 8 columns: Sample ID, Cust. Sample ID, Location, Parameter, Method, Result, RL*, Units, Analysis Date, Analyst

Handwritten signature of Kevin Finnemore

Reviewed By: Kevin Finnemore
Analyst

Surrogate Recoveries

Table listing surrogate recoveries for PCBs with columns for sample ID, method, and result (D or MI).

State Certifications

Table comparing state certifications for New York (ELAP) and Virginia (VELAP) across various Aroclor parameters.

Table with 2 columns: State and Certificate Number, listing New York (ELAP 68767) and Virginia (VELAP 12761).

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

Appendix D:
Previous Survey Reports
Atlantic Testing Limited Hazardous Materials Survey Report, dated July 2, 2018
J.C. Broderick & Associates Bulk Sampling & Analysis of Suspect ACBM Report, July 2023
C&S Limited Hazardous Materials Survey Report (Roof), dated September 27, 2023



ATLANTIC TESTING LABORATORIES

WBE certified company

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845-691-6098 (T)
atlantictesting.com

July 2, 2018

Highland Falls-Fort Montgomery Central School District
PO Box 287
Highland Falls, New York 10928

Re: Limited Hazardous Materials Survey
James I. O'Neill High School
Morgan Farm Road
Highland Falls, New York
ATL Report No. PT5364CE-01-07-18 Revision 1

Ladies/Gentlemen:

Enclosed is a copy of the Limited Hazardous Materials Survey report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (ATL No. PT5998-830X-12-17), dated March 2, 2018, and authorized by Frank Sheboy on March 5, 2018.

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Cameron M. Heller
Project Manager

CMH/CJD/ch

Enclosures

LIMITED HAZARDOUS MATERIALS SURVEY

**JAMES I. O'NEILL HIGH SCHOOL
MORGAN FARM ROAD
HIGHLAND FALLS, NEW YORK**



WBE certified company

PREPARED BY:

**ATLANTIC TESTING LABORATORIES, LIMITED
251 Upper North Road
Highland, New York 12528**

PREPARED FOR:

**Highland Falls-Fort Montgomery Central School District
PO Box 287
Highland Falls, New York 10928**

ATL REPORT NO. PT5364CE-01-07-18 Revision 1

July 2, 2018

TABLE OF CONTENTS

1.0 INTRODUCTION	1
1.1 Purpose	1
1.2 Project Team and Certifications	1
2.0 SCOPE OF WORK	1
2.1 Project Description	1
2.2 Inaccessible Areas	1
2.3 Document Review	2
2.4 Limitations.....	2
3.0 ASBESTOS	2
3.1 Methodology	2
3.2 Regulatory Compliance	3
3.3 Summary of Findings	3
4.0 LEAD-CONTAINING PAINT	3
4.1 Methodology	3
4.2 Regulatory Compliance	4
4.3 Summary of Findings	4
5.0 POLYCHLORINATED BIPHENYLS	4
5.1 Methodology	4
5.2 Regulatory Compliance	5
5.3 Summary of Findings	5
6.0 CONCLUSIONS AND RECOMMENDATIONS	5
6.1 General	5
6.2 Asbestos-Containing Materials.....	5
6.3 Lead-Containing Paint.....	6
6.4 PCB-Containing Materials	6
 <u>APPENDICES</u>	
Licenses and Certifications	A
Sample Location Plans	B
Laboratory Reports and Custody Documentation.....	C
Summary Tables.....	D
Summary of XRF Results and Calibration Checks	E

1.0 INTRODUCTION

1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained by Highland Falls-Fort Montgomery Central School District, to perform a limited hazardous materials survey of designated areas within James O'Neill High School. The limited survey was performed on March 19, 21, and 22, 2018. The purpose of the limited hazardous materials survey was to identify asbestos-containing materials (ACM), lead-containing paint, and polychlorinated biphenyls (PCB)-containing caulk/sealant that are present on exposed surfaces within the subject areas, and may have a significant impact on planned renovation activities. The limited hazardous materials survey procedures and report format that follow are in general compliance with applicable local, state, and federal rules and regulations.

1.2 Project Team and Certifications

Members of the ATL project team included Cameron Heller, Project Manager; and Brian Babcock, Environmental Specialist. Certifications of ATL's field survey team members and a copy of applicable company licenses maintained by ATL are included in Appendix A.

2.0 SCOPE OF WORK

2.1 Project Description

The project site is located at James I. O'Neill High School, Morgan Farm Road, Highland Falls, Orange County, New York.

The intent of the limited hazardous materials survey was to identify suspect ACM, LCM, and PCB-containing caulk/sealant that are located within designated areas of James I. O'Neill High School and may be impacted during a proposed renovation project.

The limited hazardous materials survey was conducted for the subject areas, as directed by John Sokol, representing BCA Architects and Engineers. The subject areas were not occupied or operational at the time of the sampling event.

2.2 Inaccessible Areas

The extent of inaccessible areas is dependent upon the building type, construction materials, history of renovations and repairs, and project scope. Concealed materials may exist in areas that are not readily exposed to view. Although this limited hazardous materials survey was performed to identify ACM, lead-containing paint, and PCB-containing caulk within the subject areas, potential ACM, lead-containing paint, and/or PCB-containing caulk may have escaped detection that could be encountered during future building demolition and/or renovation activities. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect ACM, lead-containing paint, and/or PCB-containing caulk. If any suspect ACM, lead-containing paint, and/or PCB-containing caulk are encountered during demolition and/or renovation activities, the activities disturbing the suspect ACM, lead-containing paint, and/or PCB-containing caulk must stop and the material must be sampled and laboratory analyzed or otherwise managed in accordance with applicable regulations.

2.3 Document Review

No historical hazardous materials survey reports or sampling and analysis data were available for review at the time of the limited hazardous materials survey. Information pertaining to the 2018 Capital Project was provided in a letter from BCA Architects and Engineers, dated November 22, 2017. This information was reviewed during the assessment and development of sampling plan.

2.4 Limitations

This report has been prepared in accordance with the scope of work outlined in ATL's contract (ATL No. PT5998-830X-12-17), dated March 2, 2018, and should not be used as abatement specifications or design documents. The findings, conclusions, and recommendations presented in this report are based on the field observations made by representatives of ATL and the information provided by representatives of Highland Falls-Fort Montgomery Central School District and BCA Architects and Engineers.

Quantities and locations of sampled materials are approximate, and should be verified by the abatement contractor(s) prior to providing actual cost quotations and/or initiating abatement activities. Variations in reported quantities and locations for sampled materials, in addition to the discovery of suspect materials not identified in this report, is possible due to the presence of inaccessible areas, as described in Section 2.2 of this report.

The findings and opinions are relevant to the dates of our site work and should not be relied on to represent conditions at substantially later dates.

3.0 ASBESTOS

3.1 Methodology

A visual examination of the subject areas was conducted by an Asbestos Building Inspector to identify suspect ACM. Functional spaces were identified to assist while locating suspect ACM. A functional space is defined as a spatially distinct area within a building that contains identifiable populations of building occupants. A functional space may include a room, a group of rooms, or other defined area, and several functional spaces may comprise a single homogeneous sampling area. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance. Each identified functional space was visually examined to determine the locations of suspect ACM. These materials were then delineated into homogeneous sampling areas.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect ACM samples were submitted to AmeriSci New York (AmeriSci), located in New York, New York. The samples were laboratory analyzed by polarized light microscopy (PLM) and transmission electron microscopy (TEM) methodologies, as applicable. AmeriSci is a New York State Department of Health (NYSDOH) certified laboratory for PLM and TEM analysis under Environmental Laboratory Approval Program (ELAP) No. 11480. AmeriSci is also accredited by the National Institute of Standards and Technology (NIST), under the National Voluntary Laboratory Accreditation Program (NVLAP).

3.2 Regulatory Compliance

In New York State, there are multiple regulatory agencies that have jurisdiction over ACM in buildings. Asbestos survey requirements are primarily regulated or specified by the New York State Department of Labor (NYSDOL), the New York State Department of Health (NYSDOH), the Occupational Safety and Health Administration (OSHA), and the United States Environmental Protection Agency (EPA).

The NYSDOL established Part 56 of The Official Compilation of Codes, Rules, and Regulations (cited as 12 NYCRR, Part 56) to address the proper identification, handling, removal, and disposal of ACM in buildings. Asbestos survey requirements are specified in Subpart 56-5.1 "Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling and Repair." The NYSDOL also works in conjunction with the NYSDOH to establish and maintain asbestos safety training program requirements, and enforce personnel certifications and licensing protocol for asbestos contractors.

The OSHA defines requirements for asbestos surveys and identification of ACM and presumed asbestos-containing materials (PACM) in 29 CFR 1926.1101 (k) "Communication of Hazards." Under this regulation, OSHA makes reference to conducting inspections according to 1926.1101 (k)(5)(ii)(B) and 1926.1101 (k)(5)(iii) or pursuant to the requirements of the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E "Asbestos-Containing Materials in Schools." The AHERA is regulated by the EPA, and applies to primary and secondary schools only; however, the procedures mandated under AHERA are generally considered the industry standards for surveys, as these are typically the most stringent.

3.3 Summary of Findings

A total of 130 homogeneous areas of suspect ACM were identified during the visual examination, from which 286 bulk samples were collected and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A copy of laboratory reports and sample custody documentation are contained in Appendix C. Table D-I, contained in Appendix D, provides a summary of the identified suspect ACM and associated analytical results.

The EPA, NYSDOL, and other regulatory agencies define ACM as any material containing greater than 1% of asbestos. Materials listed in bold font in Table D-I of Appendix D were determined be ACM.

Materials containing trace asbestos (i.e., less than 1%) are not considered ACM; however, the OSHA recognizes materials that contain trace amounts of asbestos, and requires these materials be handled in accordance with their standard interpretation letter titled "Requirements for demolition operations involving material containing <1% asbestos", dated August 13, 1999. As shown in Table D-I of Appendix D, 2 materials were determined to contain trace amounts of asbestos.

4.0 LEAD-CONTAINING PAINT

4.1 Methodology

A visual examination of the subject building was conducted by a Lead Inspector to identify visible and accessible painted surfaces. The painted surfaces were categorized into homogeneous areas from which tests could be conducted. Each homogeneous area was

tested using a Heuresis Pb200i XRF Analyzer. This equipment provides instantaneous measurements for lead concentration in mg/cm², and displays readings that are positive or negative indications for lead-containing paint. Calibration checks for the XRF equipment were performed in accordance with the manufacturer's recommendations.

4.2 Regulatory Compliance

Although New York State has established Title X, Part 67 of The Official Compilation of Codes, Rules, and Regulations (cited as NYCRR Title X, Part 67) for "Lead Poisoning Prevention and Control," lead-based paint (LBP) inspections and risk assessments are generally subject to the requirements of federal regulations. The United States Department of Housing and Urban Development (HUD), EPA, and OSHA are the primary federal regulatory agencies responsible for the establishment and enforcement of such regulations. On a state level, the NYSDOH does require laboratories to be certified to perform lead analysis under the ELAP.

The HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" include details pertaining to sampling and analysis of suspect LBP, in addition to the identification and control of LBP hazards. The HUD guidelines pertain to federally owned or assisted housing; however, these are commonly referenced and made mandatory by other regulatory agencies. The EPA requirements for LBP activities, specified in 40 CFR Part 745, apply to targeted housing and child-occupied facilities, and are similar to HUD guideline requirements.

The OSHA Construction Standard for Lead (29 CFR 1926.62) applies to employees of an employer who may or will be exposed to occupational levels of lead. OSHA requires employees to maintain, at a minimum, awareness, respiratory protection, and hazard communication training.

4.3 Summary of Findings

A total of 43 locations were tested using the XRF spectrometer. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A summary of the XRF results and calibration checks are provided in Appendix E. The XRF results provided in Table E-I of Appendix E represent painted surfaces that were determined to be LBP, per HUD criteria. Table E-II of Appendix E identifies painted surfaces that contain detectable concentrations of lead, but are not considered LCM, as compared to HUD criteria. Painted surfaces that did not contain lead at a concentration above the method detection limits are summarized in Table E-III of Appendix E. Calibration checks for the XRF spectrometer are provided in Table E-IV of Appendix E.

5.0 POLYCHLORINATED BIPHENYLS

5.1 Methodology

A visual examination of the subject areas was conducted by an Environmental Scientist to identify suspect PCB-containing caulk/sealant. The identified materials were classified into homogeneous sampling areas. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect PCB-containing caulk samples were submitted to Alpha Analytical, located in Mahwah, New Jersey, a

New York State Department of Health (NYSDOH) approved laboratory (ELAP No.11148). The samples were laboratory analyzed for PCB, in accordance with EPA Method 8082.

5.2 Regulatory Compliance

PCB are primarily regulated by the EPA. The EPA has issued several documents and enforces federal mandated laws and regulations governing the usage, management, and disposal of PCB-containing materials. State and local regulatory agencies have also enacted laws and regulations concerning PCB materials, many of which are consistent with the regulations set forth by the EPA. In accordance with the regulations and guidelines presented in 40 CFR Parts 750 and 761 "Disposal of Polychlorinated Biphenyls; Final Rule," PCB wastes are generally regulated for disposal under the Toxic Substances Control Act (TSCA) if the concentrations are 50 ppm or greater. Per New York State Department of Environmental Conservation (NYSDEC) regulations, material containing greater than 50 ppm is regulated hazardous waste.

5.3 Summary of Findings

A total of 8 homogeneous suspect PCB-containing caulk materials were identified during the visual examination, from which 8 bulk samples were collected and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A copy of laboratory reports and associated sample custody documentation are contained in Appendix C. Table D-II, of Appendix D, provides a summary of the identified suspect PCB-containing caulk and associated analytical results.

PCB-containing caulk is regulated under the TSCA as an "unauthorized use," and is considered a regulated hazardous material at concentrations equal to or greater than 50 ppm. None of the samples collected contained greater than 50 ppm total PCB.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are prepared from ATL's understanding that the subject buildings may be subject to renovation projects. Should the management of the building areas change, it is recommended that the findings be revisited to reflect appropriate operations and management practices for hazardous materials containing items.

6.1 General

1. Concealed regulated hazardous materials may exist at the site that could be encountered during future building renovation activities. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect hazardous materials. If any suspect hazardous materials or hazardous materials-containing items are encountered during demolition and/or renovation activities, the activities disturbing the suspect material must stop and the material must be sampled and laboratory analyzed or otherwise managed pursuant to in accordance with applicable regulations.

6.2 Asbestos-Containing Materials

1. The materials listed in bold in Table D-I of Appendix D were determined to be ACM. The referenced table also shows materials that contain trace concentrations of asbestos and are regulated under OSHA.

2. Subpart 56-5(h) of 12 NYCRR Part 56 requires that no demolition, renovation, remodeling, or repair work be commenced by any owner or the owner's agent prior to the completion of asbestos abatement. Asbestos abatement must be performed by an asbestos abatement contractor that maintains a current asbestos handling license, and employs NYSDOL certified asbestos handlers and supervisors. It is recommended that a 12 NYCRR 56 certified Project Monitor oversee abatement activities.
3. Subpart 56-5(g) of 12 NYCRR Part 56 specifies requirements for transmittal of asbestos survey information by the owner or owner's agent. One copy of the asbestos survey report shall be sent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling, or repair work under applicable State or local laws. If controlled demolition or pre-demolition activities will be performed, one copy of the asbestos survey report shall be submitted to the appropriate Asbestos Control Bureau district office. One copy of the asbestos survey report must be kept on the construction site throughout the duration of the asbestos project and any associated demolition, renovation, remodeling, or repair project.

6.3 Lead-Containing Paint

1. The materials listed in Table E-I of Appendix E were determined to be LBP per HUD criteria. Table E-II of Appendix E lists materials that are not considered LBP per HUD criteria, but contain detectable concentrations of lead and are regulated under OSHA.
2. Identified LBP or paint with a detectable concentration of lead should be managed in accordance with applicable EPA and OSHA requirements prior to or during demolition, renovation, remodeling, or repair work.
3. Demolition/renovation contractors are required to conduct exposure monitoring or use historical objective data to ensure that employee exposures do not exceed the action level of $30 \mu\text{g}/\text{m}^3$.

6.4 PCB-Containing Materials

1. None of the caulk materials sampled contained PCB concentrations exceeding 50 ppm, and are therefore not considered hazardous materials/hazardous waste.
2. The EPA considers caulk with a PCB concentration greater than 50 ppm as an "unauthorized use", and requires that these materials be properly removed and disposed of. Materials that contain PCB concentration less than 50 ppm also typically have specific handling, management, and disposal criteria to limit exposure and environmental impacts.

APPENDIX A
LICENSES AND CERTIFICATIONS

Asbestos Certificate Code Classifications

The following letter codes shown on the enclosed asbestos certificates represent the corresponding asbestos classifications:

- | | |
|------------------------------------|--------------------------------------|
| A - Asbestos Handler | F - Operations & Maintenance |
| B - Allied Trades | G - Asbestos Supervisor |
| C - Air Sampling Technician | H - Asbestos Project Monitor |
| D - Building Inspector | I - Asbestos Project Designer |
| E - Management Planner | |

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Atlantic Testing Laboratories, Limited

P.O. Box 29

Canton, NY 13617

FILE NUMBER: 99-0911

LICENSE NUMBER: 29276

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 10/06/2017

EXPIRATION DATE: 10/31/2018

Duly Authorized Representative – Marijean B Remington:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



CAMERON M. HELLER
CLASS(EXPIRES)
C ATEC(08/18) D INSP(08/18)
H PM (08/18)

CERT# 18-11018
DMV# 792097636

MUST BE CARRIED ON ASBESTOS PROJECTS

11/01/07 11:07:10 AM

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



BRIAN J BABCOCK

CLASS(EXPIRES)

C ATEC(09/18) D INSP(09/18)

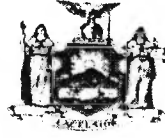
H PM (09/18)

CERT# 03-06892
DMV# 162Q12578

MUST BE CARRIED ON ASBESTOS PROJECTS

11000110 NEW YORK STATE DEPT OF LABOR

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 56034

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
Email: pmucha@amerisci.com
<http://www.amerisci.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200546-0

Bulk Asbestos Analysis

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

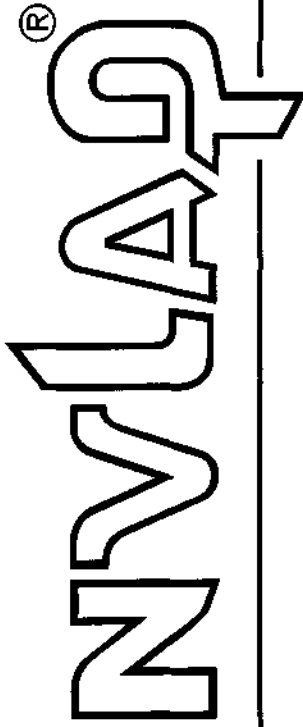
Airborne Asbestos Analysis

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

A handwritten signature in black ink, appearing to read "Paul Mucha", written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY

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

Asbestos Fiber Analysis

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

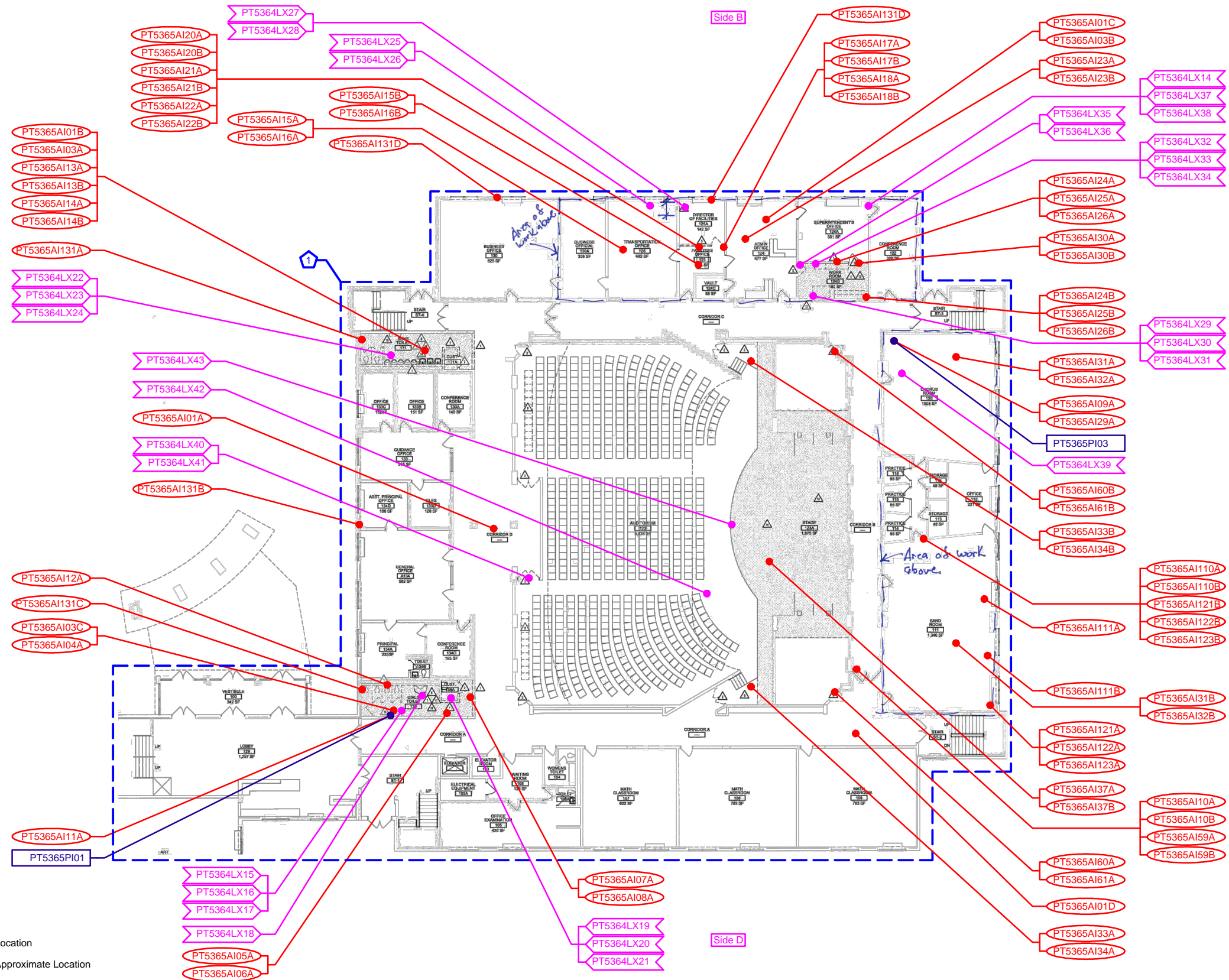
2017-07-01 through 2018-06-30

Effective Dates

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

For the National Voluntary Laboratory Accreditation Program

APPENDIX B
SAMPLE LOCATION PLANS



LEGEND :

- PT5364AI01A Suspect Asbestos Sample ID and Approximate Location
- PT5365PI01 Suspect PCB-Containing Caulk Sample ID and Approximate Location
- PT5364LX01 Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A Side Designation for XRF Sampling

ASBESTOS KEY NOTES :

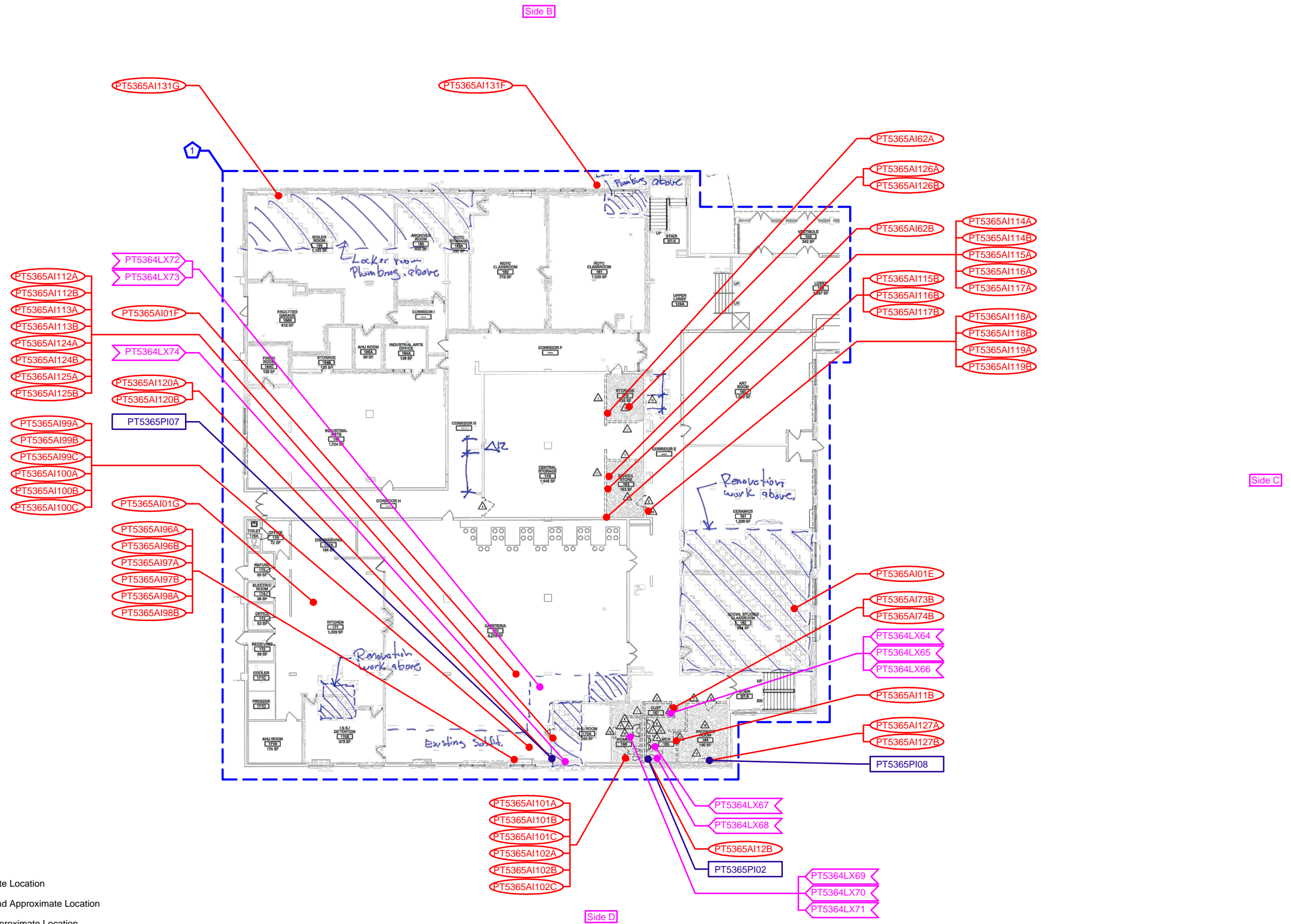
- 1 Gray Expansion Caulk



Partial First Floor Sample Location Plan - North Wing

Scale: NTS

SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 1 of 5	Scale: As Noted	Project No.: PT5364	Date: July 2018
James I. O'Neill High School Morgan Farm Road Highland Falls, New York	ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY <small>WBE Certified Company www.AtlanticTesting.com</small>				



LEGEND :

- PT5364AI01A Suspect Asbestos Sample ID and Approximate Location
- PT5364PI01 Suspect PCB-Containing Caulk Sample ID and Approximate Location
- PT5364LX01 Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A Side Designation for XRF Sampling

ASBESTOS KEY NOTES :

- 1 Gray Expansion Caulk



Partial First Floor Sample Location Plan - South Wing

Scale: NTS

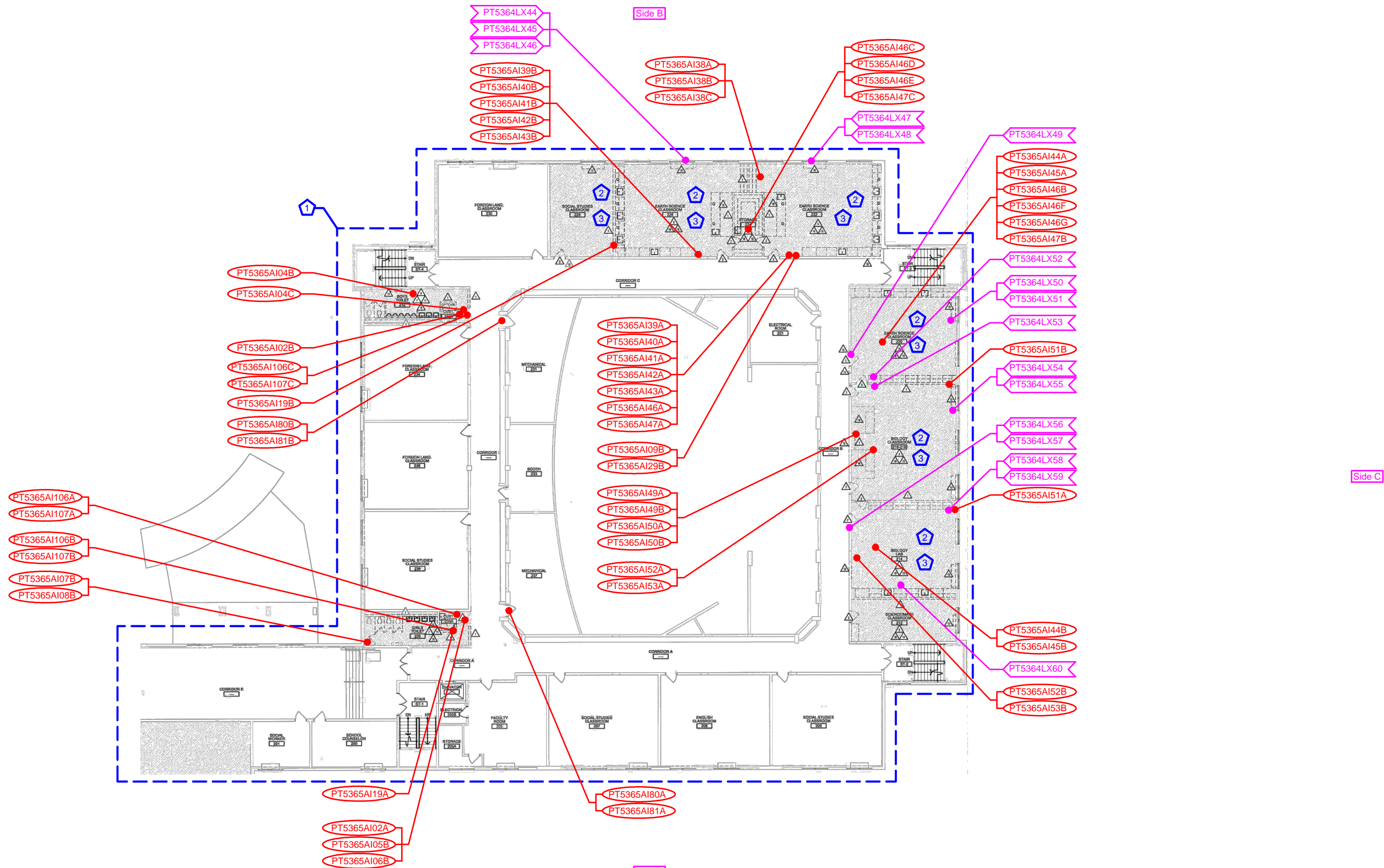
SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 2 of 5	Scale: As Noted	Project No.: PT5364	Date: July 2018
-----------------------------	------------------	--------------------	--------------------	------------------------	--------------------

James I. O'Neill High School
Morgan Farm Road
Highland Falls, New York

ATLANTIC TESTING LABORATORIES, Limited

Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY
Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY

WBE Certified Company www.AtlanticTesting.com



LEGEND :

- PT5364AI01A Suspect Asbestos Sample ID and Approximate Location
- PT5364PI01 Suspect PCB-Containing Caulk Sample ID and Approximate Location
- PT5364LX01 Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A Side Designation for XRF Sampling

ASBESTOS KEY NOTES :

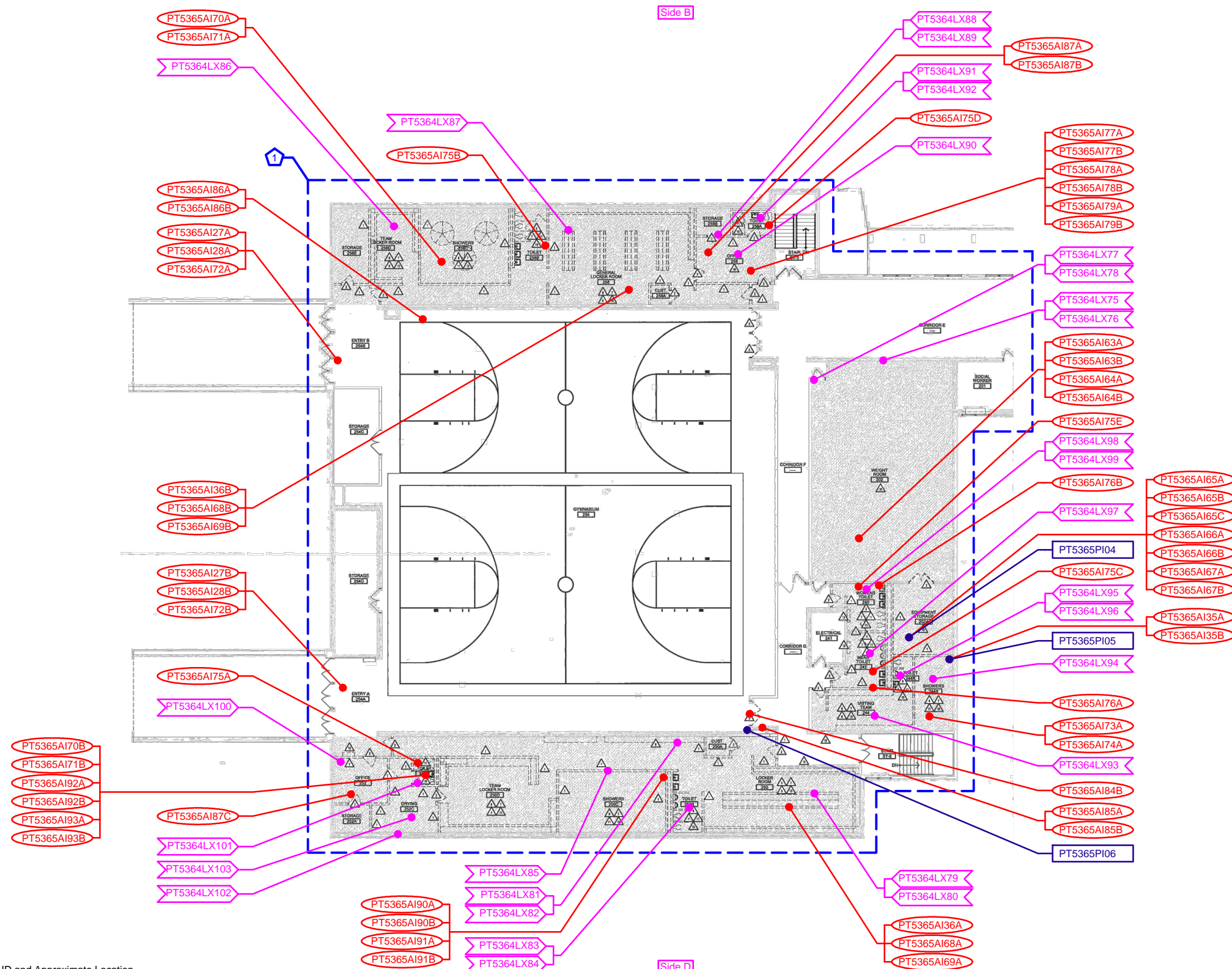
- 1 Gray Expansion Caulk
- 2 Black Lab Tables
- 3 Black Seam Adhesive



Partial Second Floor Sample Location Plan - North Wing

Scale: NTS

SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 3 of 5	Scale: As Noted	Project No.: PT5364	Date: July 2018
James I. O'Neill High School Morgan Farm Road Highland Falls, New York	ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY <small>WBE Certified Company www.AtlanticTesting.com</small>				



LEGEND :

- PT5364AI01A Suspect Asbestos Sample ID and Approximate Location
- PT5364PI01 Suspect PCB-Containing Caulk Sample ID and Approximate Location
- PT5364LX01 Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A Side Designation for XRF Sampling

ASBESTOS KEY NOTES :

- 1 Gray Expansion Caulk



Partial Second Floor Sample Location Plan - South Wing

Scale: NTS

SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 4 of 5	Scale: As Noted	Project No.: PT5364	Date: July 2018
-----------------------------	------------------	--------------------	--------------------	------------------------	--------------------

James I. O'Neill High School
Morgan Farm Road
Highland Falls, New York

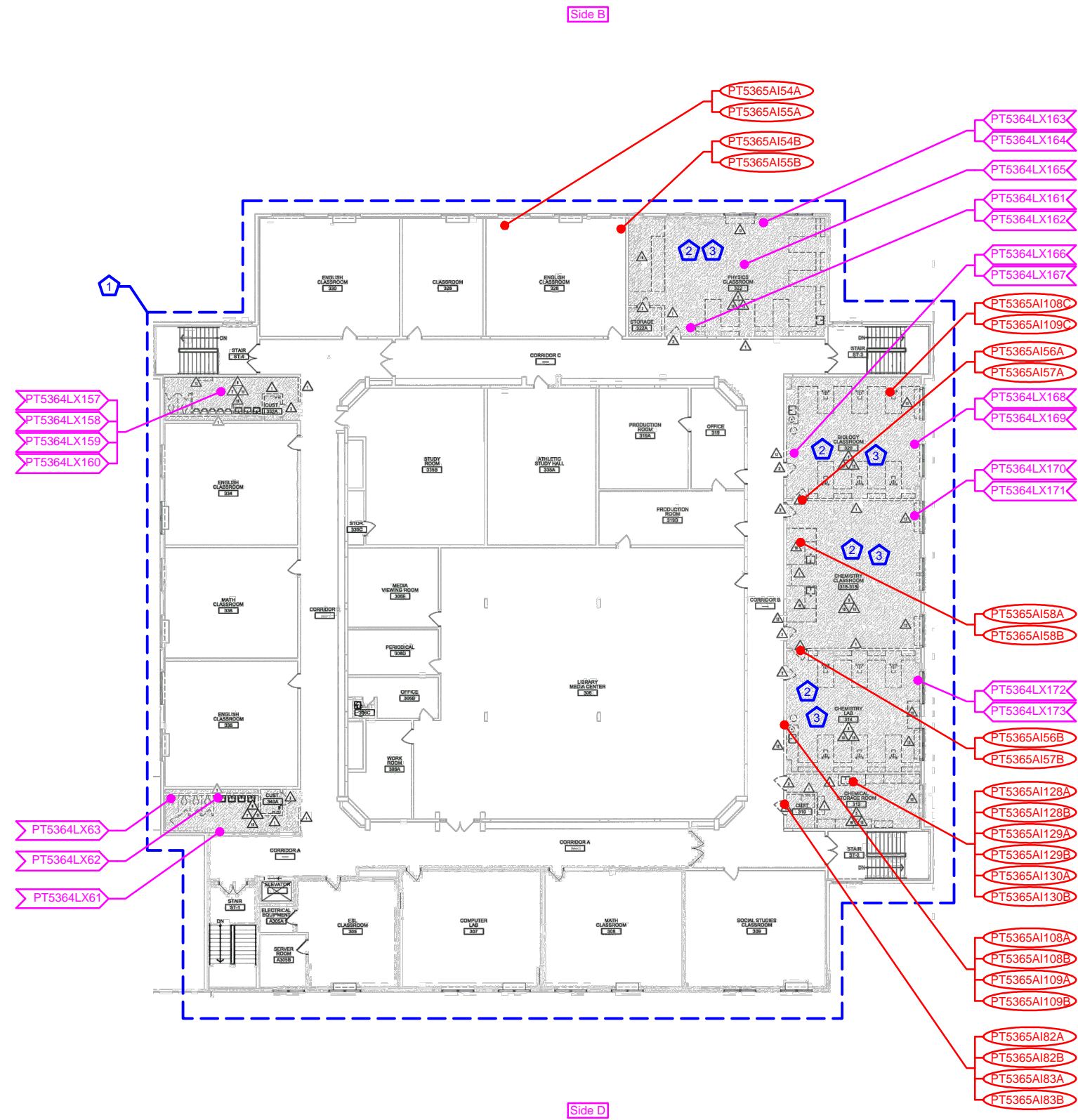


ATLANTIC TESTING LABORATORIES, Limited

Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY
Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY

WBE Certified Company

www.AtlanticTesting.com




LEGEND :

- PT5364AI01A Suspect Asbestos Sample ID and Approximate Location
- PT5364PI01 Suspect PCB-Containing Caulk Sample ID and Approximate Location
- PT5364LX01 Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A Side Designation for XRF Sampling

ASBESTOS KEY NOTES :

- 1 Gray Expansion Caulk
- 2 Black Lab Tables
- 3 Black Seam Adhesive

Third Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN James I. O'Neill High School Morgan Farm Road Highland Falls, New York	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	5 of 5	As Noted	PT5364	July 2018
 ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY <small>WBE Certified Company www.AtlanticTesting.com</small>					

APPENDIX C

LABORATORY REPORTS AND CUSTODY DOCUMENTATION



AmeriSci New York

117 EAST 30TH ST.

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Cameron Heller
P.O. Box 29
Canton, NY 13617

Date Received 03/24/18 **AmeriSci Job #** 218034103
Date Examined 03/28/18 **P.O. #** 19478-19477
ELAP # 11480 **Page** 1 of 30
RE: PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI01A 01	218034103-01 Location: Corridor D - 1st Floor A - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
PT5365AI01B 01	218034103-02 Location: Rm. 131 - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
PT5365AI01C 01	218034103-03 Location: Rm. 124 - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
PT5365AI01D 01	218034103-04 Location: Corridor A - 1st Floor A - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
PT5365AI01E 01	218034103-05 Location: Rm. 162 - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI01F 01	218034103-06 Location: Rm. 170 - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI01G 01	218034103-07 Location: Rm. 171 - White Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI02A 02	218034103-08 Location: Rm. 235 - Black Threshold Stone	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI02B 02	218034103-09 Location: Rm. 232 - Black Threshold Stone	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI03A 03	218034103-10 Location: Rm. 121 - White TSI Paper Jacket	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45 %, Fibrous glass 5 %, Non-fibrous 50 %			
PT5365AI03B 03	218034103-11 Location: Rm. 124 - White TSI Paper Jacket	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 48 %, Fibrous glass 4 %, Non-fibrous 48 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI03C 03	218034103-12 Location: Rm. 135 - White TSI Paper Jacket	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 45 %, Fibrous glass 5 %, Non-fibrous 50 %			
PT5365AI04A 04	218034103-13 Location: Rm. 135 - White TSI End Sealant	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 40 %, Non-fibrous 18.1 %			
PT5365AI04B 04	218034103-14 Location: Rm. 232 - White TSI End Sealant	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 40 %, Non-fibrous 15.8 %			
PT5365AI04C 04	218034103-15 Location: Rm. 232A - White TSI End Sealant	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 40 %, Non-fibrous 15.6 %			
PT5365AI05A 05	218034103-16 Location: Rm. 135 - White CWT Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.2 %			
PT5365AI05B 05	218034103-17 Location: Rm. 235 - White CWT Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.9 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI06A 06	218034103-18 Location: Rm. 135 - White CWT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI06B 06	218034103-19 Location: Rm. 235 - White CWT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI07A 07	218034103-20 Location: Rm. 135 - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI07B 07	218034103-21 Location: Rm. 235 - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI08A 08	218034103-22 Location: Rm. 135 - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI08B 08	218034103-23 Location: Rm. 235 - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI09A 09	218034103-24 Location: Rm. 120 - Brown Expansion Board	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
PT5365AI09B 09	218034103-25 Location: Rm. 222 - Brown Expansion Board	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
PT5365AI10A 10	218034103-26 Location: Corridor C - 1st Floor A - Yellow Cove Base Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10 %			
PT5365AI10B 10	218034103-27 Location: Corridor C - 1st Floor A - Yellow Cove Base Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10.2 %			
PT5365AI11A 11	218034103-28 Location: Rm. 135 - White Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.6 %			
PT5365AI11B 11	218034103-29 Location: Rm. 165 - White Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.8 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI12A 12	218034103-30 Location: Rm. 135 - White Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.2 %			
PT5365AI12B 12	218034103-31 Location: Rm. 165 - White Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.3 %			
PT5365AI13A 13	218034103-32 Location: Rm. 131 - Light Green Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.7 %			
PT5365AI13B 13	218034103-33 Location: Rm. 131 - Light Green Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.9 %			
PT5365AI14A 14	218034103-34 Location: Rm. 131 - Tan Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 6 %			
PT5365AI14B 14	218034103-35 Location: Rm. 131 - Tan Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.9 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI15A 15	218034103-36 Location: Rm. 128 - Gray / White Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 6.2 %			
PT5365AI15B 15	218034103-37 Location: Rm. 125 - Gray / White Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 9.9 %			
PT5365AI16A 16	218034103-38 Location: Rm. 128 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 28 %			
PT5365AI16B 16	218034103-39 Location: Rm. 125 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.2 %			
PT5365AI17A 17	218034103-40 Location: Rm. 124 - Gray Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.9 %			
PT5365AI17B 17	218034103-41 Location: Rm. 124 - Gray Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.6 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI18A 18	218034103-42 Location: Rm. 124 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 9.1 %			
PT5365AI18B 18	218034103-43 Location: Rm. 124 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.8 %			
PT5365AI19A 19	218034103-44 Location: Rm. 235A - Gray Mortar	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI19B 19	218034103-45 Location: Rm. 226 - Gray Mortar	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI20A 20	218034103-46 Location: Rm. 125 - White Gypsum	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Fibrous glass Trace, Non-fibrous 97 %			
PT5365AI20B 20	218034103-47 Location: Rm. 125 - White Gypsum	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI21A 21	218034103-48 Location: Rm. 125 - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
PT5365AI21B 21	218034103-49 Location: Rm. 125 - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
PT5365AI22A 22	218034103-50 Location: Rm. 125 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
PT5365AI22B 22	218034103-51 Location: Rm. 125 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
PT5365AI23A 23	218034103-52 Location: Rm. 124 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 27.5 %			
PT5365AI23B 23	218034103-53 Location: Rm. 124 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29.2 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI24A 24	218034103-54 Location: Rm. 124B - Gray Gypsum Wallboard	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White/Brown, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 5 %, Non-fibrous 95 %			
PT5365AI24B 24	218034103-55 Location: Rm. 124B - Gray Gypsum Wallboard	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Non-fibrous 97 %			
PT5365AI25A 25	218034103-56 Location: Rm. 124B - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI25B 25	218034103-57 Location: Rm. 124B - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI26A 26	218034103-58 Location: Rm. 124B - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
PT5365AI26B 26	218034103-59 Location: Rm. 124B - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 90 %, Non-fibrous 10 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI27A 27	218034103-60 Location: Rm. 254B - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Maroon, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 18 %			
PT5365AI27B 27	218034103-61 Location: Rm. 254A - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Maroon, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 24 %			
PT5365AI28A 28	218034103-62 Location: Rm. 254B - Tan Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29 %			
PT5365AI28B 28	218034103-63 Location: Rm. 254A - Tan Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 27.1 %			
PT5365AI29A 29	218034103-64 Location: Rm. 120 - Gray Expansion Caulk	Yes	Trace (<0.25 % pc) ¹ (EPA 400 PC) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 12 %			
PT5365AI29B 29	218034103-65 Location: Rm. 222 - Gray Expansion Caulk	Yes	2.2 % (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.2 %			
Other Material: Non-fibrous 11.7 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI30A 30	218034103-66 Location: Rm. 124B - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 28.4 %			
PT5365AI30B 30	218034103-67 Location: Rm. 124B - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 27.2 %			
PT5365AI31A 31	218034103-68 Location: Rm. 120 - Black Acoustic Tile	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI31B 31	218034103-69 Location: Rm. 111 - Black Acoustic Tile	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI32A 32	218034103-70 Location: Rm. 120 - Brown Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 39.9 %			
PT5365AI32B 32	218034103-71 Location: Rm. 111 - Brown Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 44.9 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI33A 33	218034103-72 Location: Rm. 123 - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.2 %			
PT5365AI33B 33	218034103-73 Location: Rm. 123 - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.9 %			
PT5365AI34A 34	218034103-74 Location: Rm. 123 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 33 %			
PT5365AI34B 34	218034103-75 Location: Rm. 123 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.6 %			
PT5365AI35A 35	218034103-76 Location: Rm. 244B - White Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous Talc Trace, Non-fibrous 25.8 %			
PT5365AI35B 35	218034103-77 Location: Rm. 244B - White Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous Talc Trace, Non-fibrous 31.3 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI36A 36	218034103-78 Location: Rm. 250 - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.7 %			
PT5365AI36B 36	218034103-79 Location: Rm. 258 - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 27.7 %			
PT5365AI37A 37	218034103-80 Location: Rm. 123 / Stage - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 30 %			
PT5365AI37B 37	218034103-81 Location: Rm. 123 / Stage - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 23.8 %			
PT5365AI38A 38	218034103-82 Location: Rm. 222 - White TSI	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Synthetic fibers 60 %, Non-fibrous 40 %			
PT5365AI38B 38	218034103-83 Location: Rm. 222 - White TSI	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Synthetic fibers 60 %, Non-fibrous 40 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI39A 39	218034103-84 Location: Rm. 222 - Brown Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.7 %			
PT5365AI39B 39	218034103-85 Location: Rm. 226 - Brown Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4 %			
PT5365AI40A 40	218034103-86 Location: Rm. 222 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 9.8 %			
PT5365AI40B 40	218034103-87 Location: Rm. 226 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.4 %			
PT5365AI41A 41	218034103-88 Location: Rm. 222 - Brown Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.4 %			
PT5365AI41B 41	218034103-89 Location: Rm. 226 - Brown Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.3 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI42A 42	218034103-90 Location: Rm. 222 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 15.8 %			
PT5365AI42B 42	218034103-91 Location: Rm. 226 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 7.3 %			
PT5365AI43A 43	218034103-92 Location: Rm. 222 - Black Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 35.6 %			
PT5365AI43B 43	218034103-93 Location: Rm. 226 - Black Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 49.8 %			
PT5365AI44A 44	218034103-94 Location: Rm. 220 - Black Lab Tables	Yes	19 % (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 19.0 % Other Material: Non-fibrous 81 %			
PT5365AI44B 44	218034103-95 Location: Rm. 214 - Black Lab Tables		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI45A 45	218034103-96 Location: Rm. 220 - Black Seam Adhesive	Yes	2 % ¹ (EPA 400 PC) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 33.2 %			
PT5365AI45B 45	218034103-97 Location: Rm. 214 - Black Seam Adhesive		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
PT5365AI46A 46	218034103-98 Location: Rm. 222 - White Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
PT5365AI46B 46	218034103-99 Location: Rm. 220 - White Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
PT5365AI46C 46	218034103-100 Location: Rm. 224 - White Mudded Fitting	Yes	Trace (<0.25 % pc) (EPA 400 PC) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
PT5365AI47A 47	218034103-101 Location: Rm. 222 - Tan Cloth Jacket	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Synthetic fibers 80 %, Non-fibrous 20 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI47B 47	218034103-102 Location: Rm. 220 - Tan Cloth Jacket	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Synthetic fibers 80 %, Non-fibrous 20 %			
PT5365AI47C 47	218034103-103 Location: Rm. 224 - Tan Cloth Jacket	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/Tan/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			
PT5365AI49A 49	218034103-104 Location: Rm. 216 - Light Brown Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.4 %			
PT5365AI49B 49	218034103-105 Location: Rm. 218 - Light Brown Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.5 %			
PT5365AI50A 50	218034103-106 Location: Rm. 216 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 24.6 %			
PT5365AI50B 50	218034103-107 Location: Rm. 218 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 19.5 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI51A 51	218034103-108 Location: Rm. 214 - Red Fire Stop	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.8 %			
PT5365AI51B 51	218034103-109 Location: Rm. 214 - Red Fire Stop	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 37.7 %			
PT5365AI52A 52	218034103-110 Location: Rm. 218 - Black Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.6 %			
PT5365AI52B 52	218034103-111 Location: Rm. 214 - Black Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.8 %			
PT5365AI53A 53	218034103-112 Location: Rm. 218 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.7 %			
PT5365AI53B 53	218034103-113 Location: Rm. 214 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.5 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI54A 54	218034103-114 Location: Rm. 326 - Light Brown Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.1 %			
PT5365AI54B 54	218034103-115 Location: Rm. 326 - Light Brown Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.7 %			
PT5365AI55A 55	218034103-116 Location: Rm. 326 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.5 %			
PT5365AI55B 55	218034103-117 Location: Rm. 326 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 32.1 %			
PT5365AI56A 56	218034103-118 Location: Rm. 318 - Gray Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.8 %			
PT5365AI56B 56	218034103-119 Location: Rm. 316 - Gray Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.1 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI57A 57	218034103-120 Location: Rm. 318 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 34.5 %			
PT5365AI57B 57	218034103-121 Location: Rm. 316 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.3 %			
PT5365AI58A 58	218034103-122 Location: Rm. 316 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.3 %			
PT5365AI58B 58	218034103-123 Location: Rm. 318 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 9.3 %			
PT5365AI59A 59	218034103-124 Location: Corridor C - 1st Floor A - Dark Green Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.2 %			
PT5365AI59B 59	218034103-125 Location: Corridor C - 1st Floor A - Dark Green Cove Base	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.1 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI60A 60	218034103-126 Location: Corridor C - 1st Floor A - Green Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.5 %			
PT5365AI60B 60	218034103-127 Location: Corridor C - 1st Floor A - Green Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 7 %			
PT5365AI61A 61	218034103-128 Location: Corridor C - 1st Floor A - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.1 %			
PT5365AI61B 61	218034103-129 Location: Corridor C - 1st Floor A - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.6 %			
PT5365AI62A 62	218034103-130 Location: Rm. 179 - Gray Gypsum Board	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 8 %, Non-fibrous 92 %			
PT5365AI62B 62	218034103-131 Location: Rm. 163 - Gray Gypsum Board	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI63A 63	218034103-132 Location: Rm. 202 - Green Rubber Flooring	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.2 %			
PT5365AI63B 63	218034103-133 Location: Rm. 202 - Green Rubber Flooring	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.2 %			
PT5365AI64A 64	218034103-134 Location: Rm. 202 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Olive, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.8 %			
PT5365AI64B 64	218034103-135 Location: Rm. 202 - Yellow Adhesive	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Olive, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21.3 %			
PT5365AI65A 65	218034103-136 Location: Rm. 202A - Black HVAC Insulation Paper Backing	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Silver/Brown/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 30 %, Fibrous glass 20 %, Non-fibrous 50 %			
PT5365AI65B 65	218034103-137 Location: Rm. 202A - Black HVAC Insulation Paper Backing	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: White/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 60 %, Fibrous glass 20 %, Non-fibrous 20 %			

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI66A 66	218034103-138 Location: Rm. 202A - Black Vibration Cloth	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 50 %, Non-fibrous 6.5 %			
PT5365AI66B 66	218034103-139 Location: Rm. 202A - Black Vibration Cloth	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 50 %, Non-fibrous 18.8 %			
PT5365AI67A 67	218034103-140 Location: Rm. 202A - Gray HVAC Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 13.3 %			
PT5365AI67B 67	218034103-141 Location: Rm. 202A - Gray HVAC Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 13.7 %			
PT5365AI68A 68	218034103-142 Location: Rm. 250 - White Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 7.9 %			
PT5365AI68B 68	218034103-143 Location: Rm. 258 - White Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.3 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI69A 69	218034103-144 Location: Rm. 250 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 24.7 %			
PT5365AI69B 69	218034103-145 Location: Rm. 258 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.7 %			
PT5365AI70A 70	218034103-146 Location: Rm. 258C - Tan CWT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI70B 70	218034103-147 Location: Rm. 252B - Tan CWT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI71A 71	218034103-148 Location: Rm. 258C - Gray CWT Adhesive	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI71B 71	218034103-149 Location: Rm. 258B - Gray CWT Adhesive	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI72A 72	218034103-150 Location: Rm. 258B - Gray Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.1 %			
PT5365AI72B 72	218034103-151 Location: Rm. 254A - Gray Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.8 %			
PT5365AI73A 73	218034103-152 Location: Rm. 249B - Brown CFT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI73B 73	218034103-153 Location: Rm. 165 - Brown CFT Grout	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI74A 74	218034103-154 Location: Rm. 249B - Brown CFT Mortar Bed	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI74B 74	218034103-155 Location: Rm. 15 - Brown CFT Mortar Bed	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI75A 75	218034103-156 Location: Rm. 252B - Tan Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI75B 75	218034103-157 Location: Rm. 258B - Tan Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI75C 75	218034103-158 Location: Rm. 242 - Tan Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI75D 75	218034103-159 Location: Rm. 256A - Tan Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI75E 75	218034103-160 Location: Rm. 240 - Tan Textured Paint	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI76A 76	218034103-161 Location: Rm. 242 - Tan Wall / Ceiling Component	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI76B 76	218034103-162 Location: Rm. 242 - Tan Wall / Ceiling Component	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5365AI77A 77	218034103-163 Location: Rm. 256 - Peach Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Peach, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.2 %			
PT5365AI77B 77	218034103-164 Location: Rm. 256 - Peach Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Peach, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 30.9 %			
PT5365AI78A 78	218034103-165 Location: Rm. 256 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 35.8 %			
PT5365AI78B 78	218034103-166 Location: Rm. 256 - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 40.9 %			
PT5365AI79A 79	218034103-167 Location: Rm. 256 - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Maroon, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 28.3 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI79B 79	218034103-168 Location: Rm. 256 - Red Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Maroon, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 28.7 %			
PT5365AI80A 80	218034103-169 Location: Corridor D - 2nd Floor A - Gray Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4 %			
PT5365AI80B 80	218034103-170 Location: Corridor D - 2nd Floor A - Gray Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.6 %			
PT5365AI81A 81	218034103-171 Location: Corridor D - 2nd Floor A - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21.6 %			
PT5365AI81B 81	218034103-172 Location: Corridor D - 2nd Floor A - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 19.4 %			
PT5365AI82A 82	218034103-173 Location: Corridor D - 3rd Floor A - Peach Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.1 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5365; James O'Neill HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365A182B 82	218034103-174 Location: Corridor D - 3rd Floor A - Peach Floor Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.8 %			
PT5365A183A 83	218034103-175 Location: Corridor D - 3rd Floor A - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.6 %			
PT5365A183B 83	218034103-176 Location: Corridor D - 3rd Floor A - Yellow Mastic	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 03/28/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.7 %			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Jared C. Clarke

*NAD/NSD =no asbestos detected; NA=not analyzed; NA/PS=not analyzed/positive stop. (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480). Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	PT5365A101A	01	----	----	----	----	NAD	NA
Location: Corridor D - 1st Floor A - White Textured Paint								
02	PT5365A101B	01	----	----	----	----	NAD	NA
Location: Rm. 131 - White Textured Paint								
03	PT5365A101C	01	----	----	----	----	NAD	NA
Location: Rm. 124 - White Textured Paint								
04	PT5365A101D	01	----	----	----	----	NAD	NA
Location: Corridor A - 1st Floor A - White Textured Paint								
05	PT5365A101E	01	----	----	----	----	NAD	NA
Location: Rm. 162 - White Textured Paint								
06	PT5365A101F	01	----	----	----	----	NAD	NA
Location: Rm. 170 - White Textured Paint								
07	PT5365A101G	01	----	----	----	----	NAD	NA
Location: Rm. 171 - White Textured Paint								
08	PT5365A102A	02	----	----	----	----	NAD	NA
Location: Rm. 235 - Black Threshold Stone								
09	PT5365A102B	02	----	----	----	----	NAD	NA
Location: Rm. 232 - Black Threshold Stone								
10	PT5365A103A	03	----	----	----	----	NAD	NA
Location: Rm. 121 - White TSI Paper Jacket								
11	PT5365A103B	03	----	----	----	----	NAD	NA
Location: Rm. 124 - White TSI Paper Jacket								
12	PT5365A103C	03	----	----	----	----	NAD	NA
Location: Rm. 135 - White TSI Paper Jacket								
13	PT5365A104A	04	0.229	38.9	3.1	58.1	NAD	NAD
Location: Rm. 135 - White TSI End Sealant								
14	PT5365A104B	04	0.260	38.8	5.4	55.8	NAD	NAD
Location: Rm. 232 - White TSI End Sealant								
15	PT5365A104C	04	0.277	40.1	4.3	55.6	NAD	NAD
Location: Rm. 232A - White TSI End Sealant								
16	PT5365A105A	05	0.168	12.5	86.3	1.2	NAD	NAD
Location: Rm. 135 - White CWT Adhesive								

See Reporting notes on last page

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	PT5365A105B	05	0.104	23.1	75.0	1.9	NAD	NAD
Location: Rm. 235 - White CWT Adhesive								
18	PT5365A106A	06	---	---	---	---	NAD	NA
Location: Rm. 135 - White CWT Grout								
19	PT5365A106B	06	---	---	---	---	NAD	NA
Location: Rm. 235 - White CWT Grout								
20	PT5365A107A	07	---	---	---	---	NAD	NA
Location: Rm. 135 - Gray CFT Grout								
21	PT5365A107B	07	---	---	---	---	NAD	NA
Location: Rm. 235 - Gray CFT Grout								
22	PT5365A108A	08	---	---	---	---	NAD	NA
Location: Rm. 135 - Gray CFT Thinset								
23	PT5365A108B	08	---	---	---	---	NAD	NA
Location: Rm. 235 - Gray CFT Thinset								
24	PT5365A109A	09	---	---	---	---	NAD	NA
Location: Rm. 120 - Brown Expansion Board								
25	PT5365A109B	09	---	---	---	---	NAD	NA
Location: Rm. 222 - Brown Expansion Board								
26	PT5365A110A	10	0.250	42.8	47.2	10.0	NAD	NAD
Location: Corridor C - 1st Floor A - Yellow Cove Base Adhesive								
27	PT5365A110B	10	0.196	42.9	46.9	10.2	NAD	NAD
Location: Corridor C - 1st Floor A - Yellow Cove Base Adhesive								
28	PT5365A111A	11	0.246	26.4	72.0	1.6	NAD	NAD
Location: Rm. 135 - White Caulk								
29	PT5365A111B	11	0.277	35.7	58.5	5.8	NAD	NAD
Location: Rm. 165 - White Caulk								
30	PT5365A112A	12	0.250	26.0	70.8	3.2	NAD	NAD
Location: Rm. 135 - White Caulk								
31	PT5365A112B	12	0.239	24.7	72.0	3.3	NAD	NAD
Location: Rm. 165 - White Caulk								
32	PT5365A113A	13	0.135	52.6	43.7	3.7	NAD	NAD
Location: Rm. 131 - Light Green Cove Base								

See Reporting notes on last page

Table 1
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	PT5365A113B	13	0.154	48.1	48.1	3.9	NAD	NAD
Location: Rm. 131 - Light Green Cove Base								
34	PT5365A114A	14	0.250	38.4	55.6	6.0	NAD	NAD
Location: Rm. 131 - Tan Adhesive								
35	PT5365A114B	14	0.346	40.8	54.3	4.9	NAD	NAD
Location: Rm. 131 - Tan Adhesive								
36	PT5365A115A	15	0.243	12.8	81.1	6.2	NAD	NAD
Location: Rm. 128 - Gray / White Floor Tile								
37	PT5365A115B	15	0.252	13.1	77.0	9.9	NAD	NAD
Location: Rm. 125 - Gray / White Floor Tile								
38	PT5365A116A	16	0.314	59.9	12.1	28.0	NAD	NAD
Location: Rm. 128 - Yellow Mastic								
39	PT5365A116B	16	0.192	90.1	5.7	4.2	NAD	NAD
Location: Rm. 125 - Yellow Mastic								
40	PT5365A117A	17	0.269	33.5	64.7	1.9	NAD	NAD
Location: Rm. 124 - Gray Cove Base								
41	PT5365A117B	17	0.257	33.5	65.0	1.6	NAD	NAD
Location: Rm. 124 - Gray Cove Base								
42	PT5365A118A	18	0.374	40.6	50.3	9.1	NAD	NAD
Location: Rm. 124 - Yellow Adhesive								
43	PT5365A118B	18	0.217	41.5	50.7	7.8	NAD	NAD
Location: Rm. 124 - Yellow Adhesive								
44	PT5365A119A	19	---	---	---	---	NAD	NA
Location: Rm. 235A - Gray Mortar								
45	PT5365A119B	19	---	---	---	---	NAD	NA
Location: Rm. 226 - Gray Mortar								
46	PT5365A120A	20	---	---	---	---	NAD	NA
Location: Rm. 125 - White Gypsum								
47	PT5365A120B	20	---	---	---	---	NAD	NA
Location: Rm. 125 - White Gypsum								
48	PT5365A121A	21	---	---	---	---	NAD	NA
Location: Rm. 125 - White Seam Tape								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	PT5365A121B	21	---	---	---	---	NAD	NA
Location: Rm. 125 - White Seam Tape								
50	PT5365A122A	22	---	---	---	---	NAD	NA
Location: Rm. 125 - White Joint Compound								
51	PT5365A122B	22	---	---	---	---	NAD	NA
Location: Rm. 125 - White Joint Compound								
52	PT5365A123A	23	0.193	63.2	9.3	27.5	NAD	NAD
Location: Rm. 124 - Yellow Carpet Adhesive								
53	PT5365A123B	23	0.171	62.6	8.2	29.2	NAD	NAD
Location: Rm. 124 - Yellow Carpet Adhesive								
54	PT5365A124A	24	---	---	---	---	NAD	NA
Location: Rm. 124B - Gray Gypsum Wallboard								
55	PT5365A124B	24	---	---	---	---	NAD	NA
Location: Rm. 124B - Gray Gypsum Wallboard								
56	PT5365A125A	25	---	---	---	---	NAD	NA
Location: Rm. 124B - White Joint Compound								
57	PT5365A125B	25	---	---	---	---	NAD	NA
Location: Rm. 124B - White Joint Compound								
58	PT5365A126A	26	---	---	---	---	NAD	NA
Location: Rm. 124B - White Seam Tape								
59	PT5365A126B	26	---	---	---	---	NAD	NA
Location: Rm. 124B - White Seam Tape								
60	PT5365A127A	27	0.300	18.0	64.0	18.0	NAD	NAD
Location: Rm. 254B - Red Floor Tile								
61	PT5365A127B	27	0.308	19.2	56.8	24.0	NAD	NAD
Location: Rm. 254A - Red Floor Tile								
62	PT5365A128A	28	0.263	59.3	11.6	29.0	NAD	NAD
Location: Rm. 254B - Tan Mastic								
63	PT5365A128B	28	0.118	57.6	15.3	27.1	NAD	NAD
Location: Rm. 254A - Tan Mastic								
64	PT5365A129A	29	0.242	35.5	52.5	12.0	Chrysotile <0.25	NA
Location: Rm. 120 - Gray Expansion Caulk								

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	PT5365AI29B	29	0.337	35.9	50.1	11.7	Chrysotile 2.2	NA
Location: Rm. 222 - Gray Expansion Caulk								
66	PT5365AI30A	30	0.218	47.7	23.9	28.4	NAD	NAD
Location: Rm. 124B - Yellow Carpet Adhesive								
67	PT5365AI30B	30	0.151	51.0	21.9	27.2	NAD	NAD
Location: Rm. 124B - Yellow Carpet Adhesive								
68	PT5365AI31A	31	---	---	---	---	NAD	NA
Location: Rm. 120 - Black Acoustic Tile								
69	PT5365AI31B	31	---	---	---	---	NAD	NA
Location: Rm. 111 - Black Acoustic Tile								
70	PT5365AI32A	32	0.198	50.5	9.6	39.9	NAD	NAD
Location: Rm. 120 - Brown Adhesive								
71	PT5365AI32B	32	0.214	50.5	4.7	44.9	NAD	NAD
Location: Rm. 111 - Brown Adhesive								
72	PT5365AI33A	33	0.265	12.5	83.4	4.2	NAD	NAD
Location: Rm. 123 - Red Floor Tile								
73	PT5365AI33B	33	0.255	12.9	83.1	3.9	NAD	NAD
Location: Rm. 123 - Red Floor Tile								
74	PT5365AI34A	34	0.179	40.2	26.8	33.0	NAD	NAD
Location: Rm. 123 - Yellow Mastic								
75	PT5365AI34B	34	0.153	52.3	11.1	36.6	NAD	NAD
Location: Rm. 123 - Yellow Mastic								
76	PT5365AI35A	35	0.163	62.6	11.7	25.7	NAD	Anthophyllite Trace
Location: Rm. 244B - White Caulk								
77	PT5365AI35B	35	0.192	64.6	4.2	31.2	NAD	Anthophyllite Trace
Location: Rm. 244B - White Caulk								
78	PT5365AI36A	36	0.267	13.5	82.8	3.7	NAD	NAD
Location: Rm. 250 - Red Floor Tile								
79	PT5365AI36B	36	0.285	12.6	59.6	27.7	NAD	NAD
Location: Rm. 258 - Red Floor Tile								
80	PT5365AI37A	37	0.110	64.5	5.5	30.0	NAD	NAD
Location: Rm. 123 / Stage - Black Vapor Barrier								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
81	PT5365A137B	37	0.185	71.9	4.3	23.8	NAD	NAD
Location: Rm. 123 / Stage - Black Vapor Barrier								
82	PT5365A138A	38	---	---	---	---	NAD	NA
Location: Rm. 222 - White TSI								
83	PT5365A138B	38	---	---	---	---	NAD	NA
Location: Rm. 222 - White TSI								
84	PT5365A139A	39	0.257	20.2	75.1	4.7	NAD	NAD
Location: Rm. 222 - Brown Floor Tile								
85	PT5365A139B	39	0.223	15.7	80.3	4.0	NAD	NAD
Location: Rm. 226 - Brown Floor Tile								
86	PT5365A140A	40	0.235	53.2	37.0	9.8	NAD	NAD
Location: Rm. 222 - Yellow Mastic								
87	PT5365A140B	40	0.222	89.6	9.0	1.4	NAD	NAD
Location: Rm. 226 - Yellow Mastic								
88	PT5365A141A	41	0.166	54.2	43.4	2.4	NAD	NAD
Location: Rm. 222 - Brown Cove Base								
89	PT5365A141B	41	0.176	54.0	43.8	2.3	NAD	NAD
Location: Rm. 226 - Brown Cove Base								
90	PT5365A142A	42	0.317	38.5	45.7	15.8	NAD	NAD
Location: Rm. 222 - Yellow Adhesive								
91	PT5365A142B	42	0.260	41.2	51.5	7.3	NAD	NAD
Location: Rm. 226 - Yellow Adhesive								
92	PT5365A143A	43	0.205	42.4	22.0	35.6	NAD	NAD
Location: Rm. 222 - Black Cove Base								
93	PT5365A143B	43	0.211	42.7	7.6	49.8	NAD	NAD
Location: Rm. 226 - Black Cove Base								
94	PT5365A144A	44	---	---	---	---	Chrysotile 19.0	NA
Location: Rm. 220 - Black Lab Tables								
95	PT5365A144B	44	---	---	---	---	NA/PS	NA
Location: Rm. 214 - Black Lab Tables								
96	PT5365A145A	45	0.233	57.5	7.3	33.2	Chrysotile 2.0	NA
Location: Rm. 220 - Black Seam Adhesive								

Table I
Summary of Bulk Asbestos Analysis Results
 PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
97	PT5365A145B	45	0.312	57.7	9.9	32.4	NA/PS	NA
Location: Rm. 214 - Black Seam Adhesive								
98	PT5365A146A	46	---	---	---	---	NAD	NA
Location: Rm. 222 - White Mudded Fitting								
99	PT5365A146B	46	---	---	---	---	NAD	NA
Location: Rm. 220 - White Mudded Fitting								
100	PT5365A146C	46	---	---	---	---	Chrysotile <0.25	NA
Location: Rm. 224 - White Mudded Fitting								
101	PT5365A147A	47	---	---	---	---	NAD	NA
Location: Rm. 222 - Tan Cloth Jacket								
102	PT5365A147B	47	---	---	---	---	NAD	NA
Location: Rm. 220 - Tan Cloth Jacket								
103	PT5365A147C	47	---	---	---	---	NAD	NA
Location: Rm. 224 - Tan Cloth Jacket								
104	PT5365A149A	49	0.203	17.2	77.3	5.4	NAD	NAD
Location: Rm. 216 - Light Brown Floor Tile								
105	PT5365A149B	49	0.213	17.4	75.1	7.5	NAD	NAD
Location: Rm. 218 - Light Brown Floor Tile								
106	PT5365A150A	50	0.138	58.0	17.4	24.6	NAD	NAD
Location: Rm. 216 - Yellow Mastic								
107	PT5365A150B	50	0.133	67.7	12.8	19.5	NAD	NAD
Location: Rm. 218 - Yellow Mastic								
108	PT5365A151A	51	0.125	47.2	16.0	36.8	NAD	NAD
Location: Rm. 214 - Red Fire Stop								
109	PT5365A151B	51	0.130	46.9	15.4	37.7	NAD	NAD
Location: Rm. 214 - Red Fire Stop								
110	PT5365A152A	52	0.173	60.7	38.7	0.6	NAD	NAD
Location: Rm. 218 - Black Cove Base								
111	PT5365A152B	52	0.163	63.2	35.0	1.8	NAD	NAD
Location: Rm. 214 - Black Cove Base								
112	PT5365A153A	53	0.288	41.7	49.7	8.7	NAD	NAD
Location: Rm. 218 - Yellow Adhesive								

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
113	PT5365A153B	53	0.283	39.2	52.3	8.5	NAD	NAD
Location: Rm. 214 - Yellow Adhesive								
114	PT5365A154A	54	0.235	14.9	83.0	2.1	NAD	NAD
Location: Rm. 326 - Light Brown Floor Tile								
115	PT5365A154B	54	0.214	15.0	81.3	3.7	NAD	NAD
Location: Rm. 326 - Light Brown Floor Tile								
116	PT5365A155A	55	0.208	57.2	6.3	36.5	NAD	NAD
Location: Rm. 326 - Yellow Mastic								
117	PT5365A155B	55	0.187	58.3	9.6	32.1	NAD	NAD
Location: Rm. 326 - Yellow Mastic								
118	PT5365A156A	56	0.218	14.2	83.9	1.8	NAD	NAD
Location: Rm. 318 - Gray Floor Tile								
119	PT5365A156B	56	0.240	15.4	82.5	2.1	NAD	NAD
Location: Rm. 316 - Gray Floor Tile								
120	PT5365A157A	57	0.119	54.6	10.9	34.5	NAD	NAD
Location: Rm. 318 - Yellow Mastic								
121	PT5365A157B	57	0.223	57.0	6.7	36.3	NAD	NAD
Location: Rm. 316 - Yellow Mastic								
122	PT5365A158A	58	0.181	85.1	6.6	8.3	NAD	NAD
Location: Rm. 316 - Yellow Adhesive								
123	PT5365A158B	58	0.204	85.8	4.9	9.3	NAD	NAD
Location: Rm. 318 - Yellow Adhesive								
124	PT5365A159A	59	0.180	51.1	46.7	2.2	NAD	NAD
Location: Corridor C - 1st Floor A - Dark Green Cove Base								
125	PT5365A159B	59	0.147	52.4	43.5	4.1	NAD	NAD
Location: Corridor C - 1st Floor A - Dark Green Cove Base								
126	PT5365A160A	60	0.263	14.1	79.5	6.5	NAD	NAD
Location: Corridor C - 1st Floor A - Green Floor Tile								
127	PT5365A160B	60	0.257	13.2	79.8	7.0	NAD	NAD
Location: Corridor C - 1st Floor A - Green Floor Tile								
128	PT5365A161A	61	0.227	85.5	11.5	3.1	NAD	NAD
Location: Corridor C - 1st Floor A - Yellow Mastic								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
129	PT5365A161B	61	0.166	83.1	10.2	6.6	NAD	NAD
Location: Corridor C - 1st Floor A - Yellow Mastic								
130	PT5365A162A	62	---	---	---	---	NAD	NA
Location: Rm. 179 - Gray Gypsum Board								
131	PT5365A162B	62	---	---	---	---	NAD	NA
Location: Rm. 163 - Gray Gypsum Board								
132	PT5365A163A	63	0.257	82.5	16.3	1.2	NAD	NAD
Location: Rm. 202 - Green Rubber Flooring								
133	PT5365A163B	63	0.244	82.8	16.0	1.2	NAD	NAD
Location: Rm. 202 - Green Rubber Flooring								
134	PT5365A164A	64	0.553	21.0	71.2	7.8	NAD	NAD
Location: Rm. 202 - Yellow Adhesive								
135	PT5365A164B	64	0.197	41.1	37.6	21.3	NAD	NAD
Location: Rm. 202 - Yellow Adhesive								
136	PT5365A165A	65	---	---	---	---	NAD	NA
Location: Rm. 202A - Black HVAC Insulation Paper Backing								
137	PT5365A165B	65	---	---	---	---	NAD	NA
Location: Rm. 202A - Black HVAC Insulation Paper Backing								
138	PT5365A166A	66	0.200	30.5	13.0	56.5	NAD	NAD
Location: Rm. 202A - Black Vibration Cloth								
139	PT5365A166B	66	0.208	28.4	2.9	68.8	NAD	NAD
Location: Rm. 202A - Black Vibration Cloth								
140	PT5365A167A	67	0.255	40.8	45.9	13.3	NAD	NAD
Location: Rm. 202A - Gray HVAC Caulk								
141	PT5365A167B	67	0.234	39.7	46.6	13.7	NAD	NAD
Location: Rm. 202A - Gray HVAC Caulk								
142	PT5365A168A	68	0.353	15.3	76.8	7.9	NAD	NAD
Location: Rm. 250 - White Floor Tile								
143	PT5365A168B	68	0.272	15.4	78.3	6.3	NAD	NAD
Location: Rm. 258 - White Floor Tile								
144	PT5365A169A	69	0.271	60.5	14.8	24.7	NAD	NAD
Location: Rm. 250 - Yellow Mastic								

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
145	PT5365A169B	69	0.166	59.0	4.2	36.7	NAD	NAD
Location: Rm. 258 - Yellow Mastic								
146	PT5365A170A	70	----	----	----	----	NAD	NA
Location: Rm. 258C - Tan CWT Grout								
147	PT5365A170B	70	----	----	----	----	NAD	NA
Location: Rm. 252B - Tan CWT Grout								
148	PT5365A171A	71	----	----	----	----	NAD	NA
Location: Rm. 258C - Gray CWT Adhesive								
149	PT5365A171B	71	----	----	----	----	NAD	NA
Location: Rm. 258B - Gray CWT Adhesive								
150	PT5365A172A	72	0.216	19.9	44.0	36.1	NAD	NAD
Location: Rm. 258B - Gray Floor Tile								
151	PT5365A172B	72	0.208	20.2	50.0	29.8	NAD	NAD
Location: Rm. 254A - Gray Floor Tile								
152	PT5365A173A	73	----	----	----	----	NAD	NA
Location: Rm. 249B - Brown CFT Grout								
153	PT5365A173B	73	----	----	----	----	NAD	NA
Location: Rm. 165 - Brown CFT Grout								
154	PT5365A174A	74	----	----	----	----	NAD	NA
Location: Rm. 249B - Brown CFT Mortar Bed								
155	PT5365A174B	74	----	----	----	----	NAD	NA
Location: Rm. 15 - Brown CFT Mortar Bed								
156	PT5365A175A	75	----	----	----	----	NAD	NA
Location: Rm. 252B - Tan Textured Paint								
157	PT5365A175B	75	----	----	----	----	NAD	NA
Location: Rm. 258B - Tan Textured Paint								
158	PT5365A175C	75	----	----	----	----	NAD	NA
Location: Rm. 242 - Tan Textured Paint								
159	PT5365A175D	75	----	----	----	----	NAD	NA
Location: Rm. 256A - Tan Textured Paint								
160	PT5365A175E	75	----	----	----	----	NAD	NA
Location: Rm. 240 - Tan Textured Paint								

See Reporting notes on last page

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
161	PT5365A176A	76					NAD	NA
Location: Rm. 242 - Tan Wall / Ceiling Component								
162	PT5365A176B	76					NAD	NA
Location: Rm. 242 - Tan Wall / Ceiling Component								
163	PT5365A177A	77	0.209	18.2	52.6	29.2	NAD	NAD
Location: Rm. 256 - Peach Floor Tile								
164	PT5365A177B	77	0.178	10.7	58.4	30.9	NAD	NAD
Location: Rm. 256 - Peach Floor Tile								
165	PT5365A178A	78	0.229	60.3	3.9	35.8	NAD	NAD
Location: Rm. 256 - Yellow Mastic								
166	PT5365A178B	78	0.193	51.8	7.3	40.9	NAD	NAD
Location: Rm. 256 - Yellow Mastic								
167	PT5365A179A	79	0.297	19.9	51.9	28.3	NAD	NAD
Location: Rm. 256 - Red Floor Tile								
168	PT5365A179B	79	0.279	21.5	49.8	28.7	NAD	NAD
Location: Rm. 256 - Red Floor Tile								
169	PT5365A180A	80	0.274	17.5	78.5	4.0	NAD	NAD
Location: Corridor D - 2nd Floor A - Gray Floor Tile								
170	PT5365A180B	80	0.222	14.0	82.4	3.6	NAD	NAD
Location: Corridor D - 2nd Floor A - Gray Floor Tile								
171	PT5365A181A	81	0.204	71.6	6.9	21.6	NAD	NAD
Location: Corridor D - 2nd Floor A - Yellow Mastic								
172	PT5365A181B	81	0.170	72.4	8.2	19.4	NAD	NAD
Location: Corridor D - 2nd Floor A - Yellow Mastic								
173	PT5365A182A	82	0.273	18.3	73.6	8.1	NAD	NAD
Location: Corridor D - 3rd Floor A - Peach Floor Tile								
174	PT5365A182B	82	0.251	17.5	75.7	6.8	NAD	NAD
Location: Corridor D - 3rd Floor A - Peach Floor Tile								
175	PT5365A183A	83	0.198	84.3	10.1	5.6	NAD	NAD
Location: Corridor D - 3rd Floor A - Yellow Mastic								
176	PT5365A183B	83	0.169	89.3	5.9	4.7	NAD	NAD
Location: Corridor D - 3rd Floor A - Yellow Mastic								

Table I
Summary of Bulk Asbestos Analysis Results

PT5365; James O'Neill HS; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	----------------------	--------------------------	--------------------------	------------------------------------	-------------------------	----------------------

Analyzed by: Manik Peysakhov; Date Analyzed 3/29/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

NO. 19478

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD



218034103

Albany
22 Corporate Drive
Clifton Park, NY 12065
518283-9144 (T)
518283-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607773-1812 (T)
607773-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315236-4578 (T)
315236-1012 (F)

Elmira
2130 Route 352
Elmira, NY 14903
607737-0700 (T)
607737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518563-5878 (T)
518562-1321 (F)

Roughkeepsie
251 Upper North Road
Highland, NY 12528
845691-6098 (T)
845691-6099 (F)

Rochester
3493 Wilson Pike
Rochester, NY 14623
585427-9020 (T)
585427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315696-5281 (T)
315699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315735-3309 (T)
315735-0742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315786-7887 (T)
315786-2022 (F)

Project No.	Project Name	Date Collected	Turn-Around Time	Special Instructions	Sample Description	PLM	PLM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
PT5365	James O'Neill HS	3/21/18	12hr	Positive Stop Analysis	White textured paint	X				
	Common Heller	Page of 14	24hr	If negative by PLM-NOB, analyze by TEM-NOB	White textured paint	X				
	Highland Falls NY		48hr	Other	White textured paint	X				
PT5365A01A	Corridor D 1st floor A		72hr		White textured paint	X				
PT5365A01B	Rm 131				White textured paint	X				
PT5365A01C	Rm 124				White textured paint	X				
PT5365A01D	Corridor A 1st floor				White textured paint	X				
PT5365A01E	Rm 162				White textured paint	X				
PT5365A01F	Rm 170				White textured paint	X				
PT5365A01G	Rm 171				White textured paint	X				
PT5365A02A	Rm 235				Black threshold stone	X				
PT5365A02B	Rm 232				Black threshold stone	X				
PT5365A03A	Rm 135 CH 121				White TSE and plaster paper joint		X			
PT5365A03B	Rm 232 CH 124				White TSE and plaster paper joint		X			
PT5365A03C	Rm 232 CH 135				White TSE and plaster paper joint		X			
PT5365A04A	Rm 135				White TSE and plaster paper joint		X			
Sampler's Name:	Common Heller	Date:	3/21/18	Received at Laboratory (Name):		Date:		Shipment Rec'd Intact		
Sampler's Signature:	<i>Common Heller</i>	Time:	2100	Laboratory Signature:		Time:		□ YES □ NO		
Samples Relinquished By:										
Name:	Common Heller	Date:	3/21/18	Samples Received By:						
Signature:	<i>Common Heller</i>	Time:	1200	Name:	Felder	Date:	3/23/18			
Name:		Date:		Signature:	<i>[Signature]</i>	Time:	1200			
Signature:		Time:		Name:		Date:				
Name:		Date:		Signature:	<i>[Signature]</i>	Time:				
Signature:		Time:		Name:		Date:				
Name:		Date:		Signature:	<i>[Signature]</i>	Time:				
Signature:		Time:		Name:		Date:				

Think Quality



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19467

#21803410

Albany 22 Corporate Drive, Clifton Park, NY 12165
Binghamton 126 Park Avenue, Binghamton, NY 13903
Canton 6431 U.S. Highway 11, Canton, NY 13617
Elmira 2390 Route 352, Elmira, NY 14903
Plattsburgh 170 Arizona Ave, Plattsburgh, NY 12903
Poughkeepsie 251 Upper North Road, Highland, NY 12528
Rochester 3495 Wincon Place, Rochester, NY 14623
Syracuse 6085 Court Street Road, Syracuse, NY 13206
Utica 301 St. Anthony Street, Utica, NY 13501
Watertown 26581 NYS Route 283, Watertown, NY 13601

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution
PT5365	Town's Union, NY	3/21/18	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day <input checked="" type="checkbox"/> Positive Stop Analysis <input type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Send Reports To (ATL Office): PT ATL Contact: C 14211 Send Copy To: Email Results: A-m-r-s-i-p-t @atlantictesting.com
Field Sample No.	Sample Location	Turn-Around Time	Special Instructions	Analysis Requested
PT 5365A-E-04B	Rm 232			PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-04C	Rm 232A			PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-05A	Rm 135		white CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-05B	Rm 238		white CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-06A	Rm 135		white CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-06B	Rm 235		white CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-07A	Rm 135		grey CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-07B	Rm 235		grey CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-08A	Rm 135		grey CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-08B	Rm 235		grey CNT cement	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-09A	Rm 120		Brown Expansion Board	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-09B	Rm 222		Brown Expansion Board	PLM NOB X TEM NOB X MICRO -VAC
PT 5365A-E-10A	Corridor 6 1st Floor A		yellow concrete base	PLM NOB X TEM NOB X MICRO -VAC
Sampler's Name:	Sampler's Signature:	Date:	Received at Laboratory (Name):	Shipment Rec'd Intact
Cameron Hill	<i>[Signature]</i>	3/21/18	Laboratory Signature:	<input type="checkbox"/> YES <input type="checkbox"/> NO
		Time: 2:00		
Samples Relinquished By:		Samples Received By:		Field and Laboratory Remarks:
Name: Cameron Hill	Name: Fedea	Date: 3/23/18	Date: 3/23/18	
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Time: 12:00	Time: 12:00	
Name:	Name:	Date:	Date:	
Signature:	Signature:	Time: 1:30	Time: 1:30	

Think Quality

NO. 19480

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

218034103

Albany 22 Corporate Drive, Clifton Park, NY 12065
Binghamton 126 Park Avenue, Binghamton, NY 13903
Canton 6431 U.S. Highway 11, Canton, NY 13617
Elmira 2330 Route 352, Elmira, NY 14903
Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903
Rochester 3495 Wilson Place, Rochester, NY 14623
Saratoga Springs 6085 Court Street Road, Saratoga Springs, NY 12304
Utica 301 St. Anthony Street, Utica, NY 13501
Watertown 26581 NYS Route 285, Watertown, NY 13601

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution				
PTS365	Janusville HS	3/21/18	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> Stay <input type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Send Reports To (ATL Office): PT ATL Contact: C-4111 Send Copy To: Email Results: Amensci.PT @atlantictesting.com				
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	MICRO-VAC	Laboratory Sample ID No.	
PT 5365AE 10B	Corridor C 1st Floor A	Yellow core base endpiece		X	X			
PT 5365AE 11A	white Rm 135	white cork		X	X			
PT 5365AE 11B	white Rm 165	white cork		X	X			
PT 5365AE 12A	Rm 135	white cork		X	X			
PT 5365AE 12B	Rm 165	white cork		X	X			
PT 5365AE 13A	Rm 131	light green core base		X	X			
PT 5365AE 13B	Rm 131	light green core base		X	X			
PT 5365AE 14A	Rm 131	tan endpiece		X	X			
PT 5365AE 14B	Rm 131	tan endpiece		X	X			
PT 5365AE 15A	Rm 128	gray/walk floor tile		X	X			
PT 5365AE 15B	Rm 125	gray/walk floor tile		X	X			
PT 5365AE 16A	Rm 126	yellow muslin		X	X			
PT 5365AE 16B	Rm 125	yellow muslin		X	X			
Sampler's Name:	Sampler's Signature:	Date:	Time:	Received at Laboratory (Name):	Laboratory Signature:	Date:	Time:	Shipment Rec'd Intact
	Canton Hiller	3/21/18	2100					<input type="checkbox"/> YES <input type="checkbox"/> NO
Samples Relinquished By:		Samples Received By:		Field and Laboratory Remarks:				
Name:	Signature:	Name:	Signature:					
Canton Hiller	Canton Hiller	Fed ex	Fed ex					
Date:	Time:	Date:	Time:					
3/21/18	1700	3/23/18	1200					
Name:	Signature:	Name:	Signature:					
Date:	Time:	Date:	Time:					

Think Quality

NO. 19479

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#218034103



Albany 22 Corporate Drive, Clifton Park, NY 12065, 518-943-5144 (T), 518-943-9166 (F)
Binghamton 126 Park Avenue, Binghamton, NY 13903, 607-733-1812 (T), 607-733-1833 (F)
Canton 6431 U.S. Highway 11, Canton, NY 13617, 315-296-4578 (T), 315-296-1012 (F)
Elmira 2330 Route 352, Elmira, NY 14905, 607-733-0700 (T), 607-733-0714 (F)
Plattsburgh 130 Armons Ave, Plattsburgh, NY 12903, 518-563-5878 (T), 518-562-1321 (F)
Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845-691-6098 (T), 845-691-6099 (F)
Rochester 3405 Wilson Place, Rochester, NY 14623, 585-427-9020 (T), 585-427-9021 (F)
Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315-699-5281 (T), 315-699-3374 (F)
Utica 301 St. Anthony Street, Utica, NY 13501, 315-733-3369 (T), 315-733-4042 (F)
Watertown 26581 NYS Route 283, Watertown, NY 13601, 315-786-7887 (T), 315-786-2022 (F)

Project No.	Project Name	Date Collected		Laboratory Instructions			Send Reports To (ATL Office):			Report Distribution					
		3/21/18	Page 4 of 19	Turn-Around-Time:	Special Instructions:	Sample Description	PLM	PLM-NOB	TEM-NOB	TRM-ONLY	MICRO-VAC	Laboratory Sample ID No.			
PT5365	James O'Neill HS	3/21/18	Page 4 of 19	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr	<input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	gray core base		X							
	Corvum Hill			<input checked="" type="checkbox"/> 5day <input type="checkbox"/>		gray core base		X							
	Highland Falls, NY					yellow asbestos		X							
						yellow asbestos		X							
						gray mortar		X							
						gray mortar		X							
						white gypsum		X							
						white gypsum		X							
						white sawdust		X							
						white sawdust		X							
						white joint compound		X							
						white joint compound		X							
						yellow carpet adhesive		X							
	Corvum Hill	3/21/18	2100												
	Corvum Hill														
	Corvum Hill	3/21/18	1200												
	Corvum Hill														

Think Quality



218034103

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19468

Albany 22 Commerce Drive, Clinton Park, NY 12065, 518285-9144 (T), 518283-9166 (F)

Binghamton 126 Park Avenue, Binghamton, NY 13903, 607773-1812 (T), 607773-1835 (F)

Canton 6431 U.S. Highway 11, Canton, NY 13617, 315286-4578 (T), 315286-1012 (F)

Elmira 2330 Route 352, Elmira, NY 14903, 607737-0700 (T), 607737-0714 (F)

Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518563-5878 (T), 518562-1321 (F)

Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845691-6094 (T), 845691-6099 (F)

Rochester 3405 Wilson Place, Rochester, NY 14623, 585427-9020 (T), 585427-9021 (F)

Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315699-5281 (T), 315699-5374 (F)

Utica 341 St. Anthony Street, Utica, NY 13501, 315735-3109 (T), 315735-0742 (F)

Watertown 26581 NYS Route 283, Watertown, NY 13601, 315786-7887 (T), 315786-2022 (F)

Project No.	Project Name	Date Collected	Page	Turn-Around Time	Special Instructions	Sample Description	PLM	PLM-NOB	TEM-NOB	MICRO-VAC	Laboratory Sample ID No.	
PTS368	Jones & Neill HS	3/21/18	9 of 14	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr	<input checked="" type="checkbox"/> Positive Stop Analysis <input type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Yellow Carpet outside						
	Highland Falls, NY					gray gypsum wall board	X					
						gray gypsum wall board	X					
						white joint compound	X					
						white joint compound	X					
						white seal tape	X					
						white seal tape	X					
						red floor tile		X				
						red floor tile		X				
						tan mastic		X				
						tan mastic		X				
						gray expansion cement		X				
						gray expansion cement		X				
	Common Hdr	3/21/18										
Sampler's Name: Carson Hdr		Date: 3/21/18	Received at Laboratory (Name):		Laboratory Signature:		Date: 5/23/18		Time: 12:01		Field and Laboratory Remarks:	
Sampler's Signature: Carson		Time: 12:01	Laboratory Signature:		Date: 3/21/18		Time: 12:01		Shipment Rec'd Intact: <input type="checkbox"/> YES <input type="checkbox"/> NO			
Name: Carson Hdr	Date: 3/21/18	Name: Carson Hdr	Samples Relinquished By:		Date: 3/21/18		Time: 12:01		Signature: Carson		Date: 5/23/18	
Signature: Carson	Time: 12:01	Signature: Carson	Samples Received By:		Date: 3/21/18		Time: 12:01		Signature: Carson		Time: 12:01	
Name: Carson	Date: 3/21/18	Name: Carson	Samples Relinquished By:		Date: 3/21/18		Time: 12:01		Signature: Carson		Date: 5/23/18	
Signature: Carson	Time: 12:01	Signature: Carson	Samples Received By:		Date: 3/21/18		Time: 12:01		Signature: Carson		Time: 12:01	

Think Quality



218034103

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19471

Albany
22 Corporate Drive
Canton, NY 12065
518/938-5144 (T)
518/938-9166 (F)

Binghamton
136 Park Avenue
Binghamton, NY 13903
607/735-1812 (T)
607/735-1833 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
518/586-4378 (T)
518/586-1012 (F)

Elmira
2130 Route 352
Elmira, NY 14903
607/735-6700 (T)
607/735-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/561-5828 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Winton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/499-5281 (T)
315/499-3374 (F)

Utica
301 S. Anthony Street
Utica, NY 13501
315/735-3298 (T)
315/735-0742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No. PT5365	Project Name James O'Neill; HS	Date Collected 3/21/18	Laboratory Instructions <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5 day <input type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> Negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other		Send Reports To (ATL Office): Poughkeepsie	Report Distribution Poughkeepsie		
Project Contact: Cameron Heller	Turn-Around-Time: 6 of 18	Special Instructions: Highland Falls, NY	ATL Contact: C. Heller	Send Copy To: Americucci	Enroll Results: Americucci	@atlantictesting.com		
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
PT 5365AI 30A	A124B	Yellow Carpet adhesive		X	X			
PT 5365AI 30B	A124B	Yellow Carpet adhesive		X	X			
PT 5365AI 31A	A120	Black ACUSH TIE	X	X	X			
PT 5365AI 31B	PA 11	Black ACUSH TIE	X	X	X			
PT 5365AI 32A	PA 120	Brown adhesive		X	X			
PT 5365AI 32B	PA 11	Brown adhesive		X	X			
PT 5365AI 33A	PA 123	Red Floor tile		X	X			
PT 5365AI 33B	PA 123	Red Floor tile		X	X			
PT 5365AI 34A	PA 123	Yellow mesh		X	X			
PT 5365AI 34B	PA 123	Yellow mesh		X	X			
PT 5365AI 35A	PA 244B	White Ceramic		X	X			
PT 5365AI 35B	PA 244B	White Ceramic		X	X			
PT 5365AI 36A	PA 250	Red Floor tile		X	X			
Sampler's Name: Cameron Heller	Date: 3/21/18	Received at Laboratory (Name):	Laboratory Signature: C. Heller		Date:	Time:	Shipment Rec'd Intact <input type="checkbox"/> YES <input type="checkbox"/> NO	
Sampler's Signature: C. Heller	Time: 2:00	Samples Received By:	Laboratory Signature:		Date:	Time:	Field and Laboratory Remarks:	
Name: Cameron Heller	Date: 3/21/18	Name: Fed rx	Signature:		Date: 3/21/18	Time: 12:00		
Signature: C. Heller	Time: 12:00	Signature:	Signature: K. Heller		Date: 3/21/18	Time: 1:00		
Name:	Date:	Name:	Signature:		Date:	Time:		
Signature:	Time:	Signature:	Signature:		Date:	Time:		

Think Quality



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19469

218034103

Albany 22 Corporate Drive, Clifton Park, NY 12165, 518/883-9144 (T), 518/883-9166 (F)
Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/733-1812 (T), 607/733-1835 (F)
Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)
Elmira 2330 Route 332, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)
Plattsburgh 100 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)
Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)
Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)
Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)
Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)
Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected	Turn-Around-Time	Laboratory Instructions	Send Reports To (ATL Office)	Report Distribution			
PT5365	JAMES O'NEILL HS	3/21/18	12hr	Positive Stop Analysis	PLM NOB	Poughkeepsie			
	Cameron Heller	Page 1 of 14	5day	If negative by PLM-NOB, analyze by TEM-NOB	TEM-NOB	C. Heller			
	HIGHLAND FALLS, NY					Americus			
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.	
PT 5365AE 36B	PK	Red Fiber Tiles			X				
PT 5365AE 37A	PM 123 Storage	Black Imper. pipe			X				
PT 5365AE 37B	PM 123 Storage	Black Imper. pipe	X		X				
PT 5365AE 38A	PM 222	White TSE							
PT 5365AE 38B	PM 222	White TSE							
PT 5365AE 34A	PM 222	Brown Fiber tile			X				
PT 5365AE 34B	PM 222	Brown Fiber tile			X				
PT 5365AE 40A	PM 222	Yellow mesh			X				
PT 5365AE 40B	PM 222	Yellow mesh			X				
PT 5365AE 41A	PM 222	Brown Cord Pipe			X				
PT 5365AE 41B	PM 222	Brown Cord Pipe			X				
PT 5365AE 42A	PM 222	Yellow Cord Pipe			X				
PT 5365AE 42B	PM 222	Yellow Cord Pipe			X				
Sampler's Name:	Cameron Heller	Date:	3/21/18	Time:	2100	Received at Laboratory (Name):			
Sampler's Signature:	<i>Cameron Heller</i>	Date:		Time:		Laboratory Signature:			
Name:	Cameron Heller	Date:	3/21/18	Time:	1200	Name:	Reddy	Date:	3/21/18
Signature:	<i>Cameron Heller</i>	Date:		Time:		Signature:	<i>Reddy</i>	Date:	1200
Name:		Date:		Time:		Name:	KROGER	Date:	3/21/18
Signature:		Date:		Time:		Signature:	<i>KROGER</i>	Date:	1308

Think Quality

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#218034103

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/983-9144 (T)
518/983-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/733-1812 (T)
607/733-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/886-4578 (T)
315/886-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12538
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Winson Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution
PT 5365	James O'Neill HS	3/21/18 Page 9 of 14	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> Friday <input type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> Negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Send Reports To (ATL Office): Poughkeepsie ATL Contact: C. Heller Send Copy To: Email Results: @atlantictesting.com
Field Sample No.	Sample Location	Sample Description	Analysis Requested	Laboratory Sample ID No.
PT 5365AI 42A	Rm 222	Core Base, Back	PLM X TEM-NOB X	
PT 5365AI 43B	Rm 222	Core Base, Back		
PT 5365AI 47A	Rm 222	Black lab tubes		
PT 5365AI 44D	Rm 214	Black lab tubes		
PT 5365AI 45A	Rm 220	Black bagged debris		
PT 5365AI 45B	Rm 214	Black Seam and debris		
PT 5365AI 46A	Rm 222	White marked fibers		
PT 5365AI 46B	Rm 220	White marked fibers		
PT 5365AI 46C	Rm 224	White marked fibers		
PT 5365AI 47A	Rm 222	Tan Cloth Jacket		
PT 5365AI 47B	Rm 222	Tan Cloth Jacket		
PT 5365AI 47C	Rm 224	Tan Cloth Jacket		
PT 5365AI 49A	Rm 216	bagged brown floor tile		
Sampler's Name:	Received at Laboratory (Name):	Date:	Date:	Shipment Rec'd Impact
Cameron Hill		3/21/18		<input type="checkbox"/> YES <input type="checkbox"/> NO
Sampler's Signature:	Laboratory Signature:	Time:	Time:	
<i>[Signature]</i>		2:00		
Samples Relinquished By:		Samples Received By:		
Cameron Hill	Fed ex	Date: 3/23/18	Date:	
<i>[Signature]</i>		12:00	Time:	
	<i>[Signature]</i>	Date: 3/21/18	Date:	
		12:00	Time:	

Think Quality



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19470

12 18034103

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/783-9144 (T)
518/783-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

Cancon
6431 U.S. Highway 11
Cancon, NY 13617
315/866-4578 (T)
315/866-1012 (F)

Elmira
2390 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-5978 (T)
518/562-4321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
495 Winnet Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13604
315/786-7887 (T)
315/786-3022 (F)

Project No.	Project Name	Date Collected	Turn-Around-Time	Special Instructions	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
PT5365	James O'Neill HS	3/21/18	12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/>		Light Brown Fiber Dile		X	X			
	Project Contact: <u>Carmen Heller</u>	Page <u>8</u> of <u>14</u>			Yellow mesh		X	X			
	Project Location: <u>Highland Falls, NY</u>				Red Fine Mesh		X	X			
					Red Fine Mesh		X	X			
					Red Fine Mesh		X	X			
					Black Coe Base		X	X			
					Black Coe Base		X	X			
					Yellow mesh		X	X			
					Yellow mesh		X	X			
					Light Brown Fiber Mesh		X	X			
					Light Brown Fiber Mesh		X	X			
					Yellow mesh		X	X			
					Yellow mesh		X	X			
	Sampler's Name: <u>Carmen Heller</u>	Date: <u>3/21/18</u>	Received at Laboratory (Name):		Date:	Shipment Rec'd Inact					
	Sampler's Signature: <u>CCH</u>	Time: <u>2:00</u>	Laboratory Signature:		Time:	Date:					
	Name: <u>Carmen Heller</u>	Date: <u>3/23/18</u>	Samples Relinquished By:		Date: <u>3/23/18</u>	Field and Laboratory Remarks:					
	Signature: <u>CCH</u>	Time: <u>12:00</u>	Name: <u>PHD EX</u>		Time: <u>12:00</u>						
	Name: <u>CCH</u>	Date: <u>3/21/18</u>	Signature: <u>[Signature]</u>		Time: <u>12:00</u>						
	Signature: <u>[Signature]</u>	Date: <u>3/21/18</u>	Name: <u>[Signature]</u>		Time: <u>12:00</u>						
	Name: <u>[Signature]</u>	Date: <u>3/21/18</u>	Signature: <u>[Signature]</u>		Time: <u>12:00</u>						
	Signature: <u>[Signature]</u>	Date: <u>3/21/18</u>	Name: <u>[Signature]</u>		Time: <u>12:00</u>						

Think Quality

NO. 19473

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

1218034103

Albany
22 Corporate Drive
Clinton Park, NY 12065
518783-9144 (T)
518783-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607733-1812 (T)
607733-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315386-4798 (T)
315386-1012 (F)

Elmira
2130 Rime, 352
Elmira, NY 14903
607737-4000 (T)
607737-0714 (F)

Plattsburgh
170 Arizona Ave
Plattsburgh, NY 12903
518563-3876 (T)
518562-1321 (F)

Rochester
3495 Winton Place
Rochester, NY 14623
585407-9020 (T)
585427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315698-5281 (T)
315699-3774 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315735-3369 (T)
315735-4742 (F)

Watertown
26581 NYS Route 281
Watertown, NY 13601
315786-7887 (T)
315786-2022 (F)

Project No.	Project Name	Date Collected	Page of	Turn-Around-Time	Laboratory Instructions	Send Reports To (ATL Office)	Send Copy To	Email Results	Report Distribution
PT 5365	James O'Neill HS	3/21/18	10 of 14	12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/>	<input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> AT negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	PT	C. H. H. H.	Amigle, PT	PT
Project Contact:	Carson Hite			Special Instructions:					
Project Location:	Highland Falls, NY								
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.	
PT 5365A1 S6A	Rm 318	Open Floor		X	X				
PT 5365A2 S6B	Rm 316	Open Floor		X	X				
PT 5365A3 S7A	Rm 318	Yellow mesh		X	X				
PT 5365A4 S7B	Rm 316	Yellow mesh		X	X				
PT 5365A5 S8A	Rm 316	Yellow mesh		X	X				
PT 5365A6 S8B	Rm 318	Yellow mesh		X	X				
PT 5365A7 S9A	Corridor C 1st Floor A	Dark green Cove Base		X	X				
PT 5365A8 S9B	Corridor C 1st Floor A	Dark green Cove Base		X	X				
PT 5365A9 S6A	Corridor C 1st Floor A	Open Floor		X	X				
PT 5365A10 S6B	Corridor C 1st Floor A	Open Floor		X	X				
PT 5365A11 S6A	Corridor C 1st Floor A	Yellow mesh		X	X				
PT 5365A12 S6B	Corridor C 1st Floor A	Yellow mesh		X	X				
PT 5365A13 S6A	Rm 174	Open gypsum Board		X	X				
Sampler's Name:	Carson Hite	Received at Laboratory (Name):							
Sampler's Signature:	CH	Laboratory Signature:							
Date:	3/21/18	Date:							
Time:	2100	Time:							
Samples Relinquished By:		Samples Received By:		Laboratory Remarks:		Field and Laboratory Remarks:			
Name:	Carson Hite	Name:	Red et	Date:	3/22/18				
Signature:	CH	Signature:		Time:	1200				
Name:		Name:		Date:	3/24/18				
Signature:		Signature:		Time:	1308				

Think Quality

NO. 19474

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD



218034103

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/983-9144 (T)
518/983-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/733-1812 (T)
607/733-1833 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/586-4578 (T)
315/586-1012 (F)

Elmira
2310 Route 332
Elmira, NY 14903
607/737-0900 (T)
607/737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-5876 (T)
518/562-1321 (F)

Roughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Winston Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6482 Court Street Road
Syracuse, NY 13206
315/469-3281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/731-3369 (T)
315/731-4942 (F)

Watertown
25381 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-5022 (F)

Project No. PT-5365	Project Name James Connelly HS	Date Collected 3/21/18 Page 10 of 14	Laboratory Instructions <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day <input type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> At negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other		Send Reports To (ATL Office): PT	Report Distribution PT
Project Contact Corina Hill	Turn-Around-Time	Special Instructions	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC
Project Location Highland Falls, NY	Sample Location	Sample Description	PLM	TEM-NOB	TEM-ONLY	MICRO-VAC
Field Sample No.						
PT 5365AF62B	Rm 1G3	gray expansion joint	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF63A	Rm 202	green rubber flooring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF63B	Rm 202	green rubber flooring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF64A	Rm 202	yellow adhesive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF64B	Rm 202	yellow adhesive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF65A	Rm 202A	black HVAC expansion pipe bulk	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF65B	Rm 202A	black HVAC expansion pipe bulk	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF66A	Rm 202A	black expansion joint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF66B	Rm 202A	black expansion joint	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF67A	Rm 202A	gray HVAC coil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF67B	Rm 202A	gray HVAC coil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF68A	Rm 250	white floor tile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PT 5365AF68B	Rm 250	white floor tile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's Name Corina Hill	Received at Laboratory (Name):	Laboratory Signature:	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC
Sampler's Signature: CC-12	Date: 3/21/18	Time: 2:00				
Samples Relinquished By: Corina Hill		Samples Received By: Fed up		Field and Laboratory Remarks:		Shipment Rec'd Intact <input type="checkbox"/> YES <input type="checkbox"/> NO
Name: Corina Hill	Date: 3/21/18	Name: Fed up	Date: 3/21/18	Time: 2:00		
Signature: [Signature]	Time: 2:00	Signature:	Time:	Date: 3/24/18		
Name:	Date:	Name:	Date:	Time: 12:08		
Signature:	Time:	Signature:	Time:			

Think Quality

NO. 19475

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#218034103

Albany 22 Corporate Drive, Clifton Park, NY 12065
Binghamton 126 Park Avenue, Binghamton, NY 13903
Canton 6431 U.S. Highway 11, Canton, NY 13617
Elmira 2330 Route 352, Elmira, NY 14903
Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903
Poughkeepsie 251 Upper North Road, Highland, NY 12528
Rochester 3495 Winton Place, Rochester, NY 14623
Syracuse 6085 Court Street Road, Syracuse, NY 13206
Utica 301 S. Anthony Street, Utica, NY 13501
Watertown 26581 NYS Route 283, Watertown, NY 13601

Project No.	Project Name	Date Collected	Turn-Around-Time	Laboratory Instructions	Report Distribution			
PT5365	James O'Neill W	3/21/18	12hr	Positive Stop Analysis	Send Reports To: Poughkeepsie			
	Cameron Heller	Page 12/18	24hr	negative by PLM-NOB, analyze by TEM-NOB	ATL Contact: C Heller			
	Highland Falls, NY		48hr		Send Copy To:			
			72hr		Email Results: @atlantictesting.com			
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
PT5365A169A	Rm 258	yellow residue		X	X			
PT5365A169B	Rm 258	yellow residue		X	X			
PT5365A170A	Rm 258C	Tan CWT grease	X					
PT5365A170B	Rm 252B	Tan CWT grease	X					
PT5365A171A	Rm 255C	gray CWT residue	X					
PT5365A171B	Rm 255D	gray CWT residue	X					
PT5365A172A	Rm 264B	gray Floor mat		X	X			
PT5365A172B	Rm 254A	gray Floor mat		X	X			
PT5365A173A	Rm 245B	Brown CFT grease	X					
PT5365A173B	Rm 165	Brown CFT grease	X					
PT5365A174A	Rm 251AB	gray CFT marker bag	X					
PT5365A174B	Rm 165	gray CFT marker bag	X					
PT5365A175A	Rm 252B	Tan Textured paper		X	X			
Sampler's Name:	Cameron Heller	Date:	3/21/18	Received at Laboratory (Name):		Date:		Shipment Rec'd Intact
Sampler's Signature:	<i>Cameron Heller</i>	Time:	2:00	Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO
Name:	Cameron Heller	Date:	3/21/18	Field and Laboratory Remarks:				
Signature:	<i>Cameron Heller</i>	Time:	13:00					
Name:		Date:						
Signature:		Time:						

Think Quality

NO. 19476

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD



218034103

Albany
22 Corporate Drive
Clifton Park, NY 12065
518783-9144 (T)
518783-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607773-1812 (T)
607773-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315786-4578 (T)
315786-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607737-0700 (T)
607737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518563-3876 (T)
518562-1321 (F)

Rochester
3495 Wilton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Syracuse
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-4749 (F)

Watertown
26581 NY's Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-3022 (F)

Project No.	Project Name	Date Collected	Turn-Around Time	Laboratory Instructions	Report Distribution			
PT5365	James O'Neill HW	3/21/18 Page 13 of 14	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr	<input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> Negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Send Reports To (ATL Office): ATL Contact: Send Copy To: Email Results: @atlantictesting.com			
	Cameron Heller Highland Falls, NY							
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
PT5365AI7SB	Rm 258B	Tan textured paint		X	X			
PT5365AI7SC	Rm 242	Tan textured paint		X	X			
PT5365AI7SD	Rm 251A	Tan textured paint		X	X			
PT5365AI7SE	Rm 240	Tan textured paint		X	X			
PT5365AI76A	Rm 242	Tan wall/ceiling component	X					
PT5365AI76B	Rm 242	Tan wall/ceiling component	X					
PT5365AI77A	Rm 256	peach floor tile		X	X			
PT5365AI77B	Rm 256	peach floor tile		X	X			
PT5365AI78A	Rm 256	yellow mesh		X	X			
PT5365AI78B	Rm 256	yellow mesh		X	X			
PT5365AI79A	Rm 256	red floor tile		X	X			
PT5365AI79B	Rm 256	red floor tile		X	X			
PT5365AI80A	Corridor 2nd Floor A	gray floor tile		X	X			
Sampler's Name:	Cameron Heller	Date:	3/21/18	Received at Laboratory (Name):		Date:		Shipment Rec'd Intact
Sampler's Signature:	Cameron Heller	Time:	2:00	Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO
Samples Relinquished By:		Samples Received By:		Field and Laboratory Remarks:				
Name:	Cameron Heller	Date:	3/21/18	Name:	Felix	Date:	3/21/18	
Signature:	Cameron Heller	Time:	12:00	Signature:	[Signature]	Time:	13:08	
Name:		Date:		Name:		Date:		
Signature:		Time:		Signature:		Time:		

Think Quality

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

1218034103



Watertown
26581 NYS Route 283
Watertown, NY 13601
315786-7887 (T)
315786-2022 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315735-3309 (T)
315735-0742 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315699-5281 (T)
315699-3374 (F)

Rochester
3495 Wilson Place
Rochester, NY 14623
585427-9020 (T)
585427-9021 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845691-6098 (T)
845691-6099 (F)

Plattsburgh
130 Arizona Ave.
Plattsburgh, NY 12903
518263-5878 (T)
518262-1331 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607737-0700 (T)
607737-0714 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315386-4578 (T)
315386-1012 (F)

Ricehampton
126 Park Avenue
Binghamton, NY 13903
607773-1812 (T)
607773-1835 (F)

Albany
22 Corporate Drive
Chilton Park, NY 12045
518263-9164 (T)
518263-9166 (F)

Project No.		Project Name		Date Collected		Laboratory Instructions		Report Distribution	
PT5365		James O'Neil HJ		3/21/18 Page 19 of 19		<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> Day <input type="checkbox"/> Night <input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> Negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other		Send Reports To (ATL Office): <u>Roughkeepsie</u> ATL Contact: <u>C. Heller</u> Send Copy To: Email Results: <u>AMERISCI @atlantic-testing.com</u>	
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.	Shipment Rec'd Intact
PT 5365A180B	Corridor D 2nd Floor A	grey fibrous		X	X				<input type="checkbox"/> YES <input type="checkbox"/> NO
PT 5365A181A	Corridor D 2nd Floor A	yellow m-s-m-c		X	X				
PT 5365A181B	Corridor D 2nd Floor A	yellow m-s-m-c		X	X				
PT 5365A182A	Corridor D 3rd Floor A	peach fibrous		X	X				
PT 5365A182B	Corridor D 3rd Floor A	peach fibrous		X	X				
PT 5365A183A	Corridor D 3rd Floor A	yellow m-s-m-c		X	X				
PT 5365A183B	Corridor B 3rd Floor A	yellow m-s-m-c		X	X				
Sampler's Name: <u>Cameron HJH</u>		Received at Laboratory (Name):		Date: <u>3/21/18</u>		Laboratory Signature:		Date: _____ Time: _____	
Sampler's Signature: <u>CHW</u>		Laboratory Signature:		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Name: <u>Cameron HJH</u>		Name: <u>Redner</u>		Date: <u>3/23/18</u>		Date: _____ Time: _____		Date: _____ Time: _____	
Signature: <u>CHW</u>		Signature: <u>[Signature]</u>		Time: <u>12:00</u>		Time: _____		Time: _____	
Name: _____		Name: _____		Date: <u>3/21/18</u>		Date: _____ Time: _____		Date: _____ Time: _____	
Signature: _____		Signature: _____		Time: <u>13:00</u>		Time: _____		Time: _____	

Think Quality



AmeriSci New York

117 EAST 30TH ST.
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Cameron Heller
P.O. Box 29

Canton, NY 13617

Date Received 04/25/18 **AmeriSci Job #** 218043972
Date Examined 04/25/18 **P.O. #** 19466
ELAP # 11480 **Page** 1 of 2
RE: PT5364; James I O'Neil HS; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5365AI38C 38	218043972-01 Location: Rm 222 - White TSI	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/25/18
Analyst Description: Silver/Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass 15 %, Non-fibrous 75 %			
PT5365AI46D 46	218043972-02 Location: Rm 224 - White Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/25/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 20 %, Non-fibrous 80 %			
PT5365AI46E 46	218043972-03 Location: Rm 224 - White Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/25/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 20 %, Non-fibrous 80 %			
PT5365AI46F 46	218043972-04 Location: Rm 220 - White Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/25/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
PT5365AI46G 46	218043972-05 Location: Rm 220 - White Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Bo Sun on 04/25/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 15 %, Non-fibrous 85 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James I O'Neil HS; Highland Falls, NY

Reporting Notes:

Analyzed by: Bo Sun Bo Sun

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop. (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19466

Waterside
26581 NYS Route 283
Waterside, NY 13603
315/786-7887 (T)
315/786-2022 (F)

Ulica
301 S. Anthony Street
Ulica, NY 13501
315/735-3309 (T)
315/735-1042 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-3281 (T)
315/699-3374 (F)

Rochester
3485 Wilson Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

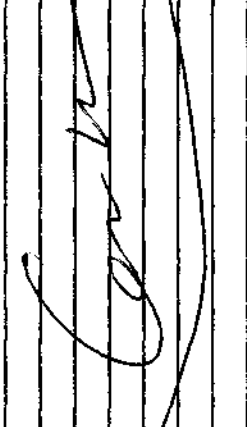
Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-8878 (T)
518/562-1321 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1032 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/283-9144 (T)
518/283-9166 (F)

Project No. PTS364	Project Name James S. O'Neill HS	Date Collected 4/24/18	Laboratory Instructions 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input checked="" type="checkbox"/> 72hr <input type="checkbox"/> 5day <input type="checkbox"/>	Send Reports To (ATL Office): Poughkeepsie (PT)	Report Distribution C. H. He
Project Contact: Cameron Helm	Turn-Around Time:	Special Instructions:	ATL Contact: C. H. He	ATL Contact: C. H. He	Send Copy To:
Project Location: Highland Falls, NY	Sample Location	Sample Description	PLM-NOB	TEM-NOB	TEM-ONLY
Field Sample No.	Sample Location	Sample Description	PLM-NOB	TEM-NOB	TEM-ONLY
PT 336SAE38C	Rm 222	White TSI	X		
PT 336SAE46D	Rm 224	White multi fitting	X		
PT 336SAE46E	Rm 224	White multi fitting	X		
PT 336SAE46F	Rm 220	White multi fitting	X		
PT 336SAE46G	Rm 220	White multi fitting	X		
					
Sampler's Name: Cameron Helm	Date: 4/24/18	Time: 17:30	Received at Laboratory (Name):	Date:	Time:
Sampler's Signature: C. H.			Laboratory Signature:		
Name: Cameron Helm	Date: 4/24/18	Signature:	Samples Received By:	Date: 4/25/18	Time: 0950
Signature: C. H.	Time: 1800	Signature:		Date:	Time:
Name:	Date:	Signature:		Date:	Time:
Signature:	Date:	Signature:		Date:	Time:
Field and Laboratory Remarks:					
<p style="text-align: right;">#218043972</p>					
Shipment Rec'd Intact <input type="checkbox"/> YES <input type="checkbox"/> NO					

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

drive:Forms\Environmental\FieldForms\Asbestos Bulk Sample Chain-of-Custody Record rev 4: 02/14
ENV-001A



AmeriSci New York

117 EAST 30TH ST.

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Cameron Heller
P.O. Box 29
Canton, NY 13617

Date Received 06/26/18 **AmeriSci Job #** 218065067
Date Examined 06/27/18 **P.O. #** 19522-19530
ELAP # 11480 **Page** 1 of 19
RE: PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI84A 84	218065067-01 Location: Rm 254 - Tan Wood Putty	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.5 %			
PT5364AI84B 84	218065067-02 Location: Rm 254 - Tan Wood Putty	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.8 %			
PT5364AI85A 85	218065067-03 Location: Rm 254 - Gray Door Caulk	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Grey, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous Talc Trace, Non-fibrous 4.7 %			
PT5364AI85B 85	218065067-04 Location: Rm 254 - Gray Door Caulk	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Grey, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4 %			
PT5364AI86A 86	218065067-05 Location: Rm 254 - White Tectum Board	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 70 %, Non-fibrous 30 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI86B 86	218065067-06 Location: Rm 254 - White Tectum Board	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 65 %, Non-fibrous 35 %			
PT5364AI87A 87	218065067-07 Location: Rm 256 - White/Black HVAC Duct Insulation Backing	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Silver/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 25 %, Fibrous glass 30 %, Non-fibrous 45 %			
PT5364AI87B 87	218065067-08 Location: Rm 256 - White/Black HVAC Duct Insulation Backing	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Silver/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 35 %, Fibrous glass 20 %, Non-fibrous 45 %			
PT5364AI87C 87	218065067-09 Location: Rm 252 - White/Black HVAC Duct Insulation Backing	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Silver/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 35 %, Fibrous glass 25 %, Non-fibrous 40 %			
PT5364AI88A 88	218065067-10 Location: Rm 250B - Gray CFT Mortar	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey/Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI88B 88	218065067-11 Location: Rm 250B - Gray CFT Mortar	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey/Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI89A 89	218065067-12 Location: Rm 250B - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI89B 89	218065067-13 Location: Rm 250B - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI90A 90	218065067-14 Location: Rm 250C - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI90B 90	218065067-15 Location: Rm 250C - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI91A 91	218065067-16 Location: Rm 250C - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI91B 91	218065067-17 Location: Rm 250C - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI92A 92	218065067-18 Location: Rm 252 - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI92B 92	218065067-19 Location: Rm 252 - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI93A 93	218065067-20 Location: Rm 252 - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI93B 93	218065067-21 Location: Rm 252 - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI94A 94	218065067-22 Location: Stairwell 5-2 - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI94B 94	218065067-23 Location: Stairwell 5-2 - Gray CFT Grout	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI95A 95	218065067-24 Location: Stairwell 5-2 - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI95B 95	218065067-25 Location: Stairwell 5-2 - Gray CFT Thinset	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI96A 96	218065067-26 Location: Rm 170 - White Gypsum Board	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
PT5364AI96B 96	218065067-27 Location: Rm 170 - White Gypsum Board	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 70 %, Non-fibrous 30 %			
PT5364AI97A 97	218065067-28 Location: Rm 170 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI97B 97	218065067-29 Location: Rm 170 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI98A 98	218065067-30 Location: Rm 170 - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 5 %, Fibrous glass 60 %, Non-fibrous 35 %			
PT5364AI98B 98	218065067-31 Location: Rm 170 - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass 60 %, Non-fibrous 30 %			
PT5364AI99A 99	218065067-32 Location: Rm 170A - White Mudded Fitting Cloth Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			
PT5364AI99B 99	218065067-33 Location: Rm 170A - White Mudded Fitting Cloth Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Fibrous glass Trace, Non-fibrous 25 %			
PT5364AI99C 99	218065067-34 Location: Rm 170A - White Mudded Fitting Cloth Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			
PT5364AI100A 100	218065067-35 Location: Rm 170A - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10 %, Non-fibrous 90 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI100B 100	218065067-36 Location: Rm 170A - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 15 %, Non-fibrous 85 %			
PT5364AI100C 100	218065067-37 Location: Rm 170A - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 8 %, Non-fibrous 92 %			
PT5364AI101A 101	218065067-38 Location: Rm 166 - White TSI Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 85 %, Non-fibrous 15 %			
PT5364AI101B 101	218065067-39 Location: Rm 166 - White TSI Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
PT5364AI101C 101	218065067-40 Location: Rm 166 - White TSI Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 75 %, Non-fibrous 25 %			
PT5364AI102A 102	218065067-41 Location: Rm 166 - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 5 %, Non-fibrous 95 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI102B 102	218065067-42 Location: Rm 166 - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 7 %, Non-fibrous 93 %			
PT5364AI102C 102	218065067-43 Location: Rm 166 - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10 %, Non-fibrous 90 %			
PT5364AI103A 103	218065067-44 Location: Rm 109 - White Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.5 %			
PT5364AI103B 103	218065067-45 Location: Rm 109 - White Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.5 %			
PT5364AI104A 104	218065067-46 Location: Rm 109 - Purple/White Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.4 %			
PT5364AI104B 104	218065067-47 Location: Rm 109 - Purple/White Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 13.4 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI105A 105	218065067-48 Location: Rm 109 - Brown Mastic	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 41.9 %			
PT5364AI105B 105	218065067-49 Location: Rm 109 - Brown Mastic	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 38.2 %			
PT5364AI106A 106	218065067-50 Location: Rm 235A - White TSI Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			
PT5364AI106B 106	218065067-51 Location: Rm 235A - White TSI Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			
PT5364AI106C 106	218065067-52 Location: Rm 235A - White TSI Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Fibrous glass Trace, Non-fibrous 25 %			
PT5364AI107A 107	218065067-53 Location: Rm 235A - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10 %, Non-fibrous 90 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI107B 107	218065067-54 Location: Rm 235A - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige/Tan, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 7 %, Non-fibrous 93 %			
PT5364AI107C 107	218065067-55 Location: Rm 235A - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10 %, Non-fibrous 90 %			
PT5364AI108A 108	218065067-56 Location: Rm 314 - White Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 90 %, Non-fibrous 10 %			
PT5364AI108B 108	218065067-57 Location: Rm 320 - White Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			
PT5364AI108C 108	218065067-58 Location: Rm 320 - White Mudded Fitting Jacket	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: OffWhite/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 97 %, Non-fibrous 3 %			
PT5364AI109A 109	218065067-59 Location: Rm 314 - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 15 %, Non-fibrous 85 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI109B 109	218065067-60 Location: Rm 320 - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 15 %, Non-fibrous 85 %			
PT5364AI109C 109	218065067-61 Location: Rm 320 - White TSI Mudded Fitting	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10 %, Non-fibrous 90 %			
PT5364AI110A 110	218065067-62 Location: Rm 110 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.4 %			
PT5364AI110B 110	218065067-63 Location: Rm 110 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 31.6 %			
PT5364AI111A 111	218065067-64 Location: Rm 111 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 31.4 %			
PT5364AI111B 111	218065067-65 Location: Rm 111 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 41.3 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI112A 112	218065067-66 Location: Rm 170 - White W/ Black Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 15.3 %			
PT5364AI112B 112	218065067-67 Location: Rm 170 - White W/ Black Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 18.9 %			
PT5364AI113A 113	218065067-68 Location: Rm 170 - Brown Mastic	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 23.9 %			
PT5364AI113B 113	218065067-69 Location: Rm 170 - Brown Mastic	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 26.9 %			
PT5364AI114A 114	218065067-70 Location: Rm 163 - White Ceiling Tiles	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 51.1 %			
PT5364AI114B 114	218065067-71 Location: Rm 163 - White Ceiling Tiles	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 43 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI115A 115	218065067-72 Location: Rm 163 - Gray Gypsum Wall Board	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15 %, Non-fibrous 85 %			
PT5364AI115B 115	218065067-73 Location: Rm 163 - Gray Gypsum Wall Board	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Non-fibrous 90 %			
PT5364AI116A 116	218065067-74 Location: Rm 163 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI116B 116	218065067-75 Location: Rm 163 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI117A 117	218065067-76 Location: Rm 163 - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Cream, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 97 %, Non-fibrous 3 %			
PT5364AI117B 117	218065067-77 Location: Rm 163 - White Seam Tape	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Cream, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI118A 118	218065067-78 Location: Corridor G-2 - Brown Brick Mortar	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Red/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI118B 118	218065067-79 Location: Corridor G-2 - Brown Brick Mortar	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Red/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI119A 119	218065067-80 Location: Corridor G-2 - White Brick Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 11.9 %			
PT5364AI119B 119	218065067-81 Location: Corridor G-2 - White Brick Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8.1 %			
PT5364AI120A 120	218065067-82 Location: Rm 170A - Brown Fire Stop	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 11.2 %			
PT5364AI120B 120	218065067-83 Location: Rm 170A - Brown Fire Stop	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 12.6 %			

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI121A 121	218065067-84 Location: Rm 111 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 34.2 %			
PT5364AI121B 121	218065067-85 Location: Rm 111 - Yellow Carpet Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 37.7 %			
PT5364AI122A 122	218065067-86 Location: Rm 111 - Red 4-Inch Cove Base	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 0.5 %			
PT5364AI122B 122	218065067-87 Location: Rm 111 - Red 4-Inch Cove Base	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.2 %			
PT5364AI123A 123	218065067-88 Location: Rm 111 - Tan Cove Base Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.7 %			
PT5364AI123B 123	218065067-89 Location: Rm 111 - Tan Cove Base Adhesive	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 9.7 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI124A 124	218065067-90 Location: Rm 170 - Tan Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 15.8 %			
PT5364AI124B 124	218065067-91 Location: Rm 170 - Tan Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 17.7 %			
PT5364AI125A 125	218065067-92 Location: Rm 170 - Gray Mastic	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.6 %			
PT5364AI125B 125	218065067-93 Location: Rm 170 - Gray Mastic	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.3 %			
PT5364AI126A 126	218065067-94 Location: Rm 179 - White Ceiling Tiles	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 26.4 %			
PT5364AI126B 126	218065067-95 Location: Rm 179 - White Ceiling Tiles	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 33.7 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI127A 127	218065067-96 Location: Rm 164 - White HVAC Caulk	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.7 %			
PT5364AI127B 127	218065067-97 Location: Rm 164 - White HVAC Caulk	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.2 %			
PT5364AI128A 128	218065067-98 Location: Rm 312 - Black Countertop	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Dark Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5364AI128B 128	218065067-99 Location: Rm 312 - Black Countertop	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Dark Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
PT5364AI129A 129	218065067-100 Location: Rm 312 - Brown Countertop Seam Adhesive	Yes	4.1 % (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 4.1 %			
Other Material: Non-fibrous 34.7 %			
PT5364AI129B 129	218065067-101 Location: Rm 312 - Brown Countertop Seam Adhesive		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI130A 130	218065067-102 Location: Rm 312 - Black Backstep Adhesive	Yes	3.7 % (by NYS ELAP 198.6) by Valeriu Voicu on 06/27/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 3.7 %			
Other Material: Non-fibrous 32 %			
PT5364AI130B 130	218065067-103 Location: Rm 312 - Black Backstep Adhesive		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
PT5364AI131A 131	218065067-104 Location: Exterior - Tan/Gray Stucco	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI131B 131	218065067-105 Location: Exterior - Tan/Gray Stucco	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI131C 131	218065067-106 Location: Exterior - Tan/Gray Stucco	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI131D 131	218065067-107 Location: Exterior - Tan/Gray Stucco	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			

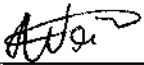
Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5364; James O'Neill High School; Highland Falls, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5364AI131E 131 Location: Exterior - Tan/Gray Stucco	218065067-108	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI131F 131 Location: Exterior - Tan/Gray Stucco	218065067-109	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			
PT5364AI131G 131 Location: Exterior - Tan/Gray Stucco	218065067-110	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 06/27/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 %			

Reporting Notes:

Analyzed by: Valeriu Voicu 

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop. (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	PT5364A184A	84	0.178	7.9	87.6	4.5	NAD	NAD
Location: Rm 254 - Tan Wood Putty								
02	PT5364A184B	84	0.230	8.3	87.0	4.8	NAD	NAD
Location: Rm 254 - Tan Wood Putty								
03	PT5364A185A	85	0.360	28.3	66.9	4.7	NAD	NAD
Location: Rm 254 - Gray Door Caulk								
04	PT5364A185B	85	0.176	25.6	70.5	4.0	NAD	NAD
Location: Rm 254 - Gray Door Caulk								
05	PT5364A186A	86	---	---	---	---	NAD	NA
Location: Rm 254 - White Tectum Board								
06	PT5364A186B	86	---	---	---	---	NAD	NA
Location: Rm 254 - White Tectum Board								
07	PT5364A187A	87	---	---	---	---	NAD	NA
Location: Rm 256 - White/Black HVAC Duct Insulation Backing								
08	PT5364A187B	87	---	---	---	---	NAD	NA
Location: Rm 256 - White/Black HVAC Duct Insulation Backing								
09	PT5364A187C	87	---	---	---	---	NAD	NA
Location: Rm 252 - White/Black HVAC Duct Insulation Backing								
10	PT5364A188A	88	---	---	---	---	NAD	NA
Location: Rm 250B - Gray CFT Mortar								
11	PT5364A188B	88	---	---	---	---	NAD	NA
Location: Rm 250B - Gray CFT Mortar								
12	PT5364A189A	89	---	---	---	---	NAD	NA
Location: Rm 250B - Gray CFT Thinsit								
13	PT5364A189B	89	---	---	---	---	NAD	NA
Location: Rm 250B - Gray CFT Thinsit								
14	PT5364A190A	90	---	---	---	---	NAD	NA
Location: Rm 250C - Gray CFT Grout								
15	PT5364A190B	90	---	---	---	---	NAD	NA
Location: Rm 250C - Gray CFT Grout								
16	PT5364A191A	91	---	---	---	---	NAD	NA
Location: Rm 250C - Gray CFT Thinsit								

See Reporting notes on last page

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	PT5364AI91B	91	---	---	---	---	NAD	NA
Location: Rm 250C - Gray CFT Thinset								
18	PT5364AI92A	92	---	---	---	---	NAD	NA
Location: Rm 252 - Gray CFT Grout								
19	PT5364AI92B	92	---	---	---	---	NAD	NA
Location: Rm 252 - Gray CFT Grout								
20	PT5364AI93A	93	---	---	---	---	NAD	NA
Location: Rm 252 - Gray CFT Thinset								
21	PT5364AI93B	93	---	---	---	---	NAD	NA
Location: Rm 252 - Gray CFT Thinset								
22	PT5364AI94A	94	---	---	---	---	NAD	NA
Location: Stairwell 5-2 - Gray CFT Grout								
23	PT5364AI94B	94	---	---	---	---	NAD	NA
Location: Stairwell 5-2 - Gray CFT Grout								
24	PT5364AI95A	95	---	---	---	---	NAD	NA
Location: Stairwell 5-2 - Gray CFT Thinset								
25	PT5364AI95B	95	---	---	---	---	NAD	NA
Location: Stairwell 5-2 - Gray CFT Thinset								
26	PT5364AI96A	96	---	---	---	---	NAD	NA
Location: Rm 170 - White Gypsum Board								
27	PT5364AI96B	96	---	---	---	---	NAD	NA
Location: Rm 170 - White Gypsum Board								
28	PT5364AI97A	97	---	---	---	---	NAD	NA
Location: Rm 170 - White Joint Compound								
29	PT5364AI97B	97	---	---	---	---	NAD	NA
Location: Rm 170 - White Joint Compound								
30	PT5364AI98A	98	---	---	---	---	NAD	NA
Location: Rm 170 - White Seam Tape								
31	PT5364AI98B	98	---	---	---	---	NAD	NA
Location: Rm 170 - White Seam Tape								
32	PT5364AI99A	99	---	---	---	---	NAD	NA
Location: Rm 170A - White Mudded Fitting Cloth Jacket								

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	PT5364A199B	99	---	---	---	---	NAD	NA
Location:	Rm 170A - White Mudded Fitting Cloth Jacket							
34	PT5364A199C	99	---	---	---	---	NAD	NA
Location:	Rm 170A - White Mudded Fitting Cloth Jacket							
35	PT5364A1100A	100	---	---	---	---	NAD	NA
Location:	Rm 170A - White TSI Mudded Fitting							
36	PT5364A1100B	100	---	---	---	---	NAD	NA
Location:	Rm 170A - White TSI Mudded Fitting							
37	PT5364A1100C	100	---	---	---	---	NAD	NA
Location:	Rm 170A - White TSI Mudded Fitting							
38	PT5364A1101A	101	---	---	---	---	NAD	NA
Location:	Rm 166 - White TSI Mudded Fitting Jacket							
39	PT5364A1101B	101	---	---	---	---	NAD	NA
Location:	Rm 166 - White TSI Mudded Fitting Jacket							
40	PT5364A1101C	101	---	---	---	---	NAD	NA
Location:	Rm 166 - White TSI Mudded Fitting Jacket							
41	PT5364A1102A	102	---	---	---	---	NAD	NA
Location:	Rm 166 - White TSI Mudded Fitting							
42	PT5364A1102B	102	---	---	---	---	NAD	NA
Location:	Rm 166 - White TSI Mudded Fitting							
43	PT5364A1102C	102	---	---	---	---	NAD	NA
Location:	Rm 166 - White TSI Mudded Fitting							
44	PT5364A1103A	103	0.282	15.2	81.2	3.5	NAD	NAD
Location:	Rm 109 - White Floor Tile							
45	PT5364A1103B	103	0.224	12.9	82.6	4.5	NAD	NAD
Location:	Rm 109 - White Floor Tile							
46	PT5364A1104A	104	0.270	18.1	61.5	20.4	NAD	NAD
Location:	Rm 109 - Purple/White Floor Tile							
47	PT5364A1104B	104	0.247	14.2	72.5	13.4	NAD	NAD
Location:	Rm 109 - Purple/White Floor Tile							
48	PT5364A1105A	105	0.258	45.3	12.8	41.9	NAD	NAD
Location:	Rm 109 - Brown Mastic							

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	PT5364AI105B	105	0.199	52.8	9.0	38.2	NAD	NAD
Location: Rm 109 - Brown Mastic								
50	PT5364AI106A	106	---	---	---	---	NAD	NA
Location: Rm 235A - White TSI Mudded Fitting Jacket								
51	PT5364AI106B	106	---	---	---	---	NAD	NA
Location: Rm 235A - White TSI Mudded Fitting Jacket								
52	PT5364AI106C	106	---	---	---	---	NAD	NA
Location: Rm 235A - White TSI Mudded Fitting Jacket								
53	PT5364AI107A	107	---	---	---	---	NAD	NA
Location: Rm 235A - White TSI Mudded Fitting								
54	PT5364AI107B	107	---	---	---	---	NAD	NA
Location: Rm 235A - White TSI Mudded Fitting								
55	PT5364AI107C	107	---	---	---	---	NAD	NA
Location: Rm 235A - White TSI Mudded Fitting								
56	PT5364AI108A	108	---	---	---	---	NAD	NA
Location: Rm 314 - White Mudded Fitting Jacket								
57	PT5364AI108B	108	---	---	---	---	NAD	NA
Location: Rm 320 - White Mudded Fitting Jacket								
58	PT5364AI108C	108	---	---	---	---	NAD	NA
Location: Rm 320 - White Mudded Fitting Jacket								
59	PT5364AI109A	109	---	---	---	---	NAD	NA
Location: Rm 314 - White TSI Mudded Fitting								
60	PT5364AI109B	109	---	---	---	---	NAD	NA
Location: Rm 320 - White TSI Mudded Fitting								
61	PT5364AI109C	109	---	---	---	---	NAD	NA
Location: Rm 320 - White TSI Mudded Fitting								
62	PT5364AI110A	110	0.197	44.2	26.4	29.4	NAD	NAD
Location: Rm 110 - Yellow Carpet Adhesive								
63	PT5364AI110B	110	0.152	44.1	24.3	31.6	NAD	NAD
Location: Rm 110 - Yellow Carpet Adhesive								
64	PT5364AI111A	111	0.175	45.1	23.4	31.4	NAD	NAD
Location: Rm 111 - Yellow Carpet Adhesive								

See Reporting notes on last page

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	PT5364AI111B	111	0.213	33.3	25.4	41.3	NAD	NAD
Location: Rm 111 - Yellow Carpet Adhesive								
66	PT5364AI112A	112	0.255	18.0	66.7	15.3	NAD	NAD
Location: Rm 170 - White W/ Black Floor Tile								
67	PT5364AI112B	112	0.265	19.2	61.9	18.9	NAD	NAD
Location: Rm 170 - White W/ Black Floor Tile								
68	PT5364AI113A	113	0.318	62.9	13.2	23.9	NAD	NAD
Location: Rm 170 - Brown Mastic								
69	PT5364AI113B	113	0.193	67.9	5.2	26.9	NAD	NAD
Location: Rm 170 - Brown Mastic								
70	PT5364AI114A	114	0.135	20.7	28.1	51.1	NAD	NAD
Location: Rm 163 - White Ceiling Tiles								
71	PT5364AI114B	114	0.214	22.0	35.0	43.0	NAD	NAD
Location: Rm 163 - White Ceiling Tiles								
72	PT5364AI115A	115	---	---	---	---	NAD	NA
Location: Rm 163 - Gray Gypsum Wall Board								
73	PT5364AI115B	115	---	---	---	---	NAD	NA
Location: Rm 163 - Gray Gypsum Wall Board								
74	PT5364AI116A	116	---	---	---	---	NAD	NA
Location: Rm 163 - White Joint Compound								
75	PT5364AI116B	116	---	---	---	---	NAD	NA
Location: Rm 163 - White Joint Compound								
76	PT5364AI117A	117	---	---	---	---	NAD	NA
Location: Rm 163 - White Seam Tape								
77	PT5364AI117B	117	---	---	---	---	NAD	NA
Location: Rm 163 - White Seam Tape								
78	PT5364AI118A	118	---	---	---	---	NAD	NA
Location: Corridor G-2 - Brown Brick Mortar								
79	PT5364AI118B	118	---	---	---	---	NAD	NA
Location: Corridor G-2 - Brown Brick Mortar								
80	PT5364AI119A	119	0.126	27.0	61.1	11.9	NAD	NAD
Location: Corridor G-2 - White Brick Adhesive								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
81	PT5364A 119B	119	0.172	25.6	66.3	8.1	NAD	NAD
Location: Corridor G-2 - White Brick Adhesive								
82	PT5364A 120A	120	0.143	78.3	10.5	11.2	NAD	NAD
Location: Rm 170A - Brown Fire Stop								
83	PT5364A 120B	120	0.183	76.0	11.5	12.6	NAD	NAD
Location: Rm 170A - Brown Fire Stop								
84	PT5364A 121A	121	0.184	57.1	8.7	34.2	NAD	NAD
Location: Rm 111 - Yellow Carpet Adhesive								
85	PT5364A 121B	121	0.146	58.2	4.1	37.7	NAD	NAD
Location: Rm 111 - Yellow Carpet Adhesive								
86	PT5364A 122A	122	0.195	52.8	46.7	0.5	NAD	NAD
Location: Rm 111 - Red 4-inch Cove Base								
87	PT5364A 122B	122	0.255	51.0	47.8	1.2	NAD	NAD
Location: Rm 111 - Red 4-inch Cove Base								
88	PT5364A 123A	123	0.323	42.7	48.6	8.7	NAD	NAD
Location: Rm 111 - Tan Cove Base Adhesive								
89	PT5364A 123B	123	0.217	41.9	48.4	9.7	NAD	NAD
Location: Rm 111 - Tan Cove Base Adhesive								
90	PT5364A 124A	124	0.253	19.4	64.8	15.8	NAD	NAD
Location: Rm 170 - Tan Floor Tile								
91	PT5364A 124B	124	0.294	22.1	60.2	17.7	NAD	NAD
Location: Rm 170 - Tan Floor Tile								
92	PT5364A 125A	125	0.182	51.1	47.3	1.6	NAD	NAD
Location: Rm 170 - Gray Mastic								
93	PT5364A 125B	125	0.284	48.9	45.8	5.3	NAD	NAD
Location: Rm 170 - Gray Mastic								
94	PT5364A 126A	126	0.163	27.0	46.6	26.4	NAD	NAD
Location: Rm 179 - White Ceiling Tiles								
95	PT5364A 126B	126	0.178	30.9	35.4	33.7	NAD	NAD
Location: Rm 179 - White Ceiling Tiles								
96	PT5364A 127A	127	0.292	24.3	72.9	2.7	NAD	NAD
Location: Rm 164 - White HVAC Caulk								

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
97	PT5364AI127B	127	0.268	23.9	73.9	2.2	NAD	NAD
Location: Rm 164 - White HVAC Caulk								
98	PT5364AI128A	128	----	----	----	----	NAD	NA
Location: Rm 312 - Black Countertop								
99	PT5364AI128B	128	----	----	----	----	NAD	NA
Location: Rm 312 - Black Countertop								
100	PT5364AI129A	129	0.103	56.3	4.9	34.7	Chrysotile 4.1	NA
Location: Rm 312 - Brown Countertop Seam Adhesive								
101	PT5364AI129B	129	0.080	62.5	7.5	30.0	NA/PS	NA
Location: Rm 312 - Brown Countertop Seam Adhesive								
102	PT5364AI130A	130	0.126	57.1	7.1	32.0	Chrysotile 3.7	NA
Location: Rm 312 - Black Backstep Adhesive								
103	PT5364AI130B	130	0.194	58.2	6.2	35.6	NA/PS	NA
Location: Rm 312 - Black Backstep Adhesive								
104	PT5364AI131A	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								
105	PT5364AI131B	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								
106	PT5364AI131C	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								
107	PT5364AI131D	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								
108	PT5364AI131E	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								
109	PT5364AI131F	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								
110	PT5364AI131G	131	----	----	----	----	NAD	NA
Location: Exterior - Tan/Gray Stucco								

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 PT5364; James O'Neill High School; Highland Falls, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	----------------------	--------------------------	--------------------------	------------------------------------	-------------------------	----------------------



Analyzed by: Aleksandr Barengolts ; Date Analyzed 6/27/2018
 **Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____



NO. 19522

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/381-9144 (T)
518/382-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/733-1812 (T)
607/733-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-4878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Winton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3306 (T)
315/735-4742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution
PTS364	Tomas O'Neill High School	6/25/18 Page 1 of 2	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> Scay <input type="checkbox"/>	Send Reports To (ATL Office): PT ATL Contact: J. Miller Send Copy To: Email Results: Labs PT @atlantesting.com
Field Sample No.	Sample Location	Sample Description	Analysis Requested	Laboratory Sample ID No.
PT 5364A184A	RM 254	Tan wood putty	PLM X	
PT 5364A184B	RM 254	Tan wood putty	PLM X	
PT 5364A185A	RM 254	Gray Door Caulk	PLM X	
PT 5364A185B	RM 254	Gray Door Caulk	PLM X	
PT 5364A186A	RM 254	White Rectum Board	PLM X	
PT 5364A186B	RM 254	White Rectum Board	PLM X	
PT 5364A187A	RM 256	White/Black HVAC Duct Insulation Behind	PLM X	
PT 5364A187B	RM 256	White/Black HVAC Duct Insulation Behind	PLM X	
PT 5364A187C	RM 252	White/Black HVAC Duct Insulation Behind	PLM X	
PT 5364A188A	RM 250B	Gray GFT marker	PLM X	
PT 5364A188B	RM 250B	Gray GFT marker	PLM X	
PT 5364A189A	RM 250B	Gray GFT marker	PLM X	
PT 5364A189B	RM 250B	Gray GFT marker	PLM X	
Sampler's Name:	Cameron Miller	Received at Laboratory (Name):		Shipment Rec'd Intact
Sampler's Signature:	<i>Cameron Miller</i>	Laboratory Signature:		Date: Time:
Name:	Cameron Miller	Name:	Fred K	Date: 6/28/18
Signature:	<i>Cameron Miller</i>	Signature:	<i>Fred K</i>	Time: 1700
Name:		Name:	J. Fasano	Date: 6/26/18
Signature:		Signature:	<i>J. Fasano</i>	Time: 1247
Field and Laboratory Remarks:				
#218065067				

Think Quality



NO. 19523

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/283-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/886-4578 (T)
315/886-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Armoria Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Wilson Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6082 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3398 (T)
315/735-4742 (F)

Watertown
26381 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No. PTS364	Project Name James O'Malley High School	Date Collected 6/25/18 Page 2 of 9	Laboratory Instructions <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input type="checkbox"/> Stop Analysis <input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Send Reports To (ATL Office): PT	Report Distribution C. Kelly		
Project Contact: Cameron Hiller	Project Location: Highland Falls, NY	Special Instructions:	Analysis Requested: PLM NOB TEM-NOB MICRO -VAC	ATL Contact: Labs PT	Laboratory Sample ID No.		
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	MICRO-VAC	Shipment Rec'd Intact <input type="checkbox"/> YES <input type="checkbox"/> NO
PT 5364AE90A	Rm 250C	gray CFT Great	X				
PT 5364AE90B	Rm 250C	gray CFT Great	X				
PT 5364AI91A	Rm 250C	gray CFT Target	X				
PT 5364AI91B	Rm 250C	gray CFT Target	X				
PT 5364AI92A	Rm 252	gray CFT Target	X				
PT 5364AE92B	Rm 252	gray CFT Target	X				
PT 5364AI93A	Rm 252	gray CFT Target	X				
PT 5364AI93B	Rm 252	gray CFT Target	X				
PT 5364AE94A	Shawwell 5.2	gray CFT Target	X				
PT 5364AE94B	Shawwell 5.2	gray CFT Target	X				
PT 5364AE95A	Shawwell 5.2	gray CFT Target	X				
PT 5364AE95B	Shawwell 5.2	gray CFT Target	X				
PT 5364AE96A	Rm 170	white gypsum board	X				
Sampler's Name: Cameron Hiller	Date: 6/25/18	Received at Laboratory (Name):	Laboratory Signature:	Date:	Time:	Field and Laboratory Remarks:	
Sampler's Signature: [Signature]	Time: 1600	Samples Received By:	Signature:	Date: 6/25/18	Time:		
Name: Cameron Hiller	Signature: [Signature]	Name: Felix	Signature:	Date:	Time:		
Name: [Signature]	Signature: [Signature]	Name: S. Felsen	Signature:	Date: 6/26/18	Time:		
Name: [Signature]	Signature: [Signature]	Name: [Signature]	Signature:	Date: 6/27/18	Time:		#218065067

Think Quality



NO. 19524

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518-283-9144 (T), 518-283-9166 (F)

Binghamton 126 Park Avenue, Binghamton, NY 13903, 607-733-1812 (T), 607-733-1835 (F)

Canton 6431 U.S. Highway 11, Canton, NY 13617, 315-686-4578 (T), 315-686-1012 (F)

Elmira 2330 Route 352, Elmira, NY 14898, 607-737-0700 (T), 607-737-0714 (F)

Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518-565-8778 (T), 518-562-1321 (F)

Rochester 3495 Wilson Place, Rochester, NY 14623, 583-427-9020 (T), 583-427-9021 (F)

Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315-699-3281 (T), 315-699-3374 (F)

Utica 301 St. Anthony Street, Utica, NY 13501, 315-735-5399 (T), 315-735-0742 (F)

Watertown 26381 NY's Rome-283, Watertown, NY 13601, 315-786-7887 (T), 315-786-3022 (F)

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution						
PT 5364AE96B	James O'Neill	06/28/18	Send Reports To (ATL Office):	PT						
PT 5364AE97A	Magn School	Page 3 of 9	ATL Contact:	C. Hill						
PT 5364AE97B	Carson Hill		Send Copy To:	Labs PT						
PT 5364AE98A	Highland Farms, NY		Email Results:	@atlinteresting.com						
Field Sample No.	Sample Location	Turn-Around-Time:	Special Instructions:	Analysis Requested	PLM NOB	PLM NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
PT 5364AE96B	RM 170	12hr	White gypsum board	<input checked="" type="checkbox"/> Positive Stop Analysis	X					
PT 5364AE97A	RM 170	24hr	White joint compound	<input type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB	X					
PT 5364AE97B	RM 170	5day	White joint compound	<input type="checkbox"/> Other:	X					
PT 5364AE98A	RM 170		White seam tape		X					
PT 5364AE98B	RM 170		White seam tape		X					
PT 5364AE99A	RM 170A		White mudded fittings clean jacket		X					
PT 5364AE99B	RM 170A		White mudded fittings clean jacket		X					
PT 5364AE99C	RM 170A		White mudded fittings clean jacket		X					
PT 5364AE100A	RM 170A		White TSE mudded fittings		X					
PT 5364AE100B	RM 170A		White TSE mudded fittings		X					
PT 5364AE100C	RM 170A		White TSE mudded fittings		X					
PT 5364AE101A	RM 166		White TSE mudded fittings jacket		X					
PT 5364AE101B	RM 166		White TSE mudded fittings jacket		X					
Sampler's Name:	Carson Hill	Date:	6/24/18	Received at Laboratory (Name):						
Sampler's Signature:	<i>[Signature]</i>	Time:	1600	Laboratory Signature:						
Samples Relinquished By:		Samples Received By:		Field and Laboratory Remarks:						
Name:	Carson Hill	Date:	6/24/18	Name:	Pedex	Date:	6/24/18			
Signature:	<i>[Signature]</i>	Time:	1700	Signature:		Time:	1700			
Name:		Date:		Name:	Stason	Date:	6/24/18	#218065067		
Signature:	<i>[Signature]</i>	Time:		Signature:	<i>[Signature]</i>	Time:	1200			

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

drive:Forms\Environmental\FieldForms\Asbestos Bulk Sample Chain-of-Custody Record rev 4: 02/14

ENV-001A



NO. 19526

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/883-9444 (T)
518/883-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/866-4578 (T)
315/866-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-4734 (F)

Plattsburgh
130 Aronson Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
51 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Warsaw Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-3281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3399 (T)
315/735-4742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No.	Project Name	Date Collected	Laboratory Instructions	Turn-Around Time	Special Instructions	Analysis Requested	Send Reports To (ATL Office)	Report Distribution		
PT5364	Jones o'neill Hignschel	6/24/18 Page 5 of 9		<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr	<input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	PLM-NOB TEM-NOB MICRO-VAC	Send Reports To: ATL Contact: C. Helmer	PT C. Helmer Labs PT @atlantictesting.com		
Field Sample No.	Sample Location	Sample Description	Received at Laboratory (Name)	Date	Time	PLM	PLM-NOB	TEM-NOB	MICRO-VAC	Shipment Rec'd Intact
PT 5364AE107A	Rm 235A	White TSE mudded filter	Feder	6/24/18	1700	X				<input type="checkbox"/> YES <input type="checkbox"/> NO
PT 5364AF107B	Rm 235A	White TSE mudded filter				X				
PT 5364AF107C	Rm 232A	White TSE mudded filter				X				
PT 5364AE108A	Rm 314	White mudded filter				X				
PT 5364AE108B	Rm 320	White mudded filter				X				
PT 5364AE108C	Rm 320	White mudded filter				X				
PT 5364AE109A	Rm 314	White mudded filter				X				
PT 5364AE109B	Rm 320	White TSE mudded filter				X				
PT 5364AE109C	Rm 320	White TSE mudded filter				X				
PT 5364AE110A	Rm 110	Yellow Carpet endswm					X			
PT 5364AE110B	Rm 110	Yellow Carpet endswm					X			
PT 5364AE111A	Rm 111	Yellow Carpet endswm					X			
PT 5364AE111B	Rm 111	Yellow Carpet endswm					X			
Sampler's Name:	Cameron Helmer	Date:	6/24/18	Laboratory Signature:		Received at Laboratory (Name):		Date:		Shipment Rec'd Intact:
Sampler's Signature:	<i>[Signature]</i>	Time:	1600					Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO
Samples Relinquished By:										
Name:	Cameron Helmer	Date:	6/24/18	Name:	Feder	Date:	6/24/18	Field and Laboratory Remarks:		
Signature:	<i>[Signature]</i>	Time:	1700	Signature:		Time:	1700	#218065067		
Name:		Date:		Name:	Stasera	Date:	6/26/18			
Signature:		Time:		Signature:	<i>[Signature]</i>	Time:	1247			

Think Quality



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19527

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/383-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/733-1812 (T)
607/733-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/286-4578 (T)
315/286-4012 (F)

Elmira
2330 Route 312
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Armada Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3405 Watton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13216
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)

Watertown
36381 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project Name		Date Collected		Laboratory Instructions		Report Distribution	
PT5364		6/24/18		<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other		Send Reports To (ATL Office): <u>PT</u> ATL Contact: <u>C.Heller</u> Send Copy To: Email Results: <u>Leads PT @atlantictesting.com</u>	
Project Contact: <u>C. Heller</u>		Turn-Around-Time:		Special Instructions:		Laboratory Distribution	
Project Location: <u>Highland Falls, NY</u>		Page <u>6</u> of <u>9</u>					
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	MICRO-VAC	Laboratory Sample ID No.
PT 5364A112A	Rm 170	White w/blk fiber mat		X	X		
PT 5364A112B	Rm 170	White w/Black Fiber mat		X	X		
PT 5364A113A	Rm 170	Brown mat		X	X		
PT 5364A113B	Rm 170	Brown mat		X	X		
PT 5364A114A	Rm 189	White ceiling tiles	X				
PT 5364A114B	Rm 189	White ceiling tiles	X				
PT 5364A115A	Rm 163	gray gypsum wall Board	X				
PT 5364A115B	Rm 163	gray gypsum wall Board	X				
PT 5364A116A	Rm 163	White Joint Compound	X				
PT 5364A116B	Rm 163	White Joint Compound	X				
PT 5364A117A	Rm 163	White Spun Paper	X				
PT 5364A117B	Rm 163	White Spun Paper	X				
PT 5364A118A	Corridor 6-7	Brown brick mortar	X				
Sampler's Name: <u>Cameron Heller</u>		Received at Laboratory (Name):		Date:		Shipment Rec'd Intact	
Sampler's Signature: <u>[Signature]</u>		Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO	
Date: <u>6/24/18</u>		Date: <u>6/24/18</u>		Date: <u>6/24/18</u>		Field and Laboratory Remarks:	
Time: <u>1600</u>		Time: <u>1700</u>		Time: <u>1700</u>			
Name: <u>Cameron Heller</u>		Name: <u>Feder</u>		Date: <u>6/24/18</u>			
Signature: <u>[Signature]</u>		Signature:		Time: <u>1700</u>			
Name: <u>Cameron Heller</u>		Name: <u>[Signature]</u>		Date: <u>6/26/18</u>			
Signature: <u>[Signature]</u>		Signature:		Time: <u>1747</u>			
Name: <u>Cameron Heller</u>		Name: <u>[Signature]</u>		Date: <u>6/26/18</u>			
Signature: <u>[Signature]</u>		Signature:		Time: <u>1747</u>			
Name: <u>Cameron Heller</u>		Name: <u>[Signature]</u>		Date: <u>6/26/18</u>			
Signature: <u>[Signature]</u>		Signature:		Time: <u>1747</u>			

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

drive:Forms\Environmental\Fields\Asbestos Bulk Sample Chain-of-Custody Record rev 4: 02/14 ENV-001A

NO. 19528

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD



Albany
22 Corporate Drive
Clifton Park, NY 12165
518/853-9144 (T)
518/853-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13901
607/733-1832 (T)
607/733-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Arsenal Ave
Plattsburgh, NY 12903
518/563-5678 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
1495 Watson Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3909 (T)
315/735-0942 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No.		Project Name		Date Collected		Laboratory Instructions		Report Distribution	
PTSS64		James O'Neil		6/24/18		<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input type="checkbox"/>		Send Reports To (ATL Office): ATL Contact: C. Kelly	
Project Contact: C. Kelly		Project Location: Highland Falls, NY		Turn-Around Time:		Special Instructions:		Send Copy To: Email Results: Lubs PT @atlantesting.com	
Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.	Shipment Rec'd Intact
PT 5364AE118B	Corridor G-2	Brown Brick mortar	X						<input type="checkbox"/> YES <input type="checkbox"/> NO
PT 5364AE119A	Corridor G-2	White Brick adhesive	X						
PT 5364AE119B	Corridor G-2	White Brick adhesive	X						
PT 5364AE120A	RM 170A	Brown Freshp		X					
PT 5364AE120B	RM 170A	Brown Fire Stop		X					
PT 5364AE121A	RM 111	Yellow Copper adhesive		X					
PT 5364AE121B	RM 111	Yellow Copper adhesive		X					
PT 5364AE122A	RM 111	Red 4-inch concrete		X					
PT 5364AE122B	RM 111	Red 4-inch concrete base		X					
PT 5364AE123A	RM 111	Tan adhesive concrete base		X					
PT 5364AE123B	RM 111	Tan concrete base adhesive		X					
PT 5364AE124A	RM 170	Floor tile		X					
PT 5364AE124B	RM 170	Floor tile		X					
Sampler's Name: Cameron Hwb	Date: 6/24/18	Received at Laboratory (Name):	Date: 6/24/18	Laboratory Signature:	Date:	Time:	Shipment Rec'd Intact		
Signature: [Signature]	Time: 1600	Samples Received By:		Date: 6/24/18		Time: 1700		Field and Laboratory Remarks:	
Name: Cameron Hwb	Signature: [Signature]	Name: Fedet	Signature: [Signature]	Date: 6/24/18		Time: 1700			
Name: [Signature]	Signature: [Signature]	Name: [Signature]	Signature: [Signature]	Date: 6/26/18		Time: 1242		#2180005087	

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ENV-001A
pdrive:Forms\Environmental\FieldForms\Asbestos Bulk Sample Chain-of-Custody Record rev 4: 02/14



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

NO. 19529

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/783-9144 (T)
518/783-9166 (F)

Ringhamton
126 Park Avenue
Ringhamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

Elmira
2370 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Wilson Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Chaut Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3369 (T)
315/735-4742 (F)

Watertown
26381 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution
PT5364	Tom O'Neill High School	6/24/18 Page 8 of 9	<input type="checkbox"/> 12hr <input checked="" type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Send Reports To (ATL Office): ATL Contact: C. Hane Send Copy To: Email Results: Labs PJ @atlantesting.com
Field Sample No.	Sample Location	Turn-Around-Time	Special Instructions	Analysis Requested
PT 5364A125A	RM 170		gray mastic	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A125B	RM 170		gray mastic	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A126A	RM 179		white ceiling tiles	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A126B	RM 179		white ceiling tiles	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A127A	RM 164		white HVAC caulk	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A127B	RM 164		white HVAC caulk	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A128A	RM 312		Black counter top	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A128B	RM 312		Black counter top	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A129A	RM 312		Brown counter top seam adhesive	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A129B	RM 312		Brown counter top seam adhesive	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A130A	RM 312		Black backstep adhesive	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A130B	RM 312		Black backstep adhesive	PLM-NOB X TEM-NOB X MICRO-YAC
PT 5364A131A	EXTER		tan/orange stucco	PLM-NOB X TEM-NOB X MICRO-YAC
Sampler's Name:	C. Hane	Date:	6/24/18	Received at Laboratory (Name):
Sampler's Signature:	<i>C. Hane</i>	Time:	16:00	Laboratory Signature:
Name:	Cameron Hane	Date:	6/24/18	Date:
Signature:	<i>C. Hane</i>	Time:	17:00	Time:
Name:		Date:		Date:
Signature:		Time:		Time:
Samples Relinquished By:				Field and Laboratory Remarks:
Cameron Hane				#218065067
Date: 6/24/18				
Time: 17:00				
Date: 6/24/18				
Time: 12:47				

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

NO. 19530

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD



Albany 22 Concourse Drive, Clifton Park, NY 12065
Binghamton 126 Park Avenue, Binghamton, NY 13903
Canton 6431 U.S. Highway 11, Canton, NY 13617
Elmira 2310 Route 352, Elmira, NY 14803
Plattsburgh 130 Ardena Ave, Plattsburgh, NY 12900
Rochester 3405 Western Plaza, Rochester, NY 14623
Syracuse 6085 Court Street Road, Syracuse, NY 13206
Utica 301 St. Anthony Street, Utica, NY 13501
Watertown 26581 NYS Route 283, Watertown, NY 13601

Project No. PT5364	Project Name Toms C'mell High Screen	Date Collected 6/27/18	Laboratory Instructions <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input type="checkbox"/>	Report Distribution Send Reports To (ATL Office): ATL Contact: Send Copy To: Email Results:
Project Contact: C. Hill	Special Instructions: <input checked="" type="checkbox"/> Positive Step Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other	Turn-Around-Time: <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input type="checkbox"/> 72hr	Analysis Requested: PLM-NOB TEM-NOB MICRO-VAC	ATL Contact: C. Hill
Project Location: Highland Falls, NY	Sample Location	Page 9 of 9	PLM-NOB	Email Results: Labs PT @atlantictesting.com
Field Sample No.	Sample Description	Received at Laboratory (Name):	PLM-NOB	Laboratory Sample ID No.
PT 5364A131A	EXHAUST	Date: 6/29/18	PLM-NOB	
PT 5364A131C	EXHAUST	Time: 1600	PLM-NOB	
PT 5364A131D	EXHAUST	Date: 6/29/18	PLM-NOB	
PT 5364A131E	EXHAUST	Time: 1700	PLM-NOB	
PT 5364A131F	EXHAUST	Date: 6/29/18	PLM-NOB	
PT 5364A131G	EXHAUST	Time: 1700	PLM-NOB	
Sampler's Name: Cameron Hill		Date: 6/29/18	PLM-NOB	
Sampler's Signature: <i>Cameron Hill</i>		Time: 1600	PLM-NOB	
Name: Cameron Hill		Date: 6/29/18	PLM-NOB	
Signature: <i>Cameron Hill</i>		Time: 1700	PLM-NOB	
Name: C. Hill		Date: 6/29/18	PLM-NOB	
Signature: <i>C. Hill</i>		Time: 1245	PLM-NOB	
Samples Relinquished By:		Samples Received By:		
Name: Cameron Hill		Date: 6/29/18	Date: 6/29/18	
Signature: <i>Cameron Hill</i>		Time: 1700	Time: 1700	
Name: C. Hill		Date: 6/29/18	Date: 6/29/18	
Signature: <i>C. Hill</i>		Time: 1245	Time: 1245	
Field and Laboratory Remarks:		Field and Laboratory Remarks:		
		#218065087		

Think Quality



ANALYTICAL REPORT

Lab Number:	L1810031
Client:	Atlantic Testing Laboratories, Limited 251 Upper North Road Highland, NY 12528
ATTN:	Cameron Heller
Phone:	(845) 691-6098
Project Name:	JAMES O'NEILL HS
Project Number:	PT5365
Report Date:	03/30/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1810031-01	PT5365PI01	CAULK	HIGHLAND FALLS, NY	03/21/18 16:30	03/23/18
L1810031-02	PT5365PI02	CAULK	HIGHLAND FALLS, NY	03/21/18 16:45	03/23/18
L1810031-03	PT5365PI03	CAULK	HIGHLAND FALLS, NY	03/21/18 17:30	03/23/18
L1810031-04	PT5365PI04	CAULK	HIGHLAND FALLS, NY	03/21/18 18:45	03/23/18
L1810031-05	PT5365PI05	CAULK	HIGHLAND FALLS, NY	03/21/18 20:00	03/23/18

Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L1810031-01 and -02: The sample contains peaks which match the retention times for Aroclor 1254, but do not match the area ratios typical for this aroclor. The result for Aroclor 1254 is reported as "weathered".

L1810031-01 and -04: The sample has elevated detection limits due to limited sample volume available for analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Melissa Cripps

Title: Technical Director/Representative

Date: 03/30/18

ORGANICS

PCBS

Project Name: JAMES O'NEILL HS**Lab Number:** L1810031**Project Number:** PT5365**Report Date:** 03/30/18**SAMPLE RESULTS**

Lab ID: L1810031-01
 Client ID: PT5365PI01
 Sample Location: HIGHLAND FALLS, NY

Date Collected: 03/21/18 16:30
 Date Received: 03/23/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Caulk
 Analytical Method: 1,8082A
 Analytical Date: 03/28/18 16:21
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
 Extraction Date: 03/27/18 04:47
 Cleanup Method: EPA 3630
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1020	290.	1	A
Aroclor 1221	ND		ug/kg	1020	298.	1	A
Aroclor 1232	ND		ug/kg	1020	227.	1	A
Aroclor 1242	ND		ug/kg	510	183.	1	A
Aroclor 1248	ND		ug/kg	1020	286.	1	A
Aroclor 1254	1460		ug/kg	1020	208.	1	A
Aroclor 1260	ND		ug/kg	1020	229.	1	A
Aroclor 1262	ND		ug/kg	1020	210.	1	A
Aroclor 1268	ND		ug/kg	510	180.	1	A
PCBs, Total	1460		ug/kg	510	180.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: JAMES O'NEILL HS

Lab Number: L1810031

Project Number: PT5365

Report Date: 03/30/18

SAMPLE RESULTS

Lab ID: L1810031-02
 Client ID: PT5365PI02
 Sample Location: HIGHLAND FALLS, NY

Date Collected: 03/21/18 16:45
 Date Received: 03/23/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Caulk
 Analytical Method: 1,8082A
 Analytical Date: 03/28/18 16:34
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
 Extraction Date: 03/27/18 04:47
 Cleanup Method: EPA 3630
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	608	173.	1	A
Aroclor 1221	ND		ug/kg	608	178.	1	A
Aroclor 1232	ND		ug/kg	608	135.	1	A
Aroclor 1242	ND		ug/kg	304	109.	1	A
Aroclor 1248	ND		ug/kg	608	170.	1	A
Aroclor 1254	620		ug/kg	608	124.	1	A
Aroclor 1260	ND		ug/kg	608	136.	1	A
Aroclor 1262	ND		ug/kg	608	125.	1	A
Aroclor 1268	ND		ug/kg	304	107.	1	A
PCBs, Total	620		ug/kg	304	107.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: JAMES O'NEILL HS**Lab Number:** L1810031**Project Number:** PT5365**Report Date:** 03/30/18**SAMPLE RESULTS**

Lab ID: L1810031-03
 Client ID: PT5365PI03
 Sample Location: HIGHLAND FALLS, NY

Date Collected: 03/21/18 17:30
 Date Received: 03/23/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Caulk
 Analytical Method: 1,8082A
 Analytical Date: 03/28/18 16:48
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
 Extraction Date: 03/27/18 04:47
 Cleanup Method: EPA 3630
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	545	155.	1	A
Aroclor 1221	ND		ug/kg	545	159.	1	A
Aroclor 1232	ND		ug/kg	545	121.	1	A
Aroclor 1242	ND		ug/kg	272	97.5	1	A
Aroclor 1248	ND		ug/kg	545	153.	1	A
Aroclor 1254	3040		ug/kg	545	111.	1	B
Aroclor 1260	684	PI	ug/kg	545	122.	1	A
Aroclor 1262	ND		ug/kg	545	112.	1	A
Aroclor 1268	ND		ug/kg	272	96.2	1	A
PCBs, Total	3720		ug/kg	272	96.2	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	127		30-150	B

Project Name: JAMES O'NEILL HS**Lab Number:** L1810031**Project Number:** PT5365**Report Date:** 03/30/18**SAMPLE RESULTS**

Lab ID: L1810031-04
 Client ID: PT5365PI04
 Sample Location: HIGHLAND FALLS, NY

Date Collected: 03/21/18 18:45
 Date Received: 03/23/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Caulk
 Analytical Method: 1,8082A
 Analytical Date: 03/28/18 17:01
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
 Extraction Date: 03/27/18 04:47
 Cleanup Method: EPA 3630
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	685	194.	1	A
Aroclor 1221	ND		ug/kg	685	200.	1	A
Aroclor 1232	ND		ug/kg	685	152.	1	A
Aroclor 1242	ND		ug/kg	342	123.	1	A
Aroclor 1248	ND		ug/kg	685	192.	1	A
Aroclor 1254	ND		ug/kg	685	140.	1	A
Aroclor 1260	ND		ug/kg	685	154.	1	A
Aroclor 1262	ND		ug/kg	685	141.	1	A
Aroclor 1268	ND		ug/kg	342	121.	1	A
PCBs, Total	ND		ug/kg	342	121.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	131		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: JAMES O'NEILL HS**Lab Number:** L1810031**Project Number:** PT5365**Report Date:** 03/30/18**SAMPLE RESULTS**

Lab ID: L1810031-05
 Client ID: PT5365PI05
 Sample Location: HIGHLAND FALLS, NY

Date Collected: 03/21/18 20:00
 Date Received: 03/23/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Caulk
 Analytical Method: 1,8082A
 Analytical Date: 03/28/18 17:14
 Analyst: WR
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
 Extraction Date: 03/27/18 04:47
 Cleanup Method: EPA 3630
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3665A
 Cleanup Date: 03/28/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 03/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	629	179.	1	A
Aroclor 1221	ND		ug/kg	629	184.	1	A
Aroclor 1232	ND		ug/kg	629	140.	1	A
Aroclor 1242	ND		ug/kg	314	112.	1	A
Aroclor 1248	ND		ug/kg	629	176.	1	A
Aroclor 1254	929		ug/kg	629	128.	1	B
Aroclor 1260	523	J	ug/kg	629	141.	1	B
Aroclor 1262	ND		ug/kg	629	130.	1	A
Aroclor 1268	346		ug/kg	314	111.	1	B
PCBs, Total	1800	J	ug/kg	314	111.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 03/28/18 15:14
Analyst: WR

Extraction Method: EPA 3540C
Extraction Date: 03/27/18 04:47
Cleanup Method: EPA 3630
Cleanup Date: 03/28/18
Cleanup Method: EPA 3665A
Cleanup Date: 03/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/28/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 01-05 Batch: WG1100710-1						
Aroclor 1016	ND		ug/kg	617	175.	A
Aroclor 1221	ND		ug/kg	617	180.	A
Aroclor 1232	ND		ug/kg	617	137.	A
Aroclor 1242	ND		ug/kg	309	110.	A
Aroclor 1248	ND		ug/kg	617	173.	A
Aroclor 1254	ND		ug/kg	617	126.	A
Aroclor 1260	ND		ug/kg	617	138.	A
Aroclor 1262	ND		ug/kg	617	127.	A
Aroclor 1268	ND		ug/kg	309	109.	A
PCBs, Total	ND		ug/kg	309	109.	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	125		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1100710-2 WG1100710-3									
Aroclor 1016	74		73		40-140	1		50	A
Aroclor 1260	68		68		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		116		30-150	A
Decachlorobiphenyl	103		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		112		30-150	B
Decachlorobiphenyl	111		105		30-150	B

Project Name: JAMES O'NEILL HS**Lab Number:** L1810031**Project Number:** PT5365**Report Date:** 03/30/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1810031-01A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8082-CAULK(14)
L1810031-02A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8082-CAULK(14)
L1810031-03A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8082-CAULK(14)
L1810031-04A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8082-CAULK(14)
L1810031-05A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8082-CAULK(14)

Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: JAMES O'NEILL HS
Project Number: PT5365

Lab Number: L1810031
Report Date: 03/30/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

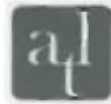
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

1180031



ATLANTIC TESTING LABORATORIES

Environmental Chain-Of-Custody Record

7846

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/383-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/733-1812 (T)
607/733-1833 (F)

Canton
6431 U.S. Highway 31
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

Elmira
2330 Route 352
Corning, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
120 Arizona Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3445 Winton Road
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)

Watertown
76581 NYS Route 283
Watertown, NY 13601
315/788-7887 (T)
315/786-2022 (F)

Project No.		Client Name		QA/QC Code		Parameters						Report Distribution		
PT5365		Highland Falls CSD		<input type="checkbox"/> NYSDEC	<input type="checkbox"/> SW-846							Dates Required:	1-week	
Page 1 of 1				<input type="checkbox"/> NYSDOH	<input type="checkbox"/> CLP							Send Report To:	C. Heller arian.HELLER@atlab.com	
Project Contact:		Cameron Heller		Project Location								Fax Results:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Project Name:		James O'Neill H/S		Highland Falls, NY								Laboratory Identification No.	Field Notes	
Date	Time	Sample Location		Sample Type	No. of Containers									
3/21/18	1630	Room 135		G	1	EPA 8082-PCB								
3/21/18	1645	Room 165		G	1								PT5365PI02	
3/21/18	1730	Room 120		G	1								PT5365PI03	
3/21/18	1845	Room 202A		G	1								PT5365PI04	
3/21/18	2000	Room 244B		G	1								PT5365PI05	
Samplers Name:		Cameron Heller		Date:	3/21/18	Received for Name:						Date:		Shipment Rec'd Intact?
Samplers Signature:		C. Heller		Time:	2030	Laboratory Signature:						Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO
Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks		
Name:	Cameron Heller		Date:	3/23/18	Name:	Jon Pardine AAL		Date:	3/23/18	Description	Matrix			
Signature:	C. Heller		Time:	1300	Signature:	Jon Pardine		Time:	1305	G Composite	DW	Drinking Water		
Name:	Jon Pardine		Date:	3/23/18	Name:	Bradley Leister AAL		Date:	3/23/18	G Grab	GW	Groundwater		
Signature:	Jon Pardine		Time:	1445	Signature:	Bradley Leister		Time:	1500	Q QA/QC	O	Oil		
										O Other	S	Soil		
											SL	Sludge		
											WW	Wastewater		

Custody Seal: X - intact

Distribution: White with Samples
Page 19 of 19 Yellow to Laboratory
Pink to ATL Files

Think Quality
3/23/18 2245 Rec'd by: Jon P. 3/23/18 2245

APPENDIX D
SUMMARY TABLES

KEY FOR SUMMARY TABLES

Acronyms for the Known or Assumed ACM:

CFT = Ceramic Floor Tile

CWT = Ceramic Wall Tile

EPDM = Ethylene Propylene Diene Monomer

HVAC = Heating, Ventilation, and Air Conditioning

TSI = Thermal System Insulation

Abbreviations for Friable/ACM Type:

Y = Yes

N = No

M = Miscellaneous

S = Surfacing

T = Thermal System Insulation

Descriptions for Conditions:

The listed conditions of Good, Fair, and Poor generally correspond with the AHERA descriptions of Good, Damaged, and Significantly Damaged for different types of materials. The following summarizes additional details relative to the listed conditions.

Surfacing (Surf.) and Miscellaneous (Misc.) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with characteristics of surface crumbling, blistered, water-stained, gouged, marred, or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
 - Surface crumbling or blistering is present over at least one tenth of the surface, if the damage is evenly distributed or one quarter if the damage is localized.
 - One tenth (or one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
 - Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.

Thermal System Insulation (TSI) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with one or more of the following characteristics:
 - A few water stains or less than one tenth of insulation with missing jackets.
 - Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed or up to one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
 - Missing jackets on at least one tenth of the piping or equipment.
 - Crushed or heavily gouged or punctured insulation on at least one tenth of the component (pipe runs/risers, boiler, tank, duct, etc.) if the damage is evenly distributed or one quarter if the damage is localized.

Notes:

¹ Sample Location Plans are enclosed in Appendix B.

^{2a} NAD = No Asbestos Detected/ ^{2b} ND = Not detected above the laboratory method detection limit.

³ Quantities and locations are approximate and must be verified by asbestos abatement contractors prior to providing actual cost quotations and/or initiating abatement activities.

⁴ NA = Not Applicable

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
White Textured Paint	Throughout Area of Work	Y/S	NAD	Fair	PT5365AI01A PT5365AI01B PT5365AI01C PT5365AI01D PT5365AI01E PT5365AI01F PT5365AI01G	NA
Black Threshold Stone	Rooms 131, 165, 168, 231, 235, 244A, 331, and 335	N/M	NAD	Fair	PT5365AI02A PT5365AI02B	NA
White TSI Paper Jacket	Throughout Area of Work	N/T	NAD	Fair	PT5365AI03A PT5365AI03B PT5365AI03C	NA
White TSI End Sealant	Throughout Area of Work	N/T	NAD	Fair	PT5365AI04A PT5365AI04B PT5365AI04C	NA
White Adhesive Associated with CWT	Rooms 135, 135A, 131, 131A, 235, 232, 340, 332, 168, 165, 250B, 244A, 240B, and 242	N/M	NAD	Fair	PT5365AI05A PT5365AI05B	NA
White Grout Associated with White CWT	Rooms 135, 135A, 131, 131A, 235, 232, 340, 332, 168, 165, 250B, 244A, 240B, and 242	N/M	NAD	Fair	PT5365AI06A PT5365AI06B	NA
Gray Grout Associated with Tan with Brown CFT	Rooms 131, 135, 166, 231, 235, 331, and 335	N/M	NAD	Fair	PT5365AI07A PT5365AI07B	NA
Gray Thinset Associated with Tan with Brown Gray CFT	Rooms 131, 135, 166, 231, 235, 331, and 335	N/M	NAD	Fair	PT5365AI08A PT5365AI08B	NA
Brown Support Pillar Expansion Board	Throughout Area of Work	N/M	NAD	Fair	PT5365AI09A PT5365AI09B	NA
Yellow Adhesive Associated with Green 4-Inch Cove Base	Area A, First Floor Corridor	N/M	NAD	Fair	PT5365AI10A PT5365AI10B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
White Radiator Caulk	Rooms 135 and 165	N/M	NAD	Fair	PT5365AI11A PT5365AI11B	NA
White Toilet Caulk	Rooms 135, 131, and 165	N/M	NAD	Fair	PT5365AI12A PT5365AI12B	NA
Light Green 4-Inch Cove Base	Room 131	N/M	NAD	Fair	PT5365AI13A PT5365AI13B	NA
Tan Adhesive Associated with Light Green 4-Inch Cove Base	Room 131	N/M	NAD	Fair	PT5365AI14A PT5365AI14B	NA
Grey and White 12-Inch by 12-Inch Marbled Floor Tile	Rooms 124A, 124B, 125, 125A, 126, 128, 130A, and 228	N/M	NAD	Fair	PT5365AI15A PT5365AI15B	NA
Yellow Mastic Associated with Grey and White 12-Inch by 12-Inch Marbled Floor Tile	Rooms 124A, 124B, 125, 125A, 126, 128, 130A, and 228	N/M	NAD	Fair	PT5365AI16A PT5365AI16B	NA
Gray 4-Inch Cove Base	Rooms 109, 124, and 124A	N/M	NAD	Fair	PT5365AI17A PT5365AI17B	NA
Yellow Cove Base Adhesive Associated with Gray 4-Inch Cove Base	Rooms 109, 124, and 124A	N/M	NAD	Fair	PT5365AI18A PT5365AI18B	NA
Gray Mortar associated with Block Wall	Throughout Building	N/M	NAD	Fair	PT5365AI19A PT5365AI19B	NA
White Gypsum Wall Board	Rooms 125 and 125A	Y/M	NAD	Fair	PT5365AI20A PT5365AI20B	NA
White Seam Tape	Rooms 125 and 125A	N/M	NAD	Fair	PT5365AI21A PT5365AI21B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
White Joint Compound	Rooms 125 and 125A	Y/M	NAD	Fair	PT5365AI22A PT5365AI22B	NA
Yellow Carpet Tile Adhesive	Room 124	N/M	NAD	Fair	PT5365AI23A PT5365AI23B	NA
Gray Gypsum Wall Board	Room 124 and 124A	Y/M	NAD	Fair	PT5365AI24A PT5365AI24B	NA
Joint Compound Associated with Gray Gypsum Wall Board	Room 124 and 124A	Y/M	NAD	Fair	PT5365AI25A PT5365AI25B	NA
Seam Tape Associated with Gray Gypsum Wall Board	Room 124 and 124A	N/M	NAD	Fair	PT5365AI26A PT5365AI26B	NA
Red 12-Inch by 12-Inch Floor Tile	Room 170A and Area B Corridor	N/M	NAD	Fair	PT5365AI27A PT5365AI27B	NA
Tan Mastic Associated with Red 12-Inch by 12-Inch Floor Tile	Room 170A and Area B Corridor	N/M	NAD	Fair	PT5365AI28A PT5365AI28B	NA
Gray Support Pillar Expansion Caulk	Throughout Area of Work	N/M	2.2	Fair	PT5365AI29A PT5365AI29B	100 Square Feet
Yellow Carpet Adhesive associated with Green Carpet	Rooms 122, 124A, and 124B	N/M	NAD	Fair	PT5365AI30A PT5365AI30B	NA
Black 1-Foot by 1-Foot Pinhole Acoustic Tiles	Rooms 111 and 120	N/M	NAD	Fair	PT5365AI31A PT5365AI31B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Brown Adhesive Associated with 1-Foot by 1-Foot Black Pinhole Acoustic Tiles	Rooms 111 and 120	N/M	NAD	Fair	PT5365AI32A PT5365AI32B	NA
Red 12-Inch by 12-Inch Floor Tiles	Room 123	N/M	NAD	Fair	PT5365AI33A PT5365AI33B	NA
Yellow Mastic Associated with Red 12-Inch by 12-Inch Floor Tiles	Room 123	N/M	NAD	Fair	PT5365AI34A PT5365AI34B	NA
White Shower Caulk	Room 244B	N/M	Trace	Fair	PT5365AI35A PT5365AI35B	NA
Red 12-Inch by 12-Inch Streaked Floor Tile	Rooms 244, 250, 256, and 258	N/M	NAD	Fair	PT5365AI36A PT5365AI36B	NA
Black Vapor Barrier	Room 123 Stage	N/M	NAD	Fair	PT5365AI37A PT5365AI37B	NA
White Pipe TSI	Room 222	Y/T	NAD	Fair	PT5365AI38A PT5365AI38B PT5365AI38C	NA
Brown 12-Inch by 12-Inch Floor Tiles	Rooms 125, 214, 222, 224, and 226	N/M	NAD	Fair	PT5365AI39A PT5365AI39B	NA
Yellow Mastic Associated with Brown 12-Inch by 12-Inch Floor Tiles	Rooms 125, 214, 222, 224, and 226	N/M	NAD	Fair	PT5365AI40A PT5365AI40B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Brown 4-Inch Cove Base	Rooms 123, 124B, 130A, 135, 168, 165, 170, 214, 222, 224, 226, 228, 244A, 250, 252, 252C, 256, 316, 318, 320, Stair 5.1, and Stair 5.2	N/M	NAD	Fair	PT5365AI41A PT5365AI41B	NA
Yellow Adhesive Associated with Brown 4-Inch Cove Base	Rooms 123, 124B, 130A, 135, 168, 165, 170, 214, 222, 224, 226, 228, 244A, 250, 252, 252C, 256, 316, 318, 320, Stair 5.1, and Stair 5.2	N/M	NAD	Fair	PT5365AI42A PT5365AI42B	NA
Black 4-Inch Cove Base	Rooms 216, 218, 222, 226, 314, and 322	N/M	NAD	Fair	PT5365AI43A PT5365AI43B	NA
Black Lab Tables	Rooms 214, 218, 220, 222, 224, 226, 314, 316, 318, 320, and 322	N/M	19.0	Fair	PT5365AI44A PT5365AI44B	800 Square Feet
Black Seam Adhesive Associated with Black Lab Tables	Rooms 214, 218, 220, 222, 224, 226, 314, 316, 318, 320, and 322	N/M	2.0	Fair	PT5365AI45A PT5365AI45B	40 square Feet
White Pipe TSI Mudded Fitting	Rooms 165, 168, 170A, 220, 222, 224, 235, 235A, 258, 258B, and Area A - Corridors B and C	Y/T	Trace	Fair	PT5365AI46A PT5365AI46B PT5365AI46C PT5365AI46D PT5365AI46E PT5365AI46E PT5365AI46F	NA
Tan Cloth Jacket Associated with White Pipe TSI Mudded Fitting	Rooms 165, 168, 170A, 220, 222, 224, 235, 235A, 258, 258B, and Area A - Corridors B and C	Y/T	NAD	Fair	PT5365AI47A PT5365AI47B PT5365AI47C	NA
Light Brown 12-Inch by 12-Inch Floor Tiles	Rooms 109, 212, 216, 218, and 220	N/M	NAD	Fair	PT5365AI49A PT5365AI49B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Yellow Mastic Associated with Light Brown 12-Inch by 12-Inch Floor Tiles	Rooms 109, 212, 216, 218, and 220	N/M	NAD	Fair	PT5365AI50A PT5365AI50B	NA
Red Fire Stop	Throughout Area of Work	N/M	NAD	Fair	PT5365AI51A PT5365AI51B	NA
Black 4-Inch Cove Base	Rooms 216, 218, 220, 314, 316, 318, 322, 326, and 328	N/M	NAD	Fair	PT5365AI52A PT5365AI52B	NA
Yellow Adhesive Associated with Black 4-Inch Cove Base	Rooms 216, 218, 220, 314, 316, 318, 322, 326, and 328	N/M	NAD	Fair	PT5365AI53A PT5365AI53B	NA
Light Brown 12-Inch by 12-Inch Floor Tile	Rooms 326 and 328	N/M	NAD	Fair	PT5365AI54A PT5365AI54B	NA
Yellow Mastic Associated with Light Brown 12-Inch by 12-Inch Floor Tile	Rooms 326 and 328	N/M	NAD	Fair	PT5365AI55A PT5365AI55B	NA
Gray 12-Inch by 12-Inch Floor Tile	Rooms 316, 318, and 322	N/M	NAD	Fair	PT5365AI56A PT5365AI56B	NA
Yellow Mastic associated with Gray 12-Inch by 12-Inch Floor Tile	Rooms 316, 318, and 322	N/M	NAD	Fair	PT5365AI57A PT5365AI57B	NA
Yellow Adhesive Associated with Wood Desk Platform	Rooms 216, 218, 222, 226, 316, 318, and 322	N/M	NAD	Fair	PT5365AI58A PT5365AI58B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3,4}
Dark Green 4-Inch Cove Base	1 st Floor Area A - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI59A PT5365AI59B	NA
Green 12-Inch by 12-Inch Floor Tile	1 st Floor Area A - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI60A PT5365AI60B	NA
Yellow Mastic associated with Gray 12-Inch by 12-Inch Floor Tile	1 st Floor Area A - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI61A PT5365AI61B	NA
Gray Gypsum Wall Board	Rooms 163 and 179	Y/M	NAD	Fair	PT5365AI62A PT5365AI62B	NA
Green Rubber Flooring	Room 202	N/M	NAD	Fair	PT5365AI63A PT5365AI63B	NA
Yellow Adhesive Associated With Green Rubber Flooring	Room 202	N/M	NAD	Fair	PT5365AI64A PT5365AI64B	NA
Black HVAC Insulation Paper Backing	Room 202A	N/M	NAD	Fair	PT5365AI65A PT5365AI65B	NA
Black Vibration Cloth	Room 202A	N/M	NAD	Fair	PT5365AI66A PT5365AI66B	NA
Gray HVAC Caulk	Room 202A	N/M	NAD	Fair	PT5365AI67A PT5365AI67B	NA
White 12-Inch by 12-Inch Streaked Floor Tile	Rooms 244, 250, 250D, 256, and 258	N/M	NAD	Fair	PT5365AI68A PT5365AI68B	NA
Yellow Mastic associated with White 12-Inch by 12-Inch Streaked Floor Tile	Rooms 244, 250, 250D, 256, and 258	N/M	NAD	Fair	PT5365AI69A PT5365AI69B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Tan Grout Associated with Tan 4-Inch by 4-Inch CWT	Rooms 250C, 252B, 256, and 258C	N/M	NAD	Fair	PT5365AI70A PT5365AI70B	NA
Gray Adhesive Associated with Tan 4-Inch by 4-Inch CWT	Rooms 250C, 252B, 256, and 258C	N/M	NAD	Fair	PT5365AI71A PT5365AI71B	NA
Gray 12-Inch by 12-Inch Mottled Floor Tile	Area B - Corridors	N/M	NAD	Fair	PT5365AI72A PT5365AI72B	NA
Brown Grout Associated with 2-Inch by 2-Inch CFT	Rooms 165, 240, 242, 244A, 252B, and 256A	N/M	NAD	Fair	PT5365AI73A PT5365AI73B	NA
Gray Mortar Bed Associated with 2-Inch by 2-Inch CFT	Rooms 165, 240, 242, 244A, 252B, and 256A	N/M	NAD	Fair	PT5365AI74A PT5365AI74B	NA
Tan, Red, and White Textured Paint	Rooms 240, 242, 252B, 256A, and 258B	N/M	NAD	Fair	PT5365AI75A PT5365AI75B PT5365AI75C PT5365AI75D PT5365AI75E	NA
Tan Wall/Ceiling Compound	Room 240 and 242	N/M	NAD	Fair	PT5365AI76A PT5365AI76B	NA
Peach 12-Inch by 12-Inch Speckled Floor Tile	Room 252	N/M	NAD	Fair	PT5365AI77A PT5365AI77B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Yellow Mastic associated with Peach 12-Inch by 12-Inch Speckled Floor Tile and Red 12-Inch by 12-Inch Speckled Floor Tile	Room 252	N/M	NAD	Fair	PT5365AI78A PT5365AI78B	NA
Red 12-Inch by 12-Inch Speckled Floor Tile	Room 170 244, 250, 250D, 252, 252C, 258, and 258F	N/M	NAD	Fair	PT5365AI79A PT5365AI79B	NA
Gray with White and Brown 12-Inch by 12-Inch Speckled Floor Tile	Area A 2 nd Floor - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI80A PT5365AI80B	NA
Yellow Mastic Associated with Gray with White and Brown 12-Inch by 12-Inch Speckled Floor Tile	Area A 2 nd Floor - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI81A PT5365AI81B	NA
Peach with Red 12-Inch by 12-Inch Speckled Floor Tile	Area A 3 rd Floor - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI82A PT5365AI82B	NA
Yellow Mastic Associated with Peach with Red 12-Inch by 12-Inch Speckled Floor Tile	Area A 3 rd Floor - Corridors A, B, C, and D	N/M	NAD	Fair	PT5365AI83A PT5365AI83B	NA
Tan Wood Putty	Room 254	N/M	NAD	Fair	PT5364AI84A PT5364AI84B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Gray Door Caulk	Room 254	N/M	NAD	Fair	PT5364AI85A PT5364AI85B	NA
White Tectum Board	Room 254	N/M	NAD	Fair	PT5364AI86A PT5364AI86B	NA
White and Black HVAC Duct Insulation Paper Backing	Rooms 252, 256, and 170A	N/T	NAD	Fair	PT5364AI87A PT5364AI87B PT5364AI87C	NA
Gray Grout Associated with Blue and Gray CFT	Room 250B	N/M	NAD	Fair	PT5364AI88A PT5364AI88B	NA
Gray Mortar Associated with Blue and Gray CFT	Room 250B	N/M	NAD	Fair	PT5364AI89A PT5364AI89B	NA
Gray Grout Associated with Brown with Tan CFT	Rooms 244B, 250C, 258B, and 258C	N/M	NAD	Fair	PT5364AI90A PT5364AI90B	NA
Gray Mortar Associated with Brown with Tan CFT	Rooms 244B, 250C, 258B, and 258C	N/M	NAD	Fair	PT5364AI91A PT5364AI91B	NA
Gray Grout Associated with Green 2-Inch by 2-Inch CFT	Room 252B	N/M	NAD	Fair	PT5364AI92A PT5364AI92B	NA
Gray Mortar Associated with Green 2-Inch by 2-Inch CFT	Room 252B	N/M	NAD	Fair	PT5364AI93A PT5364AI93B	NA
Gray Grout Associated with Green 24-Inch by 18-Inch CFT	Stair 5.1 and 5.2	N/M	NAD	Fair	PT5364AI94A PT5364AI94B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Gray Mortar Associated with Green 24-Inch by 18-Inch CFT	Stair 5.1 and 5.2	N/M	NAD	Fair	PT5364AI95A PT5364AI95B	NA
White Gypsum Soffit Board	Room 170	Y/M	NAD	Fair	PT5364AI96A PT5364AI96B	NA
White Joint Compound Associated with White Gypsum Soffit Board	Room 170	Y/M	NAD	Fair	PT5364AI97A PT5364AI97B	NA
White Seam Tape Associated with White Gypsum Soffit Board	Room 170	N/M	NAD	Fair	PT5364AI98A PT5364AI98B	NA
White Pipe TSI Mudded Fitting Cloth Jacket	Rooms 166, 165, and 170	N/T	NAD	Fair	PT5364AI99A PT5364AI99B PT5364AI99C	NA
White Pipe TSI Mudded Fitting	Rooms 166, 165, and 170	Y/T	NAD	Fair	PT5364AI100A PT5364AI100B PT5364AI100C	NA
White Pipe TSI Mudded Fitting Cloth Jacket	Room 166	N/T	NAD	Fair	PT5364AI101A PT5364AI101B PT5364AI101C	NA
White Pipe TSI Mudded Fitting	Room 166	Y/T	NAD	Fair	PT5364AI102A PT5364AI102B PT5364AI102C	NA
White 12-Inch by 12-Inch Streaked Floor Tile	Room 109	N/M	NAD	Good	PT5364AI103A PT5364AI103B	NA
Purple 12-Inch by 12-Inch Streaked Floor Tile	Room 109	N/M	NAD	Good	PT5364AI104A PT5364AI104B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Brown Mastic Associated with White and Purple 12-Inch by 12-Inch Streaked Floor Tile	Room 109	N/M	NAD	Good	PT5364AI105A PT5364AI105B	NA
White Pipe TSI Mudded Fitting Cloth Jacket	Rooms 232A and 235A	N/T	NAD	Fair	PT5364AI106A PT5364AI106B PT5364AI106C	NA
White Pipe TSI Mudded Fitting	Rooms 232A and 235A	Y/T	NAD	Fair	PT5364AI107A PT5364AI107B PT5364AI107C	NA
White Pipe TSI Mudded Fitting Cloth Jacket	Rooms 314 and 320	N/T	NAD	Fair	PT5364AI108A PT5364AI108B PT5364AI108C	NA
White Pipe TSI Mudded Fitting	Rooms 314 and 320	Y/T	NAD	Fair	PT5364AI109A PT5364AI109B PT5364AI109C	NA
Yellow Carpet Adhesive Associated with Red Floor Carpet	Room 111	N/M	NAD	Fair	PT5364AI110A PT5364AI110B	NA
Yellow Carpet Adhesive Associated with Gray Floor Carpet	Room 111	N/M	NAD	Fair	PT5364AI111A PT5364AI111B	NA
White with Black 12-Inch by 12-Inch	Room 170	N/M	NAD	Fair	PT5364AI112A PT5364AI112B	NA
Brown Mastic Associated with White with Black 12-Inch by 12-Inch	Room 170	N/M	NAD	Fair	PT5364AI113A PT5364AI113B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
White 2-Foot by 2-Foot Pinhole and Fissured Ceiling Tiles	Room 163	Y/M	NAD	Fair	PT5364AI114A PT5364AI114B	NA
Gray Gypsum Wall Board	Room 163	Y/M	NAD	Fair	PT5364AI115A PT5364AI115B	NA
Joint Compound Associated with Gray Gypsum Wall Board	Room 163	Y/M	NAD	Fair	PT5364AI116A PT5364AI116B	NA
Seam Tape Associated with Gray Gypsum Wall Board	Room 163	N/M	NAD	Fair	PT5364AI117A PT5364AI117B	NA
Brown Mortar Associated with Brown Brick Wall	Corridor G-2	N/M	NAD	Fair	PT5364AI118A PT5364AI118B	NA
White Adhesive Associated with Brown Brick Wall	Corridor G-2	N/M	NAD	Fair	PT5364AI119A PT5364AI119B	NA
Brown Fire Stop Caulk	Rooms 170 and 170A	N/M	NAD	Good	PT5364AI120A PT5364AI120B	NA
Yellow Carpet Adhesive Associated with Red and Gray Wall Carpet	Room 111	N/M	NAD	Good	PT5364AI121A PT5364AI121B	NA
Red 4-Inch Cove Base	Room 111	N/M	NAD	Fair	PT5364AI122A PT5364AI122B	NA
Tan Adhesive Associated with Red 4-Inch Cove Base	Room111	N/M	NAD	Fair	PT5364AI123A PT5364AI123B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Tan Floor Tile Under Existing White with Black 12-Inch by 12-Inch	Room 170	N/M	NAD	Fair	PT5364AI124A PT5364AI124B	NA
Gray Mastic Associated with Tan Floor Tile Under Existing White with Black 12-Inch by 12-Inch	Room 170	N/M	NAD	Fair	PT5364AI125A PT5364AI125B	NA
White 2-Foot by 4-Foot Pinhole Ceiling Tile	Room 179	Y/M	NAD	Fair	PT5364AI126A PT5364AI126B	NA
White HVAC Caulk	Room 127	N/M	NAD	Fair	PT5364AI127A PT5364AI127B	NA
Black Counter Top	Room 312	N/M	NAD	Fair	PT5364AI128A PT5364AI128B	NA
Brown Seam Adhesive Associated with Black Counter Top	Room 312	N/M	4.1	Fair	PT5364AI129A PT5364AI129B	1 Square Foot
Black Countertop Back Splash Adhesive	Room 312	N/M	3.7	Fair	PT5364AI130A PT5364AI130B	1 Square Foot
Tan Wall Stucco	Exterior	N/M	NAD	Fair	PT5364AI131A PT5364AI131B PT5364AI131C PT5364AI131D PT5364AI131E PT5364AI131F PT5364AI131G	NA

Table D-II
Summary of Suspect PCB-Containing Caulk and Analytical Results

Material Description/ Color	General Location ¹	Sample Number	Total PCB ^{2b} (ppm)
White Radiator Caulk	Rooms 135 and 165	PT5365PI01	1.46
White Toilet Caulk	Rooms 131, 135, and 165	PT5365PI02	0.62
Gray Support Pillar Expansion Caulk	Throughout Area of Work	PT5365PI03	3.72
Gray HVAC Caulk	Room 202A	PT5365PI04	ND
White Shower Caulk	Room 244B	PT5365PI05	1.80
Gray Door Caulk	Room 254	PT5364PI06	2.41
Brown Fire Stop Caulk	Room 170 and 170A	PT5364PI07	1.29
White HVAC Caulk	Room 164	PT5364PI08	2.28

APPENDIX E

SUMMARY OF XRF RESULTS AND CALIBRATION CHECKS

Table E-I
Summary of XRF Test Results - Lead Detected at Greater than or Equal to 1 mg/cm²

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Floor	Room	Result (mg/cm²)
87	3/19/18 19:18	Room	Locker	Metal	A	Intact	Dark Green	2nd	250	1.2

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm²

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm ²)
40	3/19/18 16:01	Door	Jamb	Metal	B	Intact	Red	1st	123	0.2
49	3/19/18 16:46	Door	Jamb	Metal	A	Intact	Red	2nd	220	0.4
51	3/19/18 16:47	Room	Wall		C	Intact	White	2nd	220	0.1
52	3/19/18 16:48	Room	Wall		D	Intact	White	2nd	220	0.1
56	3/19/18 16:59	Door	Jamb	Metal	A	Intact	Red	2nd	214	0.4
60	3/19/18 17:02	Room	Sink	Metal	D	Intact	White	2nd	214	0.7
62	3/19/18 17:10	Room	Sink	Ceramic	D	Intact	White	3rd	340	0.3
85	3/19/18 19:12	Room	Wall	Ceramic	A	Intact	Off-White	2nd	250	0.1
88	3/19/18 19:42	Room	Wall		A	Intact	Off-White	2nd	256	0.2
89	3/19/18 19:43	Door	---	Metal	A	Intact	Red	2nd	256	0.3
92	3/19/18 19:45	Room	Wall	Ceramic	A	Intact	White	2nd	256A	0.1
95	3/19/18 19:50	Room	Sink	Ceramic	D	Intact	White	2nd	244	0.7
99	3/19/18 19:57	Room	Wall		D	Intact	Yellow	2nd	242	0.1
101	3/19/18 20:02	Door	Jamb	Metal	B	Intact	Red	2nd	252C	0.4
102	3/19/18 20:03	Room	Wall		C	Intact	Off-White	2nd	252C	0.5
103	3/19/18 20:04	Room	Ceiling	Concrete	C	Intact	Off-White	2nd	252C	0.2
158	3/21/18 14:08	Room	Sink	Ceramic	C	Intact	White	3rd	332	0.4
164	3/21/18 14:13	Radiator	Cover	Metal	B	Intact	Brown	3rd	322	0.1
16	4/25/2018 14:36	Room	Wall	Ceramic	D	Intact	White	1st	135	0.2
18	4/25/2018 14:38	Door	Casing	Metal	A	Intact	Red	1st	135	0.1
20	4/25/2018 14:40	Room	Wall	Block	A	Intact	Off-White	1st	135	0.2
21	4/25/2018 14:41	Room	Baseboard	Ceramic	A	Intact	Light Blue	1st	135	0.1
22	4/25/2018 14:42	Room	Wall	Ceramic	B	Intact	Light Green	1st	131	0.2
26	4/25/2018 14:47	Window	Casing	Metal	A	Intact	Red	1st	128	0.1
30	4/25/2018 14:50	Door	Casing	Metal	A	Intact	Red	1st	124B	0.4
32	4/25/2018 14:52	Room	Wall	Gypsum	B	Intact	White	1st	124B	0.1
34	4/25/2018 14:56	Room	Wall	Block	A	Intact	Yellow	1st	124B	0.1
37	4/25/2018 14:57	Window	Casing	Metal	A	Intact	Red	1st	124A	0.3

**Table E-III
Summary of XRF Test Results - No Lead Detected**

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm ²)
39	3/19/18 15:55	Room	Ceiling	Concrete	D	Intact	White	1st	120	0
41	3/19/18 16:02	Door	---	Wood	B	Intact	Varnish	1st	123	0
42	3/19/18 16:03	Room	Floor	Concrete	Center	Intact	Gray	1st	123	0
43	3/19/18 16:04	Room	Floor	Wood	Center	Intact	Black	1st	123	0
44	3/19/18 16:23	Room	Sink	Ceramic	B	Intact	White	2nd	235	0
45	3/19/18 16:28	Radiator	Cover	Metal	B	Intact	Brown	2nd	228	0
46	3/19/18 16:29	Room	Wall	Concrete	B	Intact	White	2nd	228	0
47	3/19/18 16:39	Radiator	Cover	Metal	B	Intact	Brown	2nd	228	0
48	3/19/18 16:40	Radiator	Cover	Metal	B	Intact	Gray	2nd	228	0
50	3/19/18 16:47	Radiator	Cover	Metal	C	Intact	Brown	2nd	220	0
53	3/19/18 16:55	Room	Wall		B	Intact	White	2nd	216-218	0
54	3/19/18 16:56	Radiator	Cover	Metal	C	Intact	Brown	2nd	216-218	0
55	3/19/18 16:56	Room	Wall	Concrete	C	Intact	White	2nd	216-218	0
57	3/19/18 17:00	Door	---	Wood	A	Intact	Varnish	2nd	214	0
58	3/19/18 17:00	Room	Wall		C	Intact	White	2nd	214	0
59	3/19/18 17:01	Room	Ceiling	Concrete	Center	Intact	White	2nd	214	0
61	3/19/18 17:09	Room	Wall	Plaster	D	Intact	White	3rd	340A	0
63	3/19/18 17:11	Room	Toilet	Ceramic	D	Intact	White	3rd	340	0
64	3/19/18 18:13	Room	Wall	Ceramic	D	Intact	White	3rd	340	0
65	3/19/18 18:13	Room	Wall	Ceramic	D	Intact	White	3rd	165	0
66	3/19/18 18:13	Room	Wall	Ceramic	D	Intact	Tan	3rd	165	0
67	3/19/18 18:14	Room	Toilet	Ceramic	D	Intact	Tan	3rd	165	0
68	3/19/18 18:14	Room	Toilet	Ceramic	D	Intact	Tan	3rd	165	0
69	3/19/18 18:16	Room	Toilet	Ceramic	B	Intact	Tan	1st	168	0
70	3/19/18 18:17	Room	Wall	Ceramic	B	Intact	Light Gray	1st	168	0
71	3/19/18 18:17	Room	Wall	Ceramic	B	Intact	White	1st	168	0
72	3/19/18 18:30	Room	Ceiling	Gypsum	Center	Intact	White	1st	170	0
73	3/19/18 18:30	Room	Wall	Gypsum	Center	Intact	White	1st	170	0
74	3/19/18 18:41	Room	Wall	Gypsum	B	Intact	Tan	1st	170	0
75	3/19/18 18:52	Room	Wall		A	Intact	Red	2nd	202	0
76	3/19/18 18:53	Room	Wall		A	Intact	White	2nd	202	0
77	3/19/18 18:53	Door	Jamb	Metal	A	Intact	Red	2nd	202	0
78	3/19/18 18:54	Door	---	Wood	A	Intact	Varnish	2nd	202	0
79	3/19/18 19:06	Room	Locker	Metal	Center	Intact	Red	2nd	250	0
80	3/19/18 19:06	Room	Floor	Concrete	Center	Intact	Gray	2nd	250	0

**Table E-III
Summary of XRF Test Results - No Lead Detected**

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm ²)
81	3/19/18 19:07	Room	Locker	Metal	Center	Intact	Yellow	2nd	250	0
82	3/19/18 19:07	Room	Locker	Metal	Center	Intact	Red	2nd	250	0
83	3/19/18 19:09	Room	Toilet	Ceramic	D	Intact	White	2nd	250	0
84	3/19/18 19:10	Room	Baseboard	Ceramic	D	Intact	Light Blue	2nd	250	0
86	3/19/18 19:17	Room	Locker	Metal	A	Intact	Light Blue	2nd	250	0
90	3/19/18 19:44	Room			Center	Intact	White	2nd	256	0
91	3/19/18 19:45	Room	Sink	Ceramic	A	Intact	White	2nd	256A	0
93	3/19/18 19:49	Room	Locker	Metal	A	Intact	Gray	2nd	244	0
94	3/19/18 19:50	Room	Wall	Ceramic	A	Intact	Off-White	2nd	244	0
96	3/19/18 19:51	Room	Toilet	Ceramic	D	Intact	White	2nd	244	0
97	3/19/18 19:53	Room	Baseboard	Ceramic	D	Intact	Peach	2nd	242	0
98	3/19/18 19:56	Room	Baseboard	Ceramic	D	Intact	Yellow	2nd	242	0
100	3/19/18 20:01	Room	Wall		A	Intact	White	2nd	252	0
157	3/21/18 14:07	Room	Wall		C	Intact	White	3rd	332	0
159	3/21/18 14:08	Room	Toilet	Ceramic	C	Intact	White	3rd	332	0
160	3/21/18 14:08	Room	Toilet	Ceramic	C	Intact	White	3rd	332	0
161	3/21/18 14:11	Room	Wall		D	Intact	White	3rd	322	0
162	3/21/18 14:11	Door	Casing	Metal	D	Intact	Red	3rd	322	0
163	3/21/18 14:12	Room	Wall	Concrete	B	Intact	White	3rd	322	0
165	3/21/18 14:13	Room	Ceiling	Concrete	Center	Intact	White	3rd	322	0
166	3/21/18 14:15	Room	Wall		A	Intact	White	3rd	320	0
167	3/21/18 14:16	Door	Jamb	Metal	A	Intact	Red	3rd	320	0
168	3/21/18 14:17	Radiator	Cover	Metal	C	Intact	Brown	3rd	320	0
169	3/21/18 14:17	Room	Wall	Concrete	C	Intact	White	3rd	320	0
170	3/21/18 14:19	Room	Wall	Concrete	C	Intact	White	3rd	318	0
171	3/21/18 14:19	Radiator	Cover	Metal	C	Intact	Brown	3rd	318	0
172	3/21/18 14:21	Radiator	Cover	Metal	C	Intact	Brown	3rd	314	0
173	3/21/18 14:21	Room	Wall	Concrete	C	Intact	White	3rd	314	0
15	4/25/2018 14:36	Room	Wall	Ceramic	D	Intact	Tan	1st	135	0
17	4/25/2018 14:37	Room	Toilet	Ceramic	D	Intact	White	1st	135	0
19	4/25/2018 14:40	Door	---	Wood	A	Intact	Stain	1st	135	0
23	4/25/2018 14:43	Room	Toilet	Ceramic	B	Intact	Light Green	1st	131	0
24	4/25/2018 14:43	Room	Toilet	Ceramic	B	Intact	Light Green	1st	131	0
25	4/25/2018 14:46	Room	Wall	Block	A	Intact	White	1st	128	0
27	4/25/2018 14:48	Window	Casing	Metal	A	Intact	Red	1st	125A	0

**Table E-III
Summary of XRF Test Results - No Lead Detected**

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm ²)
28	4/25/2018 14:48	Room	Wall	Concrete	A	Intact	White	1st	125A	0
29	4/25/2018 14:50	Room	Wall	Block	A	Intact	Yellow	1st	124B	0
31	4/25/2018 14:51	Room	Ceiling	Plaster	Center	Intact	White	1st	124B	0
33	4/25/2018 14:53	Room	Ceiling	Plaster	Center	Intact	White	1st	124B	0
35	4/25/2018 14:56	Door	Casing	Metal	A	Intact	Red	1st	124B	0
36	4/25/2018 14:57	Door	---	Metal	A	Intact	Red	1st	124B	0
38	4/25/2018 14:57	Radiator	Cover	Metal	A	Intact	Brown	1st	124A	0
14	4/25/2018 14:58	Column	N/A	Concrete	B	Intact	Yellow	1st	124A	0

**Table E-IV
Summary of XRF Calibration Results**

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm ²)
104	3/19/18 20:10				Calibration					0.9
105	3/19/18 20:10				Calibration					0.9
106	3/19/18 20:10				Calibration					0.9
154	3/21/18 13:53				Calibration					1
155	3/21/18 13:53				Calibration					0.9
156	3/21/18 13:54				Calibration					0.9
174	3/21/18 14:24				Calibration					0.8
175	3/21/18 14:25				Calibration					0.9
176	3/21/18 14:25				Calibration					0.9
11	4/25/18 14:34				Calibration					1
12	4/25/18 14:34				Calibration					1
13	4/25/18 14:34				Calibration					1.1
177	4/25/18 14:59				Calibration					1
178	4/25/18 14:59				Calibration					1
179	4/25/18 15:00				Calibration					1

J.C. Broderick & Associates, Inc.

Environmental/Construction Consulting & Testing



1775 Expressway Drive Nor
Hempstead, NY 11789
631.584.5492
Fax: 631.584.3395
www.jcbroderick.com

July 24, 2023

Mr. James Riley
Highland Falls - Fort Montgomery Central School District
P.O. Box 287
Highland Falls, New York 10928

**Re: Bulk Sampling and Analysis of Suspect Asbestos Containing Building Materials
James I. O'Neill High School
21 Morgan Road
Highland Falls, New York 10928
Sampling Date: July 13, 2023**

JCB #: 23-55457

Dear Mr. Riley:

J.C. Broderick & Associates, Inc. (JCB) performed bulk sampling and analysis of suspect asbestos containing building materials (ACBM). The sampling was limited to the following suspect materials:

- Suspect asbestos containing materials impacted by water loss in first floor.

Inspection:

The inspection and subsequent bulk sampling was conducted by a New York State Department of Labor (NYS DOL) Licensed Consulting Firm by a certified asbestos inspector. The suspect materials identified were classified into homogenous material areas and then representative sampling of these materials was performed in accordance with the United States Environmental Protection Agency (US EPA) 40 CFR Part 763.86 (AHERA). Copies of JCB's license and certifications are included in the attachment of this report.

Chain of custody forms were prepared for the samples collected. The samples were delivered to EMSL Analytical Laboratories, Inc. (EMSL) for analysis. EMSL is an independent environmental laboratory accredited by the New York State Department of Health, Environmental Laboratory Approval Program and the United States Department of Commerce, National Voluntary Laboratory Approval Program. EMSL's certifications are included in the attachment of this report. Technical information regarding the methods of analysis are available upon request.

NYS DOL Industrial Code Rule 56-2.1(p) and US EPA 40 CFR Part 763.8 (AHERA) define an asbestos containing material (ACM) as any material or product which contains more than one percent (1%) of asbestos. In accordance with this definition, the table below summarizes the results of the laboratory analysis reported by EMSL.

Table 1.0: Summary of Result for Analysis of Suspect Asbestos Containing Building Materials			
ID	Material Description	Locations	Asbestos
A	Gypsum Wall Board	Throughout Scope of Work Locations	Not Asbestos
B	Joint Compound	Throughout Scope of Work Locations	Not Asbestos
C	12" x 12" Floor Tile, White w/ Gray	Room 120	Not Asbestos
D	12" x 12" Floor Tile, Light Pink	Room 120	Not Asbestos
E	12" x 12" Floor Tile, Green	Throughout Scope of Work Locations	Not Asbestos
F	12" x 12" Floor Tile, Beige w/ Brown and White	Throughout Scope of Work Locations	Not Asbestos
G	12" x 12" Floor Tile, Pink	Room 128	Not Asbestos
H	12" x 12" Floor Tile, Peach	Throughout Scope of Work Locations	Not Asbestos
I	12" x 12" Floor Tile, Beige Speckled	Guidance Offices	Not Asbestos
J	Lower 12" x 12" Floor Tile, Green	Guidance Offices	Not Asbestos
K	Lower 12" x 12" Floor Tile, Gray	Room 130	Not Asbestos
L	Lower 12" x 12" Floor Tile, White	Throughout Scope of Work Locations	Not Asbestos
M	Lower 12" x 12" Floor Tile, Light Gray	Guidance Offices	Not Asbestos
N	12" x 12" Floor Tile Mastic, Yellow	Throughout Scope of Work Locations	Not Asbestos
O	Floor Leveling Compound, Gray	Room 128	Not Asbestos
P	Floor Leveling Compound, Light Gray	Throughout Scope of Work Locations	Not Asbestos
Q	Carpet Mastic, Yellow	Throughout Scope of Work Locations	Not Asbestos
R	Carpet Mastic, Brown	Principal's Office	Not Asbestos
S	Carpet Mastic, Beige	Throughout Scope of Work Locations	Not Asbestos
T	Carpet Pad Mastic, Brown	Instrument Storage Rooms	Not Asbestos
U	Cove Base Molding	Throughout Scope of Work Locations	Not Asbestos
V	Cove Base Molding Mastic, Beige	Throughout Scope of Work Locations	Not Asbestos
*Previous sampling results per District's AMP.			
^Determined by previous sampling results & additional laboratory analysis attached to this report.			
NOTE: The results of this sampling/inspection are limited to the information specifically referenced within this table. It may not reflect all the assumed and/or confirmed ACBM within the referenced location(s). Refer to the District's AMP for additional information pertaining to the presence of other assumed and/or confirmed ACBM within the referenced location(s)/building.			
NOTE: "Throughout Building" refers to known locations as referenced in the District's AMP. Any material in unknown or concealed locations shall be assumed as asbestos containing.			

The intent of this inspection was to sample and analyze only the identified suspect ACBM. This survey was not intended to identify all ACBMs associated with the subject building and or the referenced subject spaces, unless otherwise noted.

No determination was made by JCB if the materials listed in the table are homogenous throughout the remaining portions of the building. That is, the findings of this inspection are limited to those areas specifically indicated in the table.

Any disturbance of the confirmed or assumed ACBM must be performed in accordance with all applicable federal, state, and local regulations. The intent of the table above was to report the building materials that are "asbestos-containing" in accordance with the US EPA and NYS DOL. This report was not intended for compliance with the United State Occupational Safety & Health Administration (OSHA) standards. The contractor is responsible for their own compliance with OSHA and shall refer directly to the laboratory reports. All confirmed ACBM that are not scheduled to be removed should be incorporated into the district's asbestos management plan.

The following information has been included in the attachments of this report.

- Drawings & Photologs
- Chain of Custody & Laboratory Analysis
- Laboratory Certifications
- JCB Certifications

If there are any questions, or if more information is needed, please feel free to call.

Sincerely,



Bryan Ezelius
Project Manager
J.C. BRODERICK & ASSOCIATES, INC.

Drawings & Photologs

J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395





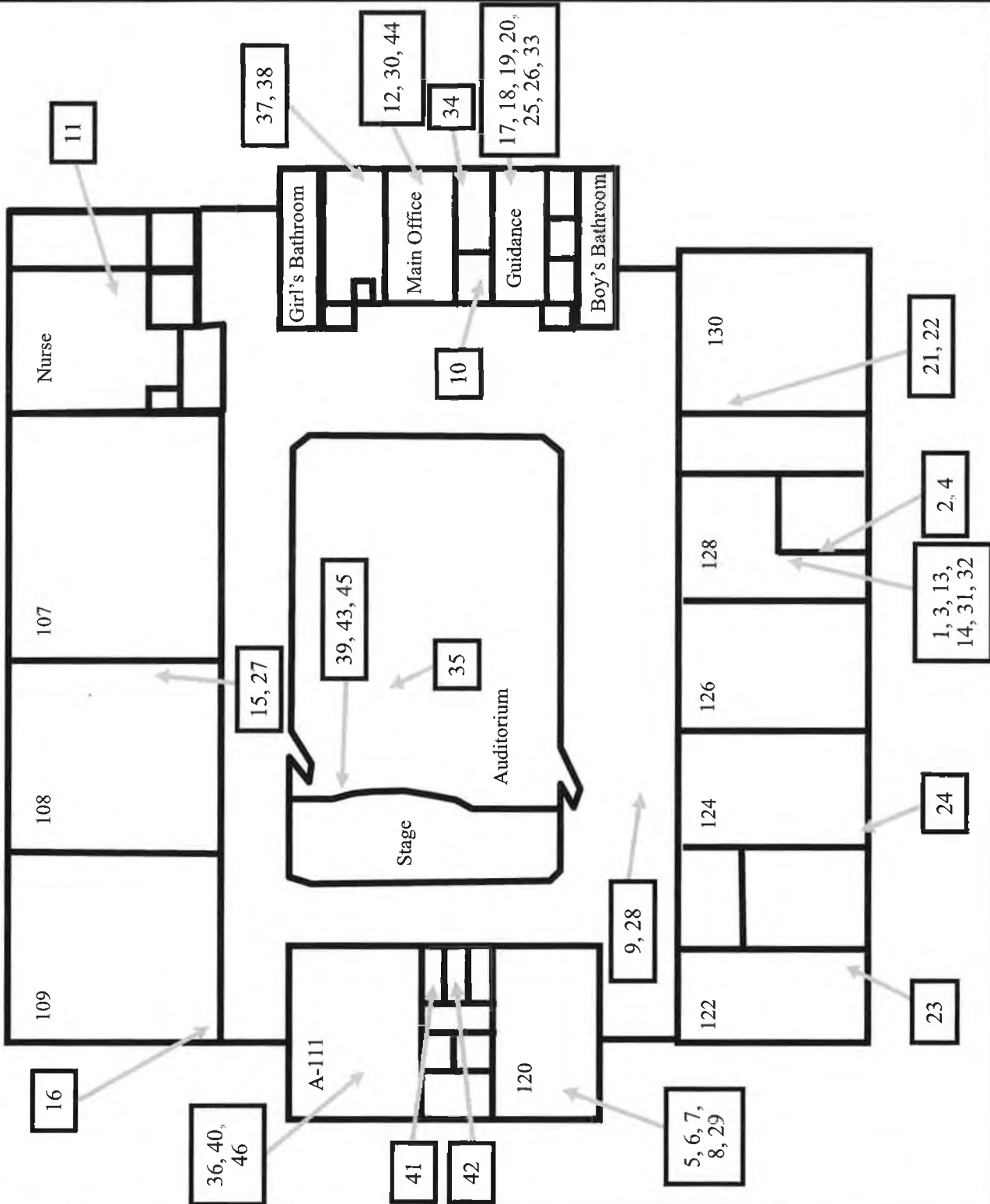
**J.C. BRODERICK
& Associates**

ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55457**

**Building Name:
James I. O'Neill
High School**

Sample Locations



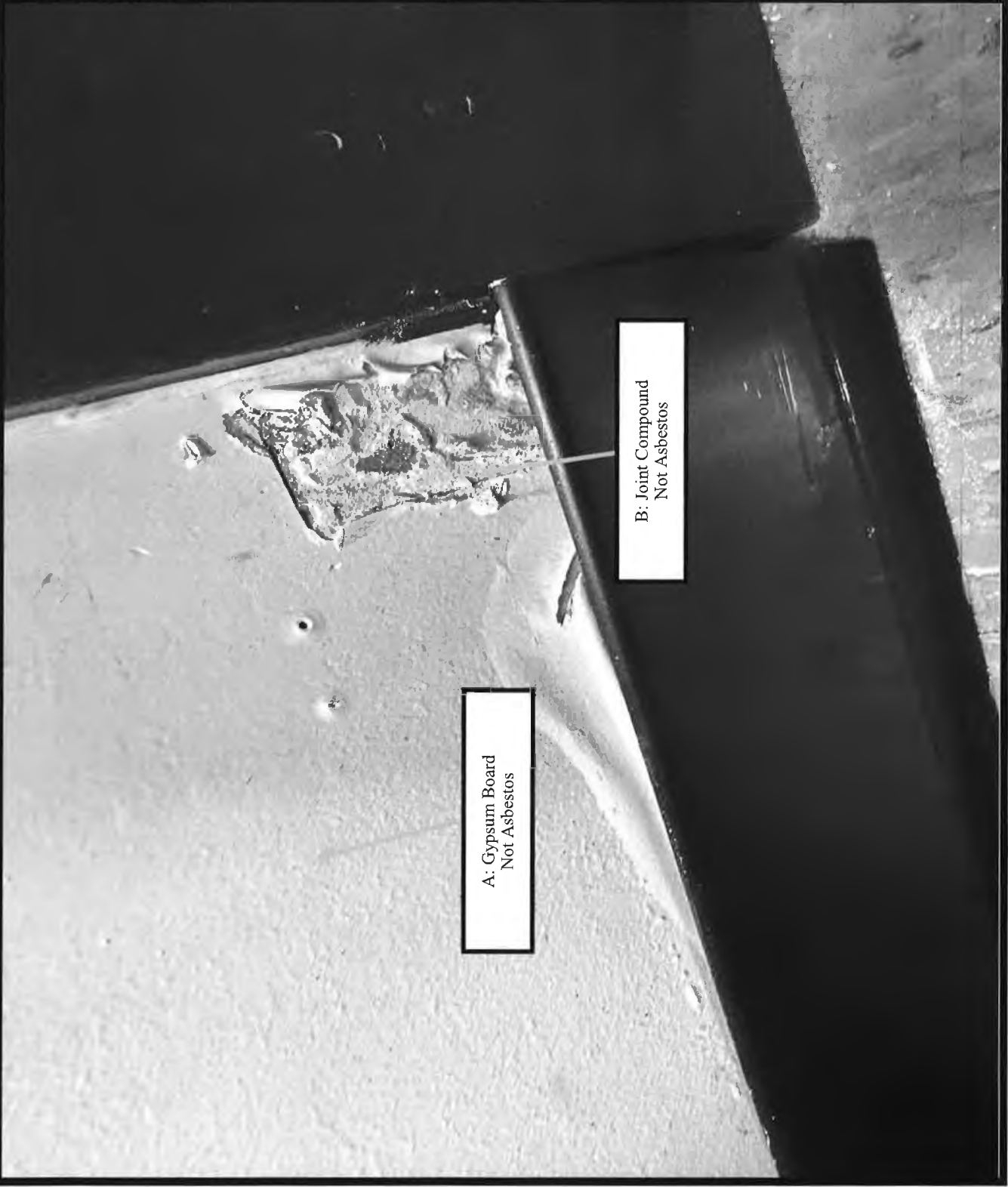


**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55457**

**Building Name:
James I. O'Neill
High School**

Photo Log



A: Gypsum Board
Not Asbestos

B: Joint Compound
Not Asbestos



**J.C. BRODERICK
& Associates**

**ENVIRONMENTAL
CONSULTING & TESTING**

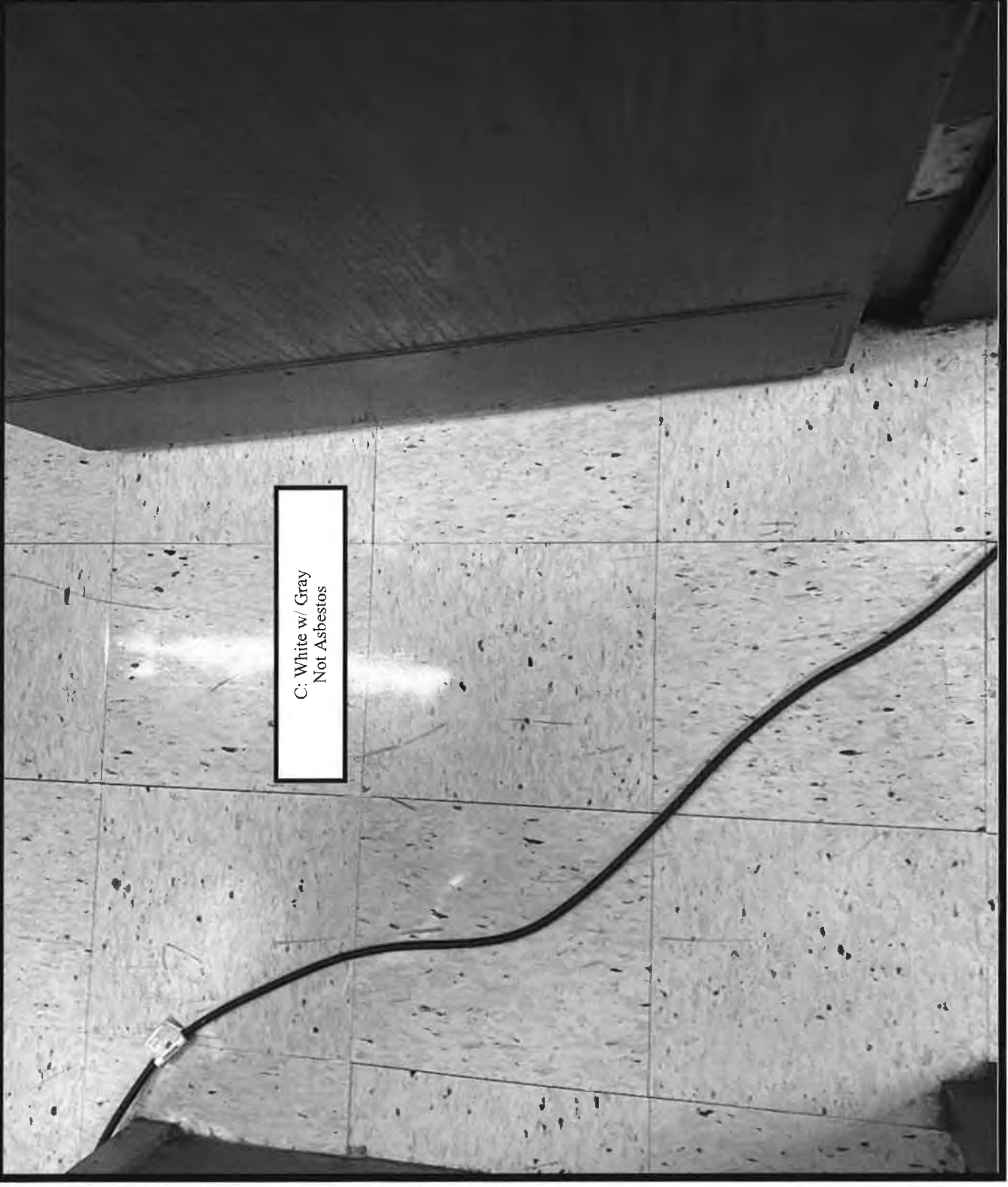
**1775 Expressway Drive North
Hauppauge, New York 11788**

631.584.5492 fax 631.584.5913

**Project No:
23-55457**

**Building Name:
James I. O'Neill
High School**

Photo Log

A black and white photograph of a floor tile. The tile is light-colored with a speckled pattern. A dark cable runs across the tile from the bottom left towards the right. A white rectangular label is placed on the tile, containing the text 'C: White w/ Gray Not Asbestos'. The background shows a dark baseboard and a portion of a wall.

**C: White w/ Gray
Not Asbestos**



**J.C. BRODERICK
& Associates**

**ENVIRONMENTAL
CONSULTING & TESTING**

**1775 Expressway Drive North
Hauppauge, New York 11788**

631.584.5492 fax 631.584.5913

**Project No:
23-55457**

**Building Name:
James I. O'Neill
High School**

Photo Log



**K: Lower Gray Floor Tile
Not Asbestos**

**E: 12" x 12" Floor Tile, Green
Not Asbestos**



**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55457**

**Building Name:
James I. O'Neill
High School**

Photo Log



F: 12" x 12" Beige w/ Brown and White
Not Asbestos



J.C. BRODERICK
& Associates

ENVIRONMENTAL
CONSULTING & TESTING

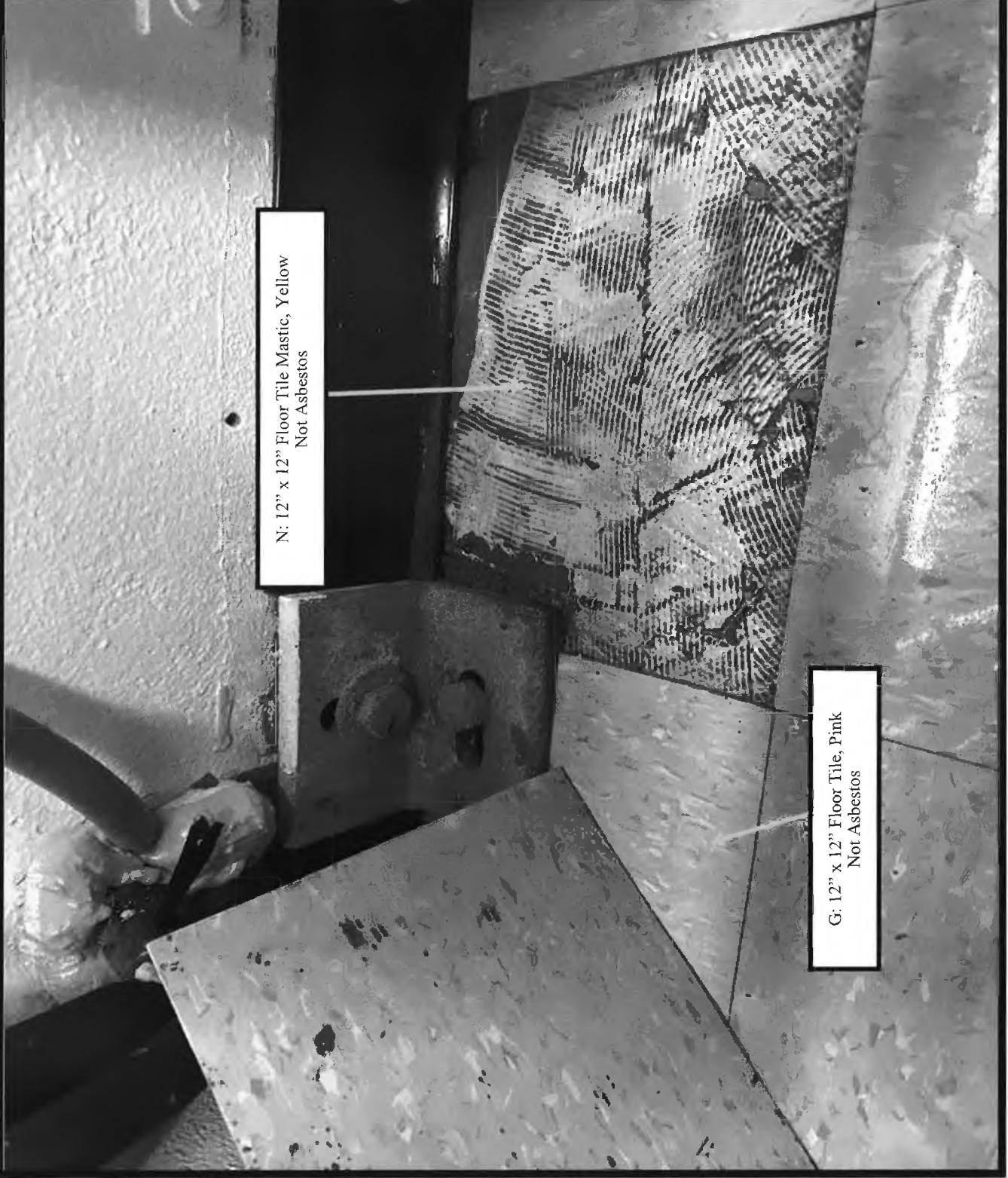
1775 Expressway Drive North
Hauppauge, New York 11788

631.584.5492 fax 631.584.5913

Project No:
23-55457

Building Name:
James I. O'Neill
High School

Photo Log



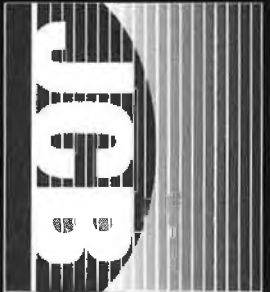
N: 12" x 12" Floor Tile Mastic, Yellow
Not Asbestos

G: 12" x 12" Floor Tile, Pink
Not Asbestos



I: 12" x 12" Floor Tile, Beige Speckled
Not Asbestos

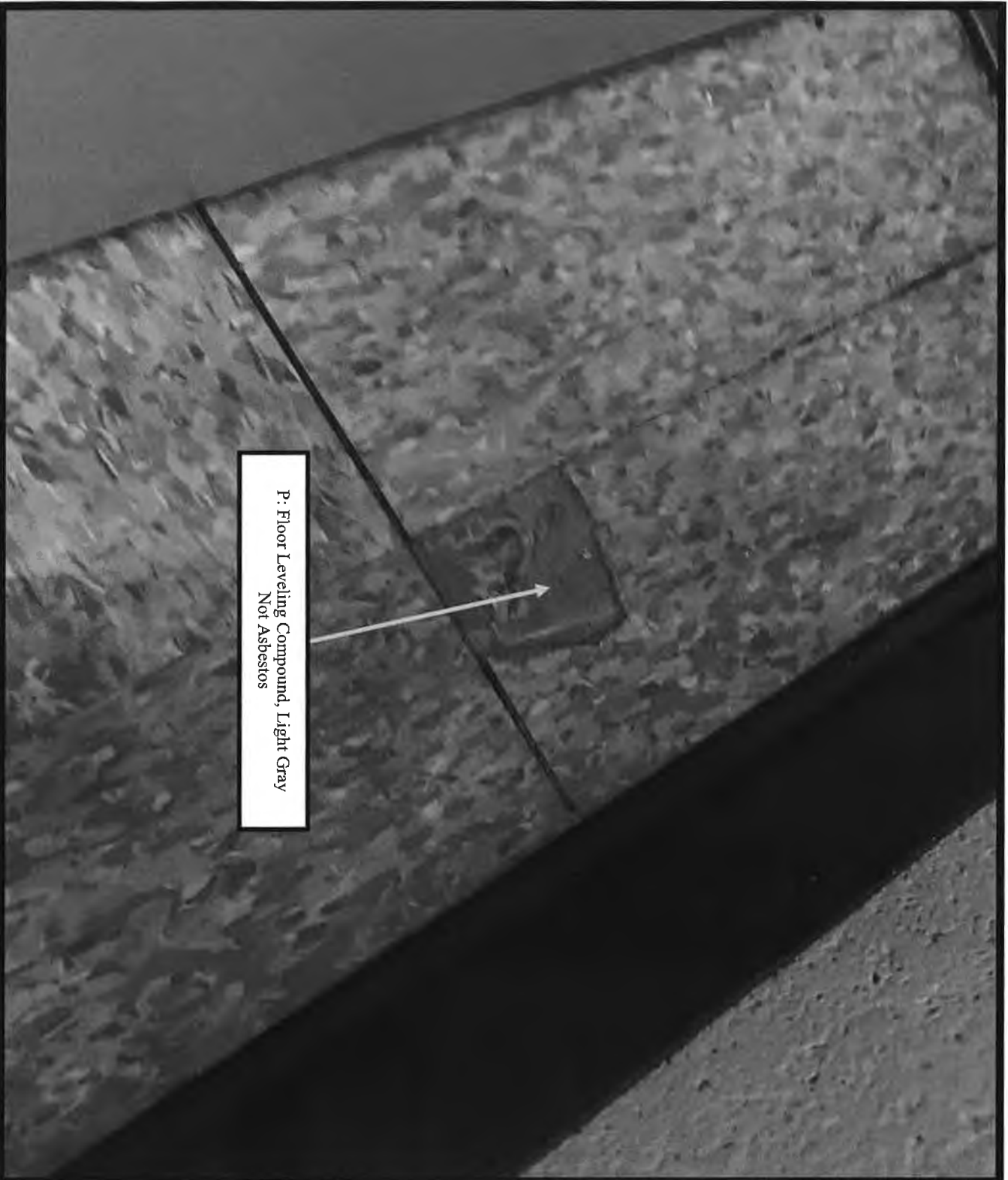
J: Lower Green Floor Tile
Not Asbestos



J.C. BRODERICK
& Associates
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

Project No:
23-55457
Building Name:
James I. O'Neill
High School

**Photo
Log**



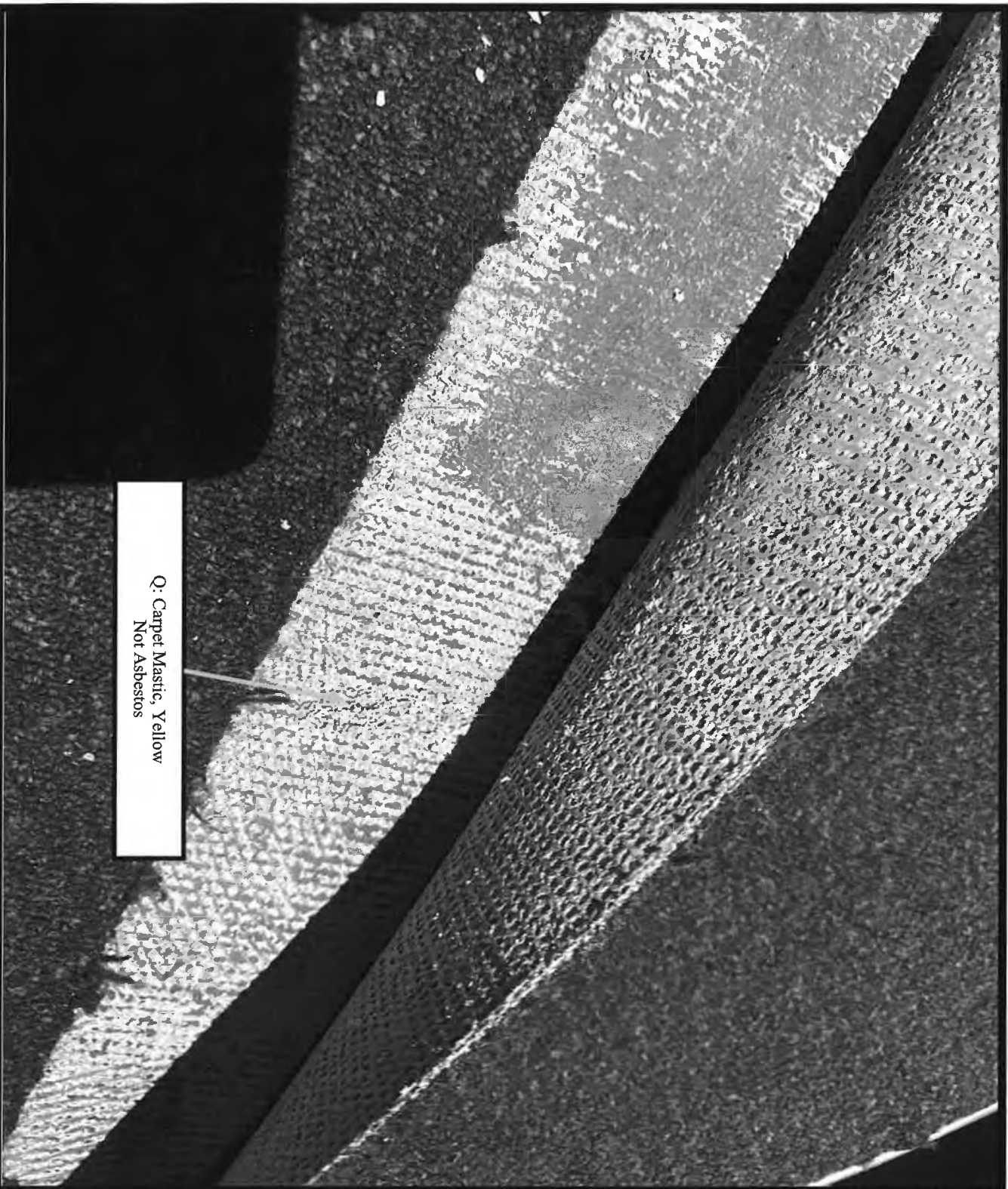
P: Floor Leveling Compound, Light Gray
Not Asbestos



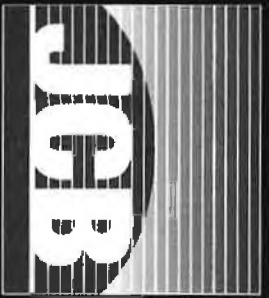
J.C. BRODERICK
& Associates
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

Project No:
23-55457
Building Name:
James I. O'Neill
High School

**Photo
Log**



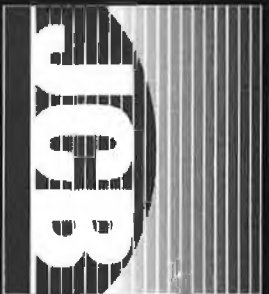
Q: Carpet Mastic, Yellow
Not Asbestos



**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

Project No:
23-55457
Building Name:
James I. O'Neill
High School

**Photo
Log**



J.C. BRODERICK
& Associates

ENVIRONMENTAL
CONSULTING & TESTING

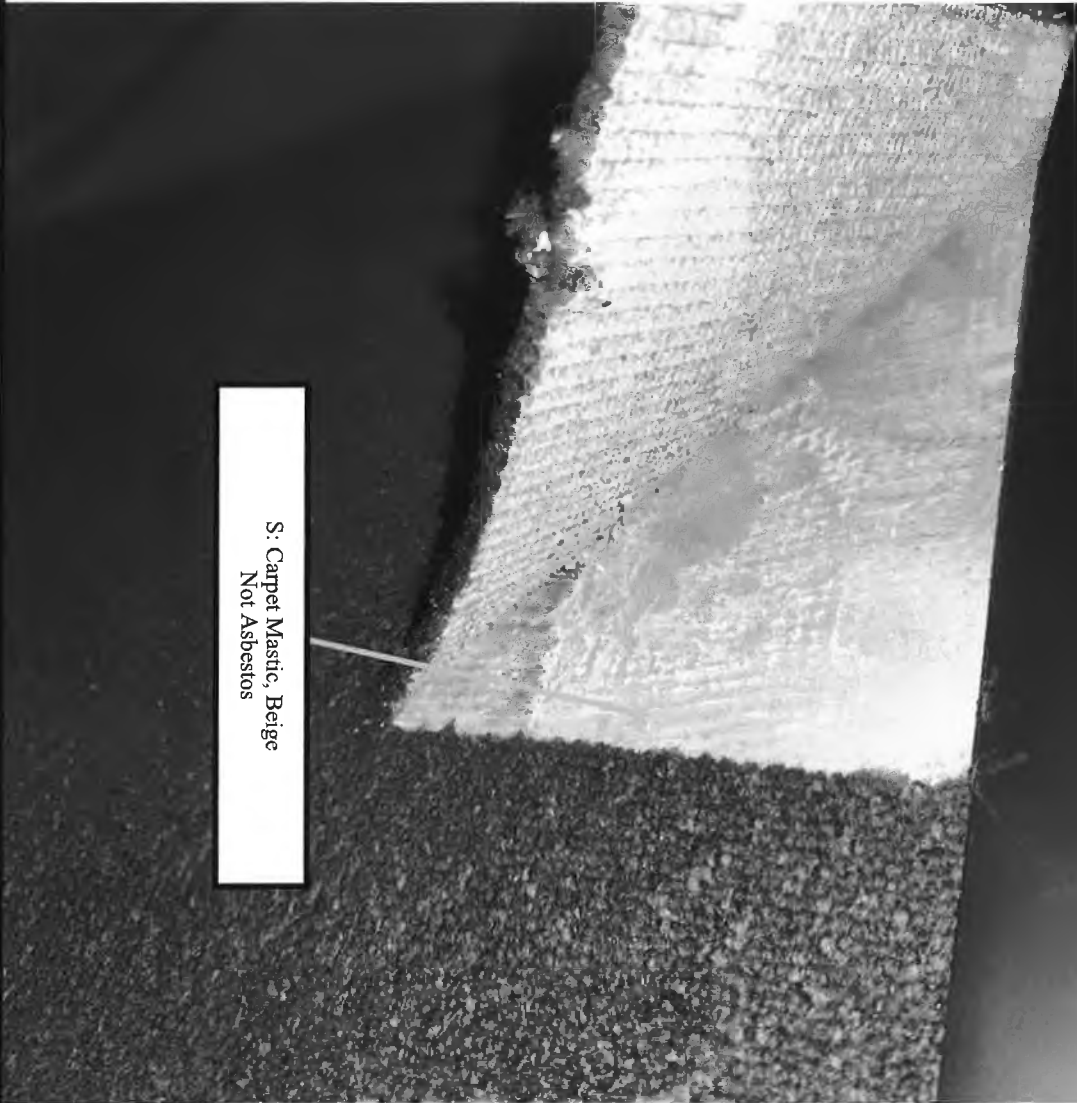
1775 Expressway Drive North
Hauppauge, New York 11788

631.584.5492 fax 631.584.5913

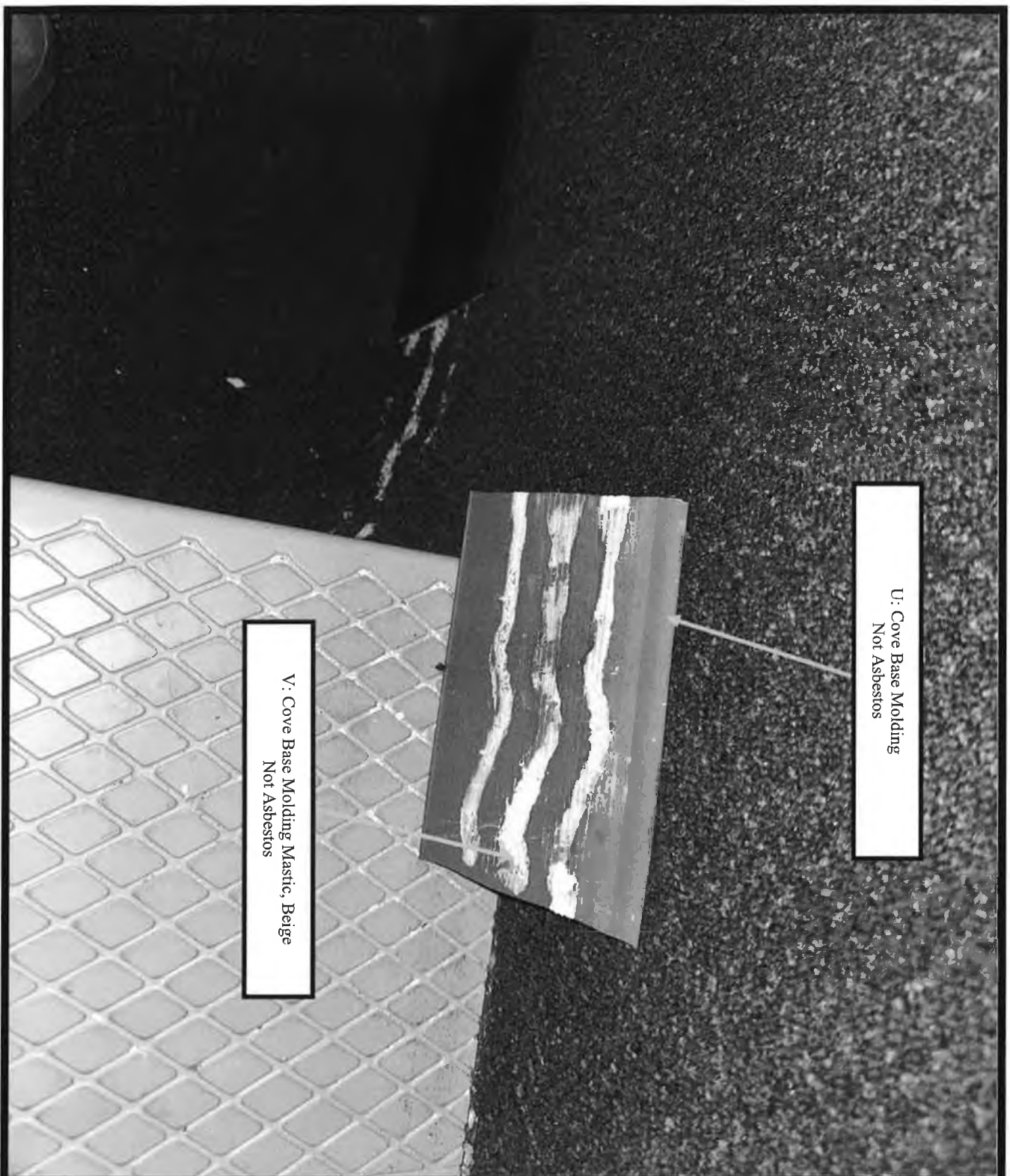
Project No:
23-55457

Building Name:
James I. O'Neill
High School

Photo
Log



S: Carpet Mastic, Beige
Not Asbestos



U: Cove Base Molding
Not Asbestos

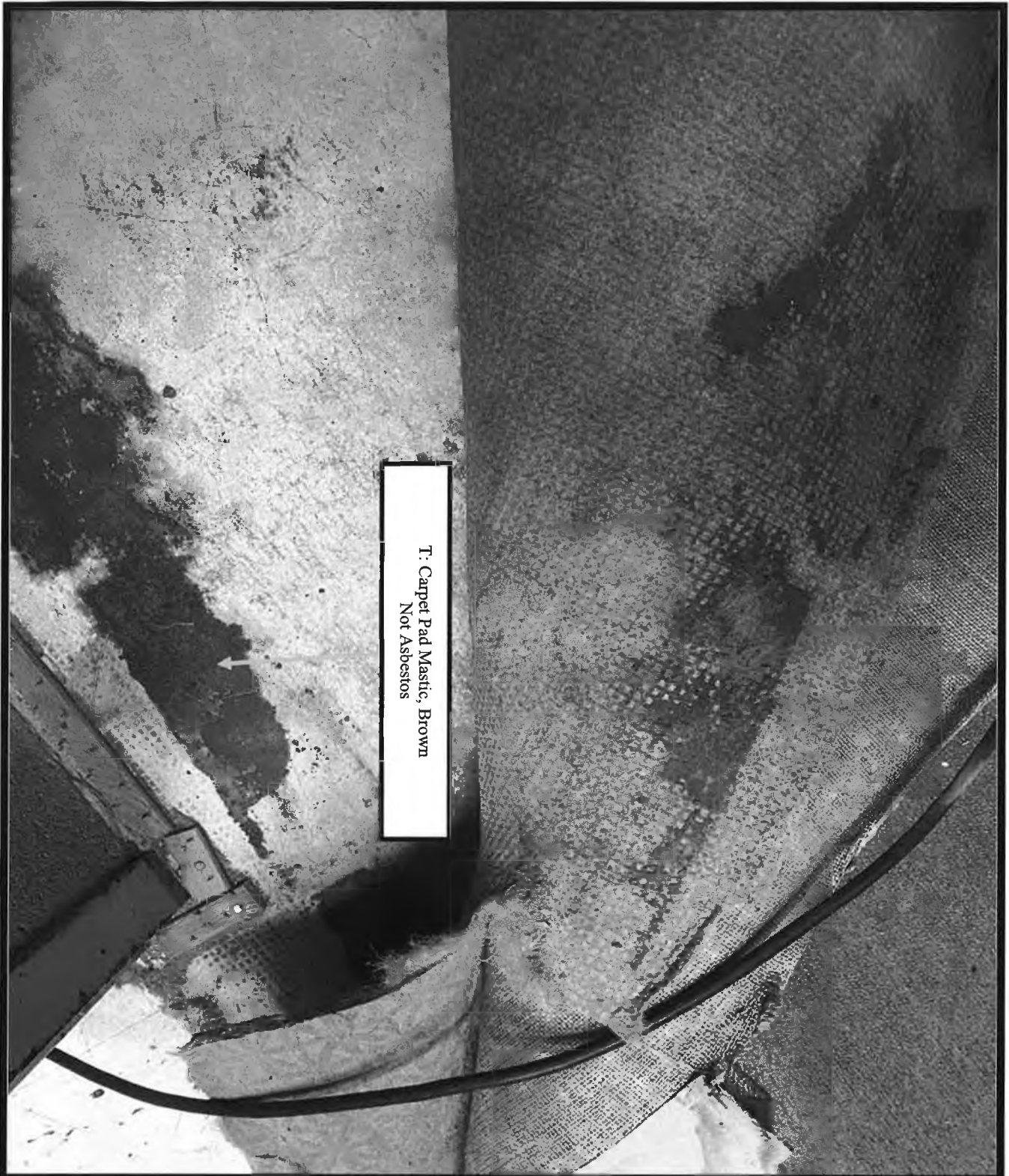
V: Cove Base Molding Mastic, Beige
Not Asbestos



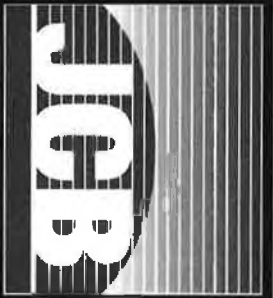
J.C. BRODERICK
& Associates
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5497 fax 631.584.5913

Project No:
23-55457
Building Name:
James I. O'Neill
High School

**Photo
Log**



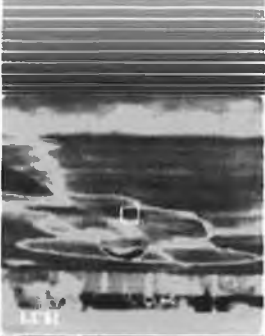
T: Carpet Pad Mastic, Brown
Not Asbestos



J.C. BRODERICK
& Associates
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

Project No:
23-55457
Building Name:
James I. O'Neill
High School

**Photo
Log**



J.C. Broderick & Associates, Inc.
Environmental Consulting & Testing
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.3395

Chain of Custody
&
Laboratory Analysis

062312715

BULK SAMPLING CHAIN OF CUSTODY RECORD

SITE: James J. O'Neill High School
 ADDRESS: 21 Noyes Rd., Highland Falls, NY 10926
 DATE: 7/13/2023
 CLIENT: Highland Falls - Fort Montgomery CSD
 PROJECT #: 23-55457

SAMPLER'S NAME: Jarrett Boniface
 SAMPLER'S SIGN: *[Signature]*
 LABORATORY: EM5L

TURNAROUND TIME: (CIRCLE ONE) 24 HOUR 12 HOUR 6 HOUR RUSH OTHER
 MANAGER: Bryan Ezelime

ANALYZE EACH MATERIAL TO 1ST POSITIVE

SAMPLE #	HM #	MATERIAL DESCRIPTION	SPACE ID / LOCATION	ANALYSIS METHOD
1	HM1	Gypsum Wall Board	Facility Director Office	Asbestos
2	↓	↓	Room 128	
3	HM2	Joint Compound, White	Facility Director Office	
4	↓	↓	Room 128	
5	HM3	12x12 Floor Tile, White w/ Gray	Room 120	
6	↓	↓	↓	
7	HM4	12x12 Floor Tile, Light Pink	Room 120	
8	↓	↓	↓	
9	HM5	12x12 Floor Tile, Green	Corridor ois Room 124	
10	↓	↓	Guidance Personnel	
11	HM6	12x12 Floor Tile, Beige w/ Brown & White	Nurse Office	
12	↓	↓	Room 134	
13	HM7	12x12 Floor Tile, Pink	Room 128	
14	↓	↓	↓	
15	HM8	12x12 Floor Tile, Peach	Room 108	
16	↓	↓	Room 109	
17	HM9	12x12 Floor Tile, Beige Speckled	Guidance Office	
18	↓	↓	↓	

SUBMITTED BY (PRINT) *[Signature]* RECEIVED BY (PRINT) *[Signature]* SIGNATURE *[Signature]* DATE 7/15/23 DATE 7/15/23 TIME 1:43 PM TIME 11:00 AM

COMMENTS: *[Signature]* ANALYST (PRINT) *[Signature]* SIGNATURE *[Signature]* DATE 7/14/23

J.C. BRODERICK & ASSOCIATES
 1775 Expressway Drive North ♦ HAUPPAUGE ♦ NEW YORK, 11788 ♦ PHONE: (631) 584-5492 ♦ FAX: (631) 584-3395
 7/15/23 *[Signature]* 7/15/23

062312715

BULK SAMPLING CHAIN OF CUSTODY RECORD

SITE: James I. O'Neill High School
 ADDRESS: 21 Morgan Rd, Highland Falls, NY 10928
 DATE: 7/13/2023
 CLIENT: Highland Falls - Fact Manufacturing CSD
 PROJECT #: 23-55457
 ANALYZE EACH MATERIAL TO 1ST POSITIVE

SAMPLER'S NAME: Jerrett Benisek
 SAMPLER'S SIGN: [Signature]
 LABORATORY: EMSL
 TURNAROUND TIME: 24 HOUR 12 HOUR 6 HOUR OTHER
 (CIRCLE ONE)
 MANAGER: Bryan Ezelius

SAMPLE #	HM #	MATERIAL DESCRIPTION	SPACE ID / LOCATION	ANALYSIS METHOD
19	HM 10	Lower 12x12 Floor Tile, Green	Guidance Office	Asbestos
20	HM 11	Lower 12x12 Floor Tile, Gray	Room 130	
21	HM 12	Lower 12x12 Floor Tile, White	122 Conference Room	
22	HM 13	Lower 12x12 Floor Tile, Light Gray	Room 124	
23	HM 14	12x12 Floor Tile Mastic, Yellow	Guidance Office	
24			Room 106	
25			Corridor o/s Room 124	
26			Room 120	
27			Room 134	
28			Room 128	
29			Guidance	
30			Main Office Assistant Principal	
31			Auditorium	
32			Band Room A-111	
33				
34				
35				
36				

SUBMITTED BY (PRINT) <u>Khanari</u>	SIGNATURE <u>[Signature]</u>	DATE <u>7/13/2023</u>	TIME <u>2:35 PM</u>	RECEIVED BY (PRINT) <u>Katey Wagon</u>	SIGNATURE <u>[Signature]</u>	DATE <u>7/13/23</u>	TIME <u>1:43 PM</u>
COMMENTS				ANALYST (PRINT) <u>SPTA R. S. C.</u>	SIGNATURE <u>[Signature]</u>	DATE <u>7/14/23</u>	TIME <u>11:00 AM</u>

J.C. BRODERICK & ASSOCIATES
 1775 Expressway Drive North ♦ HAUPPAUGE ♦ NEW YORK, 11788 ♦ PHONE: (631) 584-5492 ♦ FAX: (631) 584-3395

[Signature] 7/13/23

[Signature] 7/15/23

062512715

BULK SAMPLING CHAIN OF CUSTODY RECORD

SITE: James I O'Neill High School
 ADDRESS: 21 Morgan Rd, Highland Falls NY 10928
 DATE: 7/13/2023
 CLIENT: Highland Falls - Fact maintenance CSD
 PROJECT #: 23-55457

SAMPLER'S NAME: Jarrett Bonifazi
 SAMPLER'S SIGN: [Signature]
 LABORATORY: Emsl
 TURNAROUND TIME: (CIRCLE ONE) 4 HOUR 12 HOUR 6 HOUR RUSH OTHER
 MANAGER: Bryan Echeles

ANALYZE EACH MATERIAL TO 1ST POSITIVE

SAMPLE #	HM #	MATERIAL DESCRIPTION	SPACE ID / LOCATION	ANALYSIS METHOD
37	HM 18	Carpet Mastic, Brown	Principal Office	Asbestos
38	↓	↓	↓	↓
39	HM 19	Carpet Mastic/Beige	Auditorium Stage	Asbestos
40	↓	↓	Band Room A-111	Asbestos
41	HM 20	Carpet Pad Mastic/Brown	Instrument Storage A	Asbestos
42	↓	↓	Instrument Storage B	Asbestos
43	HM 21	Core Base Molding	Auditorium	Asbestos
44	↓	↓	Room 134	Asbestos
45	HM 22	Core Base Molding Mastic, Beige	Auditorium	Asbestos
46	↓	↓	Band Room A-111	Asbestos

SUBMITTED BY (PRINT)	SIGNATURE	DATE	TIME	RECEIVED BY (PRINT)	SIGNATURE	DATE	TIME
Kay Warner	[Signature]	7/14/2023	00:00	Kay Warner	[Signature]	7/15/23	13:43
SPM	[Signature]			SPM	[Signature]	7/14/23	11:28

J.C. BRODERICK & ASSOCIATES

1775 Expressway Drive North • HAUPPAUGE • NEW YORK, 11788 • PHONE: (631) 584-5492 • FAX: (631) 584-3395

7/15/23



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Attention: Bryan Ezelius
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788
Phone: (631) 584-5492
Fax:
Received Date: 07/14/2023 1:43 AM
Analysis Date: 07/14/2023 - 07/15/2023
Collected Date: 07/13/2023
Project: James I. O'Neill High School; 21 Morgan Rd., Highland Falls, NY 10928; Highland Falls - Fort Montgomery CSD; Project # 23-55457

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos			Asbestos
			Fibrous	Non-Fibrous		
Sample ID HM 1-1 062312715-0001			Description Facility Director Office - Gypsum Wall Board Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	07/14/2023	Brown/ White	6.00% Cellulose <1.00% Glass	9.00% Ca Carbonate 80.00% Gypsum 5.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID HM 1-2 062312715-0002			Description Room 128 - Gypsum Wall Board Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	07/14/2023	Brown/ White	2.00% Cellulose <1.00% Glass	13.00% Ca Carbonate 80.00% Gypsum 5.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID HM 2-3 062312715-0003			Description Facility Director Office - Joint Compound, White Homogeneity Homogeneous			
PLM NYS 198.1 Friable	07/14/2023	White		82.00% Ca Carbonate 3.00% Mica 15.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID HM 2-4 062312715-0004			Description Room 128 - Joint Compound, White Homogeneity Homogeneous			
PLM NYS 198.1 Friable	07/14/2023	White		87.00% Ca Carbonate 3.00% Mica 10.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM 3-5 062312715-0005		Description	Room 120 - 12"x12" Floor Tile, White w./ Gray		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	White		100.00% Other	None Detected
Sample ID HM 3-6 062312715-0006		Description	Room 120 - 12"x12" Floor Tile, White w./ Gray		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	White		100.00% Other	None Detected
Sample ID HM 4-7 062312715-0007		Description	Room 120 - 12"x12" Floor Tile, Light Pink		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Gray/ White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Gray/ White		100.00% Other	None Detected
Sample ID HM 4-8 062312715-0008		Description	Room 120 - 12"x12" Floor Tile, Light Pink		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Gray/ White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Gray/ White		100.00% Other	None Detected
Sample ID HM 5-9 062312715-0009		Description	Corridor o/s Room 125 - 12"x12" Floor Tile, Green		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Green		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Green		100.00% Other	None Detected
Sample ID HM 5-10 062312715-0010		Description	Guidance Personnel - 12"x12" Floor Tile, Green		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Green		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Green		100.00% Other	None Detected

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	HM 9-17		Description	Guidance Office - 12"x12" Floor Tile, Beige Speckled	
	062312715-0017		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected
Sample ID	HM 9-18		Description	Guidance Office - 12"x12" Floor Tile, Beige Speckled	
	062312715-0018		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected
Sample ID	HM 10-19		Description	Guidance Office - Lower 12"x12" Floor Tile, Green	
	062312715-0019		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Green		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Green		100.00% Other	None Detected
Sample ID	HM 10-20		Description	Guidance Office - Lower 12"x12" Floor Tile, Green	
	062312715-0020		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Green		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Green		100.00% Other	None Detected
Sample ID	HM 11-21		Description	Room 130 - Lower 12"x12" Floor Tile, Gray	
	062312715-0021		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Gray		100.00% Other	None Detected
Sample ID	HM 11-22		Description	Room 130 - Lower 12"x12" Floor Tile, Gray	
	062312715-0022		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Gray		100.00% Other	None Detected

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
 Tel/Fax: (516) 997-7251 / (516) 997-7528
 http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM 12-23 062312715-0023		Description	Room 122, Conference Room - Lower 12"x12" Floor Tile, White		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected
Sample ID HM 12-24 062312715-0024		Description	Room 124 - Lower 12"x12" Floor Tile, White		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected
Sample ID HM 13-25 062312715-0025		Description	Guidance Office - Lower 12"x12" Floor Tile, Light Gray		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Gray		100.00% Other	None Detected
Sample ID HM 13-26 062312715-0026		Description	Guidance Office - Lower 12"x12" Floor Tile, Light Gray		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Gray		100.00% Other	None Detected
Sample ID HM 14-27 062312715-0027		Description	Room 108 - 12"x12" Floor Tile Mastic, Yellow		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown/ Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown/ Tan	None	100.00% Other	<1% Chrysotile
Sample ID HM 14-28 062312715-0028		Description	Corridor o/s Room 124 - 12"x12" Floor Tile Mastic, Yellow		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
 Tel/Fax: (516) 997-7251 / (516) 997-7528
 http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM 14-29 062312715-0029			Description Room 120 - 12"x12" Floor Tile Mastic, Yellow		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 14-30 062312715-0030			Description Room 134 - 12"x12" Floor Tile Mastic, Yellow		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	07/15/2023	Brown	None	100.00% Other	<1% Chrysotile
Sample ID HM 15-31 062312715-0031			Description Room 128 - Floor Leveling Compound, Gray		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	Brown/ Gray	5.00% Cellulose	25.00% Ca Carbonate 50.00% Gypsum 5.00% Non-fibrous (other) 15.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM 15-32 062312715-0032			Description Room 128 - Floor Leveling Compound, Gray		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	Brown/ Gray	7.00% Cellulose	15.00% Ca Carbonate 50.00% Gypsum 5.00% Non-fibrous (other) 23.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM 16-33 062312715-0033			Description Guidance - Floor Leveling Compound, Light Gray		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	Gray		25.00% Ca Carbonate 65.00% Gypsum 10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM 16-34 062312715-0034		Description	Main Office, Assistant Principal - Floor Leveling Compound, Light Gray		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	Gray		30.00% Ca Carbonate 60.00% Gypsum 10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM 17-35 062312715-0035		Description	Auditorium - Carpet Mastic, Yellow		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Tan		100.00% Other	None Detected
Sample ID HM 17-36 062312715-0036		Description	Band Room A-111 - Carpet Mastic, Yellow		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	07/15/2023	Beige	None	100.00% Other	<1% Chrysotile
Sample ID HM 18-37 062312715-0037		Description	Pricipal Office - Carpet Mastic, Brown		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 18-38 062312715-0038		Description	Pricipal Office - Carpet Mastic, Brown		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 19-39 062312715-0039		Description	Auditorium Stage - Carpet Mastic, Beige		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715

Customer ID: JCBR50

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM 19-40 062312715-0040		Description	Band Room A-111 - Carpet Mastic, Beige		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected
Sample ID HM 20-41 062312715-0041		Description	Instrumnet Storage A - Carpet Pad Mastic, Brown		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 20-42 062312715-0042		Description	Instrumnet Storage B - Carpet Pad Mastic, Brown		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 21-43 062312715-0043		Description	Auditorium - Cove Base Molding		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 21-44 062312715-0044		Description	Rom 134 - Cove Base Molding		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Brown		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Brown		100.00% Other	None Detected
Sample ID HM 22-45 062312715-0045		Description	Auditorium - Cove Base Molding Mastic, Beige		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	HM 22-46	Description	Band Room A-111 - Cove Base Molding Mastic, Beige		
	062312715-0046	Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/15/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/15/2023	Beige		100.00% Other	None Detected

Initial report from: 07/15/2023 21:55:04



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312715
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 7/14/2023
Analysis Completed Date: 7/15/2023

Sample Receipt Time: 1:43 PM
Analysis Completed Time: 11:22 AM

Analyst(s):

Steve Jusczuk PLM NYS 198.1 Friable (8)

April Schmuck PLM NYS 198.6 NOB (38)

Ricky Calzolano TEM NYS 198.4 NOB (38)

Samples reviewed and approved by:

Daniel Clarke, Asbestos Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government . Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY NYS ELAP 11469, NVLAP Lab Code 101048-10

Initial report from: 07/15/2023 21:55:04

Laboratory Certifications



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. DANIEL CLARKE
EMSL ANALYTICAL, INC.
528 MINEOLA AVE.
CARLE PLACE, NY 11514

NY Lab Id No: 11469

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

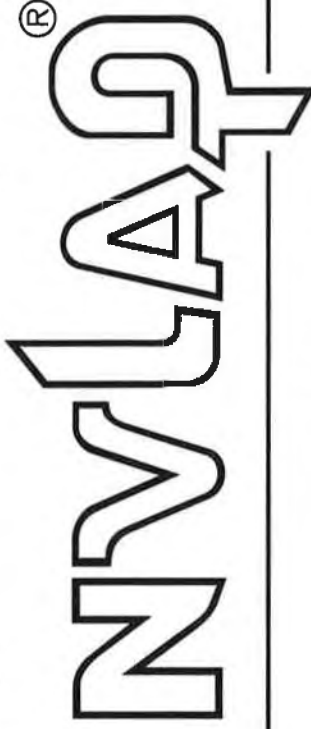
Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Mate	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3051A

Serial No.: 66399

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-10

EMSL Analytical, Inc.

Carle Place, NY

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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2023-07-01 through 2024-06-30

Effective Dates



A handwritten signature in black ink, appearing to read "Paul S. Gorman".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
528 Mineola Ave.
Carle Place, NY 11514
Mr. Daniel Clarke
Phone: 516-997-7251
Email: dclarke@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

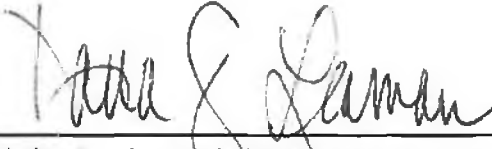
NVLAP LAB CODE 101048-10

Bulk Asbestos Analysis

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

Airborne Asbestos Analysis

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



For the National Voluntary Laboratory Accreditation Program

JCB Certifications



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395



Limited Hazardous Material Pre-Renovation Survey Report

Highland Falls-Fort Montgomery Central School District
High School (Roof)
21 Morgan Road
Highland Falls, N.Y. 10928

Prepared for:
Mr. Christopher Kirwan-Director of Facilities
Highland Falls-Fort Montgomery CSD
21 Morgan Road,
Highland Falls, N.Y. 10928

September 27, 2023
C&S Project # AH4.001.001



Table of Contents

1.0 Introduction	2
2.0 Scope of Services.....	2
3.0 Records Review	2
4.0 Asbestos Survey.....	2
4.1 Asbestos Sampling Methodologies.....	2
4.2 Asbestos Laboratory Methodologies.....	3
4.3 Suspect Asbestos Materials Sampled.....	3
4.4 Asbestos Bulk Sampling Summary	4
4.5 Materials Containing Trace Asbestos.....	4
4.6 Asbestos-Containing Materials Report Notifications.....	4
4.7 Asbestos Recommendations	5
5.0 Lead-Based Paint Recommendations.....	5
6.0 PCB Caulk Inspection.....	5
6.1 PCB Laboratory Accreditations & Methodology	5
6.2 Suspect PCB Caulk Samples Collected	5
6.3 PCB Bulk Sampling Summary.....	6
7.0 Universal Waste.....	6

Appendices

Appendix A: NYSDOL Company & Personnel Licensure, NYSDOH Lab Certifications

Appendix B: Asbestos Bulk Sample Report

Appendix C: PCB Bulk Sample Report

Appendix D: Figure 1

Appendix E: Photo Log

1.0 Introduction

C&S Companies (C&S) was retained by the Highland Falls-Fort Montgomery Central School District (HFFM CSD) to complete a limited hazardous material pre-renovation survey of the High School, located at 21 Morgan Road, Highland Falls, New York. The survey was limited to roof materials scheduled to be impacted by the upcoming project as identified on progress drawings prepared by BCA Architects & Engineers.

2.0 Scope of Services

The survey was conducted for the purpose of investigating and/or sampling asbestos-containing materials (ACMs), presumed asbestos-containing materials (PACMs), lead-based paints (LBPs), polychlorinated biphenyls (PCBs) in caulk, and suspect “universal” items that may potentially contain hazardous waste. Sampling was limited to the Roof Sections A,B,C, D & F.

3.0 Records Review

The HFFM CSD provided access to the US Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) *2019 Surveillance Report* in preparation for the project. No information was included regarding the roofing system or previous abatement activities associated with the roofing system. J.C. Broderick & Associates, Inc. prepared a *Summary of Environmental Sampling Report*, dated September 20, 2023, sampling was associated with interior building materials that were impacted by recent water damage and did not include any roofing.

4.0 Asbestos Survey

C&S Companies’ New York State Department of Labor (NYS DOL) Certified Asbestos Building Inspectors Randy Arnold and Bridget Ruane conducted the survey for suspect ACMs and presumed asbestos-containing materials (PACMs). A total of thirty (30) samples were collected during this sampling event the investigation included the collection, identification, assessment, plotting location and quantification of all identified ACMs and PACMs within the renovation area.

4.1 Asbestos Sampling Methodologies

Suspect building materials were investigated/sampled. Samples of homogenous areas/materials were submitted in a series (A, B, C) for analysis, laboratory results are reported as percent (%) by weight and type of asbestos present. Friable and non-friable bulk samples were analyzed for asbestos content in accordance with the following regulations:

- ◆ National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- ◆ New York State Department of Labor Industrial Code Rule 56 (ICR-56)
- ◆ Occupational and Health Administration (OSHA) Regulation 29 CFR 1910.1001 and 29 CFR 1926.1101.

4.2 Asbestos Laboratory Methodologies

Suspect building material samples were sent to AmeriSci New York, (an accredited and licensed laboratory), analysis was conducted in accordance with New York State Department of Health (NYSDOH) Environmental Laboratory Program (ELAP) and National Voluntary Laboratory Accreditation Program (NVLAP). Analysis was conducted in accordance with the following methodologies:

- ◆ Polarized Light Microscopy (PLM) and Dispersion Staining Techniques (198.1 methodology)
- ◆ Non-Friable Organically Bound (NOB) (198.6 and 198.4 methodology)

4.3 Suspect Asbestos Materials Sampled

The following table includes sample identification, material description, sample location and laboratory results for the material. ACMs are identified in bold font.

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
LS-001A,B	Black Lap Sealant	Roof C	NAD
PC-002A,B	Gray Panel Coating @ Corrugated Metal Wall Panels	Roof D	2.9% Chrysotile
WST-003A,B	Yellow Textured Wall/Soffit Skim Coat	Exterior	NAD
TBCLK-004A,B	Gray Termination Bar Caulk	Roof C	NAD
TBCLK-005A,B	White Term Bar Caulk	Roof C	NAD
TAR-006A,B	Black Tar on Concrete Deck	Roof C	NAD
IP-007A,B	Black Shiny Paper on Insulation Board	Roof A (N/S)	NAD
WF-008A,B	Black Wall Flashing/Tar (under EPDM)	Roof A-S	1.6% Chrysotile
SCLK-009A,B	Black Caulk at Skylights	Roof D	NAD
<i>TAR-010A,B</i>	<i>Black Tar on Concrete Deck</i>	<i>Roof D</i>	<i>Trace</i>
IP-011A,B	Black Shiny Paper on Insulation Board	Roof D	NAD
WF-012A,B	Black Wall Flashing (under EPDM)	Roof A	2.4% Chrysotile
MAS-013A,B	Black Mastic @ Fiberglass Insulation Duct Jacketing	Roof A	NAD

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
SEAL-014A,B	Gray Sealant @ RTU Legs	Roof A	NAD
DECK-015A,B	Concrete Deck	Roof C	NAD

Table Notes

NAD = No Asbestos Detected
 TRACE = Less Than 1% Asbestos

4.4 Asbestos Bulk Sampling Summary

The following table summarizes ACMS, as identified by laboratory analysis during the pre-renovation survey. Asbestos laboratory report and chain of custodies are included in Appendix B of this report.

Table 2: Asbestos-Containing Materials

ACM DESCRIPTION	ACM LOCATION	ESTIMATED QUANTITY	MATERIAL CONDITION
Gray Wall Panel Coating @ Corrugated Metal Panels	Building D-Exterior Walls	5,000 SF	NF, Intact
Black Wall Flashing/Tar (under EPDM)	Roof Sections, B,C,F & G	1,300 SF	NF. Intact

Table Notes:

LF= Lineal Feet, SF = Square Feet
 F= Friable, NF= Non-Friable

4.5 Materials Containing Trace Asbestos

It should be noted that the Occupational Safety & Health Administration (OSHA) Asbestos Standard (29 CFR 1926.1101) has a definition for both "asbestos" and "asbestos-containing material." Under OSHA Asbestos Standard, the definition of asbestos covers all building materials containing any detectable concentration of asbestos, including those with concentrations less than or equal to one percent asbestos. Although work operations conducted in areas where a material contains less than or equal to one percent asbestos is an "unclassified" operation, the employer still must follow the requirements of 29 CFR 1926.1101(g)(1) [except (g)(1)(i)], (g)(2) and (g)(3) that describe engineering and work practice controls operations to prevent unnecessary asbestos exposures to their employees (i.e. worker protection regulations).

4.6 Asbestos-Containing Materials Report Notifications

- ◆ One copy of the completed ACM survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for demolition, renovation, remodeling or repair work under applicable State or local laws.
- ◆ The completed asbestos survey shall be kept at the construction site throughout the duration of the demolition, renovation, remodeling or repair work.

4.7 Asbestos Recommendations

Building materials, not specifically identified in this report, which are identified during the project shall be “presumed” asbestos-containing materials and handled accordingly. These materials must be examined by a New York State Department of Labor Certified Asbestos Building Inspector, collection of samples and analysis must be performed. In accordance with both state and federal regulations, ACMs and PACMs must be handled and disposed of by a licensed NYSDOL asbestos abatement contractor prior to any renovation or demolition-related activities.

5.0 Lead-Based Paint Recommendations

All suspect paint applications shall be presumed LBP in accordance with Occupational Safety & Health Administration (OSHA) 29 CFR Part 1926.62, Lead in Construction Standard. Any contractor disturbing LBP or lead containing materials (less than 0.5% lead by weight) (LCMs) shall comply with all requirements of 29 CFR Part 1926.62. The intent is for the Contractor to protect their workers and other building occupants from unnecessary exposures to lead.

6.0 PCB Caulk Inspection

During the pre-renovation survey, C&S Companies industrial hygiene technicians, Randy Arnold and Bridget Ruane inspected the proposed renovation area for suspect caulking applications. Five (5) representative caulk/sealant applications associated with the proposed renovation area were identified and collected, bulk samples are currently undergoing analysis by EPA 8082A series analysis method. The report will be updated as results are available.

6.1 PCB Laboratory Accreditations & Methodology

PCB bulk samples were sent to Schneider Laboratories Global, Inc. (an accredited and licensed laboratory):

- ◆ New York State Department of Health (NYSDOH) Environmental Laboratory Program (ELAP) ISO-17025
- ◆ National Environmental Laboratory Accreditation Conference Standards for the category Environmental Analyses Solid and Hazardous Waste

6.2 Suspect PCB Caulk Samples Collected

The following table includes sample identification, material description, sample location and laboratory results

Table 3: PCB Bulk Sampling Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION	PCB CONTENT
PC-002P	Gray Panel Coating @ Corrugated Metal Wall Panels	Roof D	BRL
TBCLK-004P	Gray Termination Bar Caulk	Roof C	BRL
TBCLK-005P	White Term Bar Caulk	Roof C	BRL



Table 3: PCB Bulk Sampling Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION	PCB CONTENT
SCLK-009P	Black Caulk at Skylights	Roof D	BRL
SEAL-014P	Gray Sealant @ RTU Legs	Roof A	BRL

Table Notes:

BRL = Below Reporting Limit

TBD=To Be Determined

6.3 PCB Bulk Sampling Summary

By regulatory definition, a PCB-containing bulk material is defined as any building material containing at least 50 parts per million (ppm) PCBs. None of the samples collected were found to be PCB containing at concentrations greater than 50 ppm.

7.0 Universal Waste

During the pre-renovation survey, C&S Companies industrial hygiene technicians, Randy Arnold and Bridget Ruane performed a visual assessment of the proposed renovation area for suspect items that may potentially be classified as universal waste, such as (fluorescent lamps, thermostats, batteries, cleaning chemicals, etc.). C&S did not identify any suspect items within the proposed renovation area based on the current scope of work.

This report was produced exclusively for the Highland Falls-Fort Montgomery Central School District. No other party is entitled to distribute or use this report without prior written consent of HFFM CSD or C&S Companies.

Sincerely,

Randy Arnold
Sr. Project Environmental Scientist
C&S Companies

Bridget Ruane
Project Environmental Scientist
C&S Companies



[Appendix A](#)

NYS DOL Company License, Personnel Certifications & Lab
Certifications

WE ARE YOUR DOL



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

C & S Engineers, Inc.
499 Col. Eileen Collins Blvd., Syracuse, NY, 13212

License Number: 29004
License Class: RESTRICTED
Date of Issue: 01/24/2023
Expiration Date: 01/31/2024

Duly Authorized Representative: Aileen Maguire Meyer

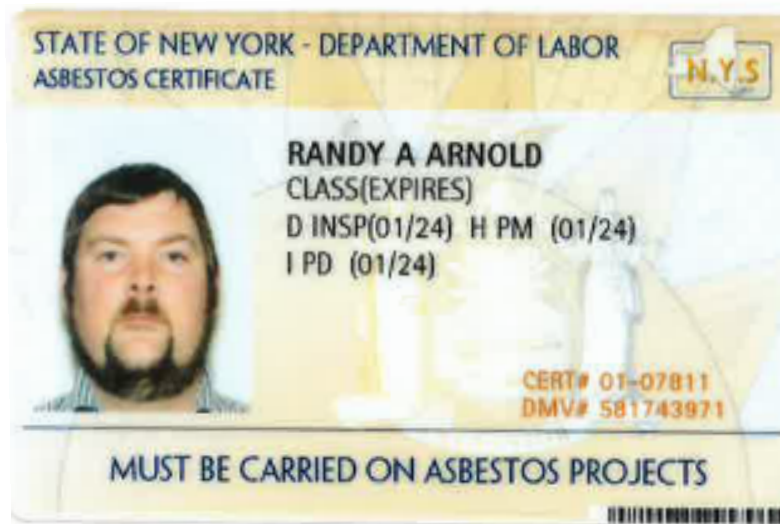
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

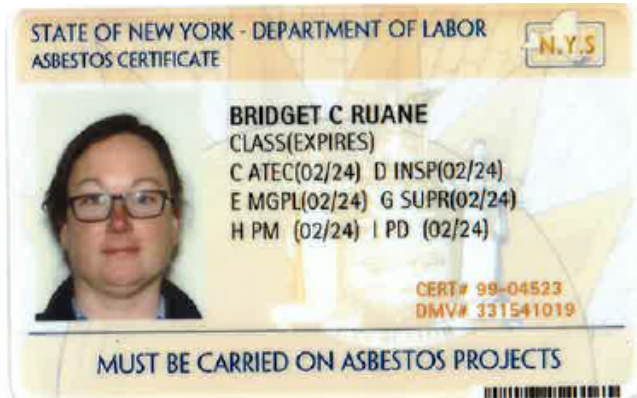
Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

ASBESTOS CERTIFICATION



ASBESTOS CERTIFICATION





Department of Health

KATHY HOCHUL
Governor

JAMES V. McDONALD, M.D., M.P.H.
Acting Commissioner

MEGAN E. BALDWIN
Acting Executive Deputy Commissioner

LAB ID: 11480

March 30, 2023

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

Certificate Expiration Date:
April 01, 2024

Dear Ms. Lu,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Amy J. Steuerwald, Ph.D.
Director, Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016*

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Miscellaneous

Asbestos EPA 100.2



Serial No.: 66401

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016*

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual



Serial No.: 66402

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016*

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Miscellaneous

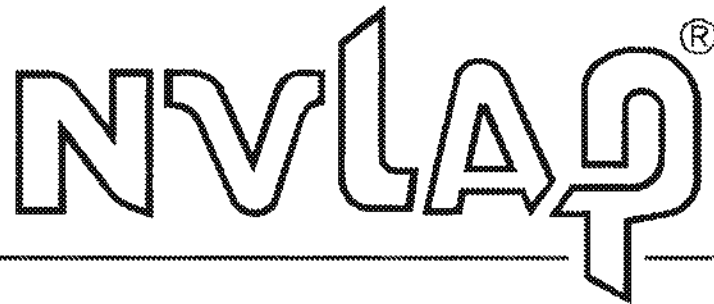
Asbestos	40 CFR 763 APX A No. III YAMATE, AGARWAL GIBB NIOSH 7402
Fibers	NIOSH 7400 A RULES



Serial No.: 66403

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY


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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2022-09-02 through 2023-06-30

Effective Dates



Steve J. Seaman
For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Metals I

Lead, Total

EPA 200.9 Rev. 2.2



Serial No.: 66373

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals I

Barium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Calcium, Total	EPA 6010D
Chromium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Copper, Total	EPA 6010D
Iron, Total	EPA 6010D
Lead, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 7000B EPA 200.9 Rev. 2.2 (1994)
Magnesium, Total	EPA 6010D
Manganese, Total	EPA 6010D
Nickel, Total	EPA 6010D
Potassium, Total	EPA 6010D
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Sodium, Total	EPA 6010D

Metals II

Aluminum, Total	EPA 6010D
Antimony, Total	EPA 6010D
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Beryllium, Total	EPA 6010D
Mercury, Total	EPA 245.1, Rev. 3.0 (1994)

Serial No.: 66374

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals II

Mercury, Total	EPA 7470A
Selenium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
Vanadium, Total	EPA 6010D
Zinc, Total	EPA 6010D

Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

Sample Preparation Methods

	EPA 3010A
	EPA 3005A
	EPA 3020A



Serial No.: 66374

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Characteristic Testing

TCLP EPA 1311

Metals I

Barium, Total EPA 6010D
Cadmium, Total EPA 6010D
Calcium, Total EPA 6010D
Chromium, Total EPA 6010D
Copper, Total EPA 6010D
Iron, Total EPA 6010D
Lead, Total EPA 6010D
EPA 7000B
Magnesium, Total EPA 6010D
Manganese, Total EPA 6010D
Nickel, Total EPA 6010D
Potassium, Total EPA 6010D
Silver, Total EPA 6010D
Sodium, Total EPA 6010D

Metals II

Aluminum, Total EPA 6010D
Antimony, Total EPA 6010D
Arsenic, Total EPA 6010D
Beryllium, Total EPA 6010D
Chromium VI EPA 7196A
Mercury, Total EPA 7471B
Selenium, Total EPA 6010D
Vanadium, Total EPA 6010D
Zinc, Total EPA 6010D



Serial No.: 66375

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

Miscellaneous

Boron, Total	EPA 6010D
--------------	-----------

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Sample Preparation Methods

EPA 3010A
EPA 3050B
EPA 3550C

Serial No.: 66375

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117*

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B
ASTM E-1979-17
ME-003-20-002



Serial No.: 66376

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7082

Miscellaneous

Fibers NIOSH 7400 A RULES

Sample Preparation Methods

ME-006-20-002



Serial No.: 66377

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



Appendix B

Asbestos Bulk Sample Laboratory Report

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	LS-001A	001	0.252	48.9	29.4	21.7	NAD	NAD
Location: Section #1 - East - Black Lap Sealant								
02	LS-001B	001	0.162	47.1	32.3	20.6	NAD	NAD
Location: Section #1 - East - Black Lap Sealant								
03	PC-002A	002	0.108	39.0	31.4	26.8	Chrysotile 2.9	NA
Location: Section #2 - N - Gray Coating @ Corr. Wall Panels								
04	PC-002B	002	0.136	39.7	26.9	33.4	NA/PS	NA
Location: Section #2 - N - Gray Coating @ Corr. Wall Panels								
05	WST-003A	003	----	----	----	----	NAD	NA
Location: Sections 1-4 (W) - Yellow Textured W/C Coating "Physically Inseparable Layers In Sample - Sample Compositied For Analysis"								
06	WST-003B	003	----	----	----	----	NAD	NA
Location: Sections 1-4 (W) - Yellow Textured W/C Coating "Physically Inseparable Layers In Sample - Sample Compositied For Analysis"								
07	WST-003C	003	----	----	----	----	NAD	NA
Location: Sections 1-4 (W) - Yellow Textured W/C Coating "Physically Inseparable Layers In Sample - Sample Compositied For Analysis"								
08	TBCLK-004A	004	0.396	58.7	38.2	3.1	NAD	NAD
Location: Section 1 (N & S) - Gray Term Bar Caulk								
09	TBCLK-004B	004	0.354	56.5	38.1	5.4	NAD	NAD
Location: Section 1 (N & S) - Gray Term Bar Caulk								
10	TBCLK-005A	005	0.291	60.4	34.0	5.6	NAD	NAD
Location: Section 2 (N & S) - White Term Bar Caulk								
11	TBCLK-005B	005	0.236	61.1	30.9	8.0	NAD	NAD
Location: Section 2 (N & S) - White Term Bar Caulk								
12	TAR-006A	006	0.182	94.0	1.4	4.6	NAD	NAD
Location: Section 1 (S & N) - Black Tar @ Deck								
13	TAR-006B	006	0.160	99.4	0.6	0.1	NAD	NAD
Location: Section 1 (S & N) - Black Tar @ Deck								
14	IP-007A	007	0.091	93.8	5.5	0.8	NAD	NAD
Location: Section 1 (N & S) - Black Shiny Paper @ Ins. Bd.								
15	IP-007B	007	0.218	93.8	3.9	2.2	NAD	NAD
Location: Section 1 (N & S) - Black Shiny Paper @ Ins. Bd.								
16	WF-008A	008	0.284	74.9	4.4	19.1	Chrysotile 1.6	NA
Location: Section 1 (S) - Black Wall Flash (Under EPDM)								

See Reporting notes on last page

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	WF-008B	008	0.193	71.0	9.6	19.4	NA/PS	NA
Location: Section 1 (S) - Black Wall Flash (Under EPDM)								
18	SLCLK-009A	009	0.208	51.9	7.2	40.9	NAD	NAD
Location: Section 2 (S) - Black Caulk @ Skylights (6)								
19	SLCLK-009B	009	0.155	52.5	4.9	42.6	NAD	NAD
Location: Section 2 (S) - Black Caulk @ Skylights (6)								
20	TAR-010A	010	0.146	97.5	2.3	0.1	NAD	NAD
Location: Section 2 - CTR - Black Tar @ Deck								
21	TAR-010B	010	0.131	84.1	3.0	12.6	Chrysotile <0.25	Chrysotile <1.0
Location: Section 2 - CTR - Black Tar @ Deck								
22	IP-011A	011	0.223	95.1	0.7	4.2	NAD	NAD
Location: Section 2 - CTR - Black Shiny Paper @ Ins. Bd.								
23	IP-011B	011	0.203	96.1	0.8	3.2	NAD	NAD
Location: Section 2 - CTR - Black Shiny Paper @ Ins. Bd.								
24	WF-012A	012	0.122	77.0	5.7	14.9	Chrysotile 2.4	NA
Location: Section 4 (SW) - Black Wall Flash (Under EPDM)								
25	WF-012B	012	0.075	92.1	1.6	6.3	NA/PS	NA
Location: Section 4 (SW) - Black Wall Flash (Under EPDM)								
26	MAS-013A	013	0.221	93.3	5.7	1.0	NAD	NAD
Location: Section 4 (SW) - Black Mastic @ FG Metal Duct Jacket								
27	MAS-013B	013	0.139	92.3	1.9	5.8	NAD	NAD
Location: Section 4 (SW) - Black Mastic @ FG Metal Duct Jacket								
28	SEAL-014A	014	0.356	35.7	39.9	24.4	NAD	NAD
Location: Section 4 (S) - Gray Sealant @ Rth Legs								
29	SEAL-014B	014	0.402	36.0	40.7	23.3	NAD	NAD
Location: Section 4 (S) - Gray Sealant @ Rth Legs								
30	DECK-015A	015	----	----	----	----	NAD	NA
Location: Section 1 @ Access Match - Concrete Deck								
31	DECK-015B	015	----	----	----	----	NAD	NA
Location: Section 1 @ Access Match - Concrete Deck								

Client Name: C&S Engineers, Inc.

**Table I
Summary of Bulk Asbestos Analysis Results**

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	----------------------	--------------------------	--------------------------	------------------------------------	-------------------------	----------------------

Analyzed by: Karol H. Lu
Date: 9/26/2023



Reviewed by: Karol H. Lu



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H600-Noran 7 System, Microscope, Serial #: 600-27-6. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).



PLM Bulk Asbestos Report

C&S Engineers, Inc.
Attn: Randy Arnold
499 Col. Eileen Collins Blvd.

Syracuse, NY 13212

Date Received 09/23/23 AmeriSci Job # 223092687
Date Examined 09/26/23 P.O. #
ELAP # 11480 Page 1 of 6
RE: AH4.001.001; Highland Falls-Fort Montgomery CSD - High
School; 21 Morgan Rd., Highland Falls - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LS-001A 001	223092687-01 Location: Section #1 - East - Black Lap Sealant	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21.7%			
LS-001B 001	223092687-02 Location: Section #1 - East - Black Lap Sealant	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.6%			
PC-002A 002	223092687-03 Location: Section #2 - N - Gray Coating @ Corr. Wall Panels	Yes	2.9% (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.9 %			
Other Material: Non-fibrous 26.8%			
PC-002B 002	223092687-04 Location: Section #2 - N - Gray Coating @ Corr. Wall Panels		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
WST-003A 003	223092687-05 Location: Sections 1-4 (W) - Yellow Textured W/C Coating "Physically Inseparable Layers In Sample - Sample Compositied For Analysis"	No	NAD ¹ (by NYS ELAP 198.1) by Omar Hernandez on 09/26/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WST-003B 003	223092687-06	No	NAD ¹ (by NYS ELAP 198.1) by Omar Hernandez on 09/26/23
Location: Sections 1-4 (W) - Yellow Textured W/C Coating "Physically Inseparable Layers In Sample - Sample Composited For Analysis"			
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
WST-003C 003	223092687-07	No	NAD ¹ (by NYS ELAP 198.1) by Omar Hernandez on 09/26/23
Location: Sections 1-4 (W) - Yellow Textured W/C Coating "Physically Inseparable Layers In Sample - Sample Composited For Analysis"			
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
TBCLK-004A 004	223092687-08	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Location: Section 1 (N & S) - Gray Term Bar Caulk			
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.1%			
TBCLK-004B 004	223092687-09	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Location: Section 1 (N & S) - Gray Term Bar Caulk			
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.4%			
TBCLK-005A 005	223092687-10	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Location: Section 2 (N & S) - White Term Bar Caulk			
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.6%			
TBCLK-005B 005	223092687-11	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Location: Section 2 (N & S) - White Term Bar Caulk			
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 8%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TAR-006A 006	223092687-12 Location: Section 1 (S & N) - Black Tar @ Deck	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.6%			
TAR-006B 006	223092687-13 Location: Section 1 (S & N) - Black Tar @ Deck	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.1%			
IP-007A 007	223092687-14 Location: Section 1 (N & S) - Black Shiny Paper @ Ins. Bd.	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.8%			
IP-007B 007	223092687-15 Location: Section 1 (N & S) - Black Shiny Paper @ Ins. Bd.	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.2%			
WF-008A 008	223092687-16 Location: Section 1 (S) - Black Wall Flash (Under EPDM)	Yes	1.6% (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 1.6 %			
Other Material: Non-fibrous 19.1%			
WF-008B 008	223092687-17 Location: Section 1 (S) - Black Wall Flash (Under EPDM)		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SLCLK-009A 009	223092687-18 Location: Section 2 (S) - Black Caulk @ Skylights (6)	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 40.9%			
SLCLK-009B 009	223092687-19 Location: Section 2 (S) - Black Caulk @ Skylights (6)	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 42.6%			
TAR-010A 010	223092687-20 Location: Section 2 - CTR - Black Tar @ Deck	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.1%			
TAR-010B 010	223092687-21 Location: Section 2 - CTR - Black Tar @ Deck	Yes	Trace (<0.25 % pc) ² (ELAP 400 PC) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 12.8%			
IP-011A 011	223092687-22 Location: Section 2 - CTR - Black Shiny Paper @ Ins. Bd.	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.2%			
IP-011B 011	223092687-23 Location: Section 2 - CTR - Black Shiny Paper @ Ins. Bd.	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.2%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WF-012A 012	223092687-24 Location: Section 4 (SW) - Black Wall Flash (Under EPDM)	Yes	2.4% (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.4 % Other Material: Non-fibrous 14.9%			
WF-012B 012	223092687-25 Location: Section 4 (SW) - Black Wall Flash (Under EPDM)		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
MAS-013A 013	223092687-26 Location: Section 4 (SW) - Black Mastic @ FG Metal Duct Jacket	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1%			
MAS-013B 013	223092687-27 Location: Section 4 (SW) - Black Mastic @ FG Metal Duct Jacket	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.8%			
SEAL-014A 014	223092687-28 Location: Section 4 (S) - Gray Sealant @ Rth Legs	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 24.4%			
SEAL-014B 014	223092687-29 Location: Section 4 (S) - Gray Sealant @ Rth Legs	No	NAD (by NYS ELAP 198.6) by Omar Hernandez on 09/26/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 23.3%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD - High School; 21 Morgan Rd., Highland Falls - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
DECK-015A 015	223092687-30 Location: Section 1 @ Access Match - Concrete Deck	No	NAD (by NYS ELAP 198.1) by Omar Hernandez on 09/26/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Cellulose 2%, Non-fibrous 98%			
DECK-015B 015	223092687-31 Location: Section 1 @ Access Match - Concrete Deck	No	NAD (by NYS ELAP 198.1) by Omar Hernandez on 09/26/23
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%			

Reporting Notes:

- (1) Physically inseparable layers in sample - sample composited for analysis
- (2) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Omar Hernandez
Date: 9/26/2023



Reviewed by: Karol H. Lu



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Motic, Model BA310 Pol Scope, Microscope, Serial #: 1190000538, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.



ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

223092687

Samples Collected By: R. Arnold/B. Ruane	Sample Date: 9/21/23
Relinquished To/Shipped By: Fed-Ex	Sent Date: 9/22/23
Received By Lab:	Received Date: 9/23/23 1115
Results e-mailed By:	E-mail Date:

C&S Project Number: AH4, 001, 001	Sample Turn Around Time: 5 DAY 3 DAY
Client: Highland Falls-Fort Montgomery CSD - HIGH SCHOOL	E-Mail Results To: Rarnold@cscos.com , bruane@cscos.com
Site Address: 21 Morgan Rd., Highland Falls	Verbal Results To:
Site Description: ROOF	Additional Instructions:
Special Instructions: <ul style="list-style-type: none"> Determine Method Of Analysis for PLM - 198.1 or 198.6 If PLM NOB Result Is Equal To Or Greater Than 1% Asbestos - Testing Is Complete If PLM NOB Result Is Less Than 1% Asbestos - Please Analyze Via TEM When Submitted In Series (A, B, C) - Please Stop At First Positive. Report Results As % Asbestos 	

Sample ID	Material Description	Sample Location
LS-001AB	Black Lap Sealant	SECTION #1 - EAST
PC-002AB	GRAY COATING @ CORR WALL PANELS	SECTION #2 - N
WST-003ABC	Yellow textured w/c coating	SECTIONS 1-4 (W)
TBCLK-004AB	gray term bar CAULK	SECTION 1 (N+S)
TBCLK-005AB	WHITE TERM BAR CAULK	SECTION 2 (N+S)
TAR-006AB	BLACK TAR @ DECK	SECTION 1 (S+N)
IP-007AB	BLACK SHINY PAPER @ INS. BD.	SECTION 1 (N+S)
WF-008AB	BLACK WALL FLASH (under EPDM)	SECTION 1 (S)
SLCLK-009AB	BLACK CAULK @ SKYLIGHTS (6)	SECTION 2 (S)
TAR-010AB	BLACK TAR @ DECK	SECTION 2 - CTR
IP-011AB	BLACK SHINY PAPER @ INS BD.	SECTION 2 - CTR
WF-012AB	BLACK WALL FLASH (under EPDM)	SECTION 4 (SW)
MAS-013AB	BLACK MASTIC @ FG DUCT JACKET ^{meta}	SECTION 4 (SW)
SEAL-014AB	GRAY SEALANT @ RTU legs	SECTION 4 (S)
DECK-015AB	Concrete Deck	SECTION 1 @ ACCESS MATCH



Appendix C

PCB Bulk Sample Laboratory Report



Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #: 533600

Matrix Bulk
Received 09/25/23
Reported 09/28/23

Attn:
Project: 21 Morgan Rd
Location: Highland Falls
Number: AH4.001.001

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
533600-001	PC-002P	Section 1 E					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1221		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1232		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1242		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1248		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1254		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1260		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1262		SW846 8082A	<711	711	µg/kg	09/25/23	KF
Aroclor - 1268		SW846 8082A	<711	711	µg/kg	09/25/23	KF
533600-002	TBCLK-004P	Section 1 N & S					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1221		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1232		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1242		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1248		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1254		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1260		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1262		SW846 8082A	<468	468	µg/kg	09/25/23	KF
Aroclor - 1268		SW846 8082A	<468	468	µg/kg	09/25/23	KF
533600-003	TBCLK-005P	Section 2 N & S					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1221		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1232		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1242		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1248		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1254		SW846 8082A	<731	731	µg/kg	09/25/23	KF

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #: 533600

Matrix Bulk
Received 09/25/23
Reported 09/28/23

Attn:
Project: 21 Morgan Rd
Location: Highland Falls
Number: AH4.001.001

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
533600-003	TBCLK-005P	Section 2 N & S					
Aroclor - 1260		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1262		SW846 8082A	<731	731	µg/kg	09/25/23	KF
Aroclor - 1268		SW846 8082A	<731	731	µg/kg	09/25/23	KF
533600-004	SLCLK-009P	Section 2					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1221		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1232		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1242		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1248		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1254		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1260		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1262		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
Aroclor - 1268		SW846 8082A	<1220	1220	µg/kg	09/25/23	KF
533600-005	SEAL-014P	Section 4 S					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1221		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1232		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1242		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1248		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1254		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1260		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1262		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF
Aroclor - 1268		SW846 8082A	<3800	3790	µg/kg	09/25/23	KF

Not enough sample for DUP/MS analysis.

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #:	533600
-----------------	--------

Matrix Bulk
Received 09/25/23
Reported 09/28/23

Attn:
Project: 21 Morgan Rd
Location: Highland Falls
Number: AH4.001.001

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
533600-09/28/23 12:35 PM							

Reviewed By: **Ben Wood**
Laboratory Director

Surrogate Recoveries

533600-001 - PCB

DCB 99%
TCMX 94%

533600-002 - PCB

DCB MI
TCMX MI

533600-003 - PCB

DCB 95%
TCMX MI

533600-004 - PCB

DCB 67%
TCMX 81%

533600-005 - PCB

DCB D
TCMX D

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: C+S Engineers, Inc. (5185)
Address: 499 Col Eileen Collins Blvd
Syracuse, NY 13212

Order #:	533600
-----------------	--------

Matrix Bulk
Received 09/25/23
Reported 09/28/23

Attn:
Project: 21 Morgan Rd
Location: Highland Falls
Number: AH4.001.001

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 66375
Virginia	VELAP 12299

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.








Appendix D

Figure 1



Appendix E

Photo Log

<p>Photo 1</p> 	<p>Photo 2</p> 		
<p>Building D-ACM Wall Panels (Galbestos)</p>	<p>Roof B,C,F-NON-ACM Gray/White Termination Bar Caulk</p>		
<p>Photo 3</p> 	<p>Photo 4</p> 		
<p>Roof C-Field Core</p>	<p>Roof C-Concrete Deck, 3 layers Iso Insulation Board, EPDM</p>		
<p>Photo 5</p> 	<p>Photo 6</p> 		
<p>Roof B-No Suspect Materials associated with Ductwork</p>	<p>Roof B-Field Core</p>		
	<p>C&S Engineers, Inc. 499 Col. Eileen Collins Blvd. Syracuse, New York 13212</p>	<p>Photographic Log HFFM CSD-High School 21 Morgan Rd. Highland Falls, N.Y. 10928</p>	<p>PR# AH4.001.001 Date: 9/28/23 Limited Hazardous Material Pre-Renovation Survey</p>








<p>Photo 7</p> 	<p>Photo 8</p> 		
<p>Roof B-Mechanicals</p>	<p>Roof B-Field Core</p>		
<p>Photo 9</p> 	<p>Photo 10</p> 		
<p>Roof B-Concrete Deck, 3 layers Iso Insulation Board, EPDM</p>	<p>Roof D-Field</p>		
<p>Photo 11</p> 	<p>Photo 12</p> 		
<p>Roof D-NON-ACM Black Window Glazing</p>	<p>Roof D-Field Core</p>		
	<p>C&S Engineers, Inc. 499 Col. Eileen Collins Blvd. Syracuse, New York 13212</p>	<p>Photographic Log HFFM CSD-High School 21 Morgan Rd. Highland Falls, N.Y. 10928</p>	<p>PR# AH4.001.001 Date: 9/28/23 Limited Hazardous Material Pre-Renovation Survey</p>

Photo 13	Photo 14
	
Roof D-Yellow Mastic @ Chimney	Roof A
Photo 15	Photo 16
	
Roof A-NON-ACM Mastic on Duct Insulation	Roof A-Roof Top Units
Photo 17	Photo 18
	
Roof A-Roof Top Units	Roof A-Exhausts
	<p>C&S Engineers, Inc. 499 Col. Eileen Collins Blvd. Syracuse, New York 13212</p>
<p>Photographic Log HFFM CSD-High School 21 Morgan Rd. Highland Falls, N.Y.</p>	<p>PR# AH4.001.001 Date: 9/28/23 Limited Hazardous Material Pre-Renovation Survey</p>



C&S Engineers, Inc.
499 Col. Eileen Collins Blvd
Syracuse, New York 13212



Limited Hazardous Material Pre-Renovation Survey Report

Highland Falls-Fort Montgomery Central School District
Intermediate School Phase 3
52 Mountain Ave.
Highland Falls, N.Y. 10928

Prepared for:
Mr. Christopher Kirwan-Director of Facilities
Highland Falls-Fort Montgomery CSD
21 Morgan Road,
Highland Falls, N.Y. 10928

January 2025
C&S Project # AH4.001.001



Table of Contents

Page

2.0 Scope of Services.....	2
3.0 Records Review	2
4.0 Asbestos Survey.....	2
4.1 Asbestos Sampling Methodologies.....	2
4.2 Asbestos Laboratory Methodologies.....	2
4.3 Suspect Asbestos Materials Sampled.....	3
4.4 Asbestos Bulk Sampling Summary	4
4.5 Asbestos-Containing Materials Report Notifications.....	4
4.6 Asbestos Recommendations	5
5.0 Lead-Based Paint Recommendations.....	5
6.0 PCB Caulk Inspection.....	5
7.0 Universal Waste.....	5
7.1 Table 5: Inventory of Universal Waste	5
7.2 Miscellaneous Hazardous/Special Waste Recommendations.....	6

Appendices

Appendix A: NYSDOL Company & Personnel Licensure, NYSDOH Lab Certifications

Appendix B: Asbestos Bulk Sample Report

Appendix C: Previous Survey Reports

1.0 Introduction

C&S Companies (C&S) was retained by the Highland Falls-Fort Montgomery Central School District (HFFM CSD) to complete a limited hazardous material pre-renovation survey of the Intermediate School, located at 52 Mountain Avenue, Highland Falls, New York. The survey was limited to materials scheduled to be impacted by the upcoming Phase 3 Project, as identified on design development drawings prepared by BCA Architects & Engineers.

2.0 Scope of Services

The survey was conducted for the purpose of investigating and/or sampling asbestos-containing materials (ACMs), presumed asbestos-containing materials (PACMs), lead-based paints (LBPs), polychlorinated biphenyls (PCBs) in caulk, and suspect “universal” items that may potentially contain hazardous waste.

3.0 Records Review

The HFFM CSD provided access to the US Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) report and J.C. Broderick & Associates, Inc. prepared a Summary of Environmental Sampling Report, dated September 7, 2023, all the sampling was associated with interior building materials that were impacted by recent water damage.

4.0 Asbestos Survey

C&S Companies’ New York State Department of Labor (NYSDOL) Certified Asbestos Building Inspectors Randy Arnold and Bridget Ruane conducted the survey for suspect ACMs and presumed asbestos-containing materials (PACMs). A total of sixty-one (61) samples were collected. The investigation included the collection, identification, assessment, plotting location and quantification of all identified ACMs and PACMs within the renovation area.

4.1 Asbestos Sampling Methodologies

Suspect building materials were investigated/sampled. Samples of homogenous areas/materials were submitted in a series (A, B, C) for analysis, laboratory results are reported as percent (%) by weight and type of asbestos present. Friable and non-friable bulk samples were analyzed for asbestos content in accordance with the following regulations:

- ◆ National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- ◆ New York State Department of Labor Industrial Code Rule 56 (ICR-56)
- ◆ Occupational and Health Administration (OSHA) Regulation 29 CFR 1910.1001 and 29 CFR 1926.1101.

4.2 Asbestos Laboratory Methodologies

Suspect building material samples were sent to AmeriSci New York, (an accredited and licensed laboratory), analysis was conducted in accordance with New York State Department of Health (NYSDOH) Environmental

Laboratory Program (ELAP) and National Voluntary Laboratory Accreditation Program (NVLAP). Analysis was conducted with following methodologies:

- ◆ Polarized Light Microscopy (PLM) and Dispersion Staining Techniques (198.1 methodology)
- ◆ Non-Friable Organically Bound (NOB) (198.6 and 198.4 methodology)

4.3 Suspect Asbestos Materials Sampled

The following table includes sample identification, material description, sample location and laboratory results for the material. ACMs are identified in bold font.

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
FGL-001A,B	Black UV Fiberglass Lining	Basement Area B Room 021	NAD
VOID	VOID	VOID	VOID
SR-003A,B	White Sheet Rock	First Floor Area B Room 130 & Basement Room 021	NAD
JC-004A,B	White Joint Compound	First Floor Area B Room 130 & Basement Room 021	NAD
SR-005A,B	White Sheet Rock	Second Floor B Wing Room 234 & First Floor Room 159	NAD
JC-006A,B	White Joint Compound	Second Floor B Wing Room 234 & First Floor Room 159	NAD
LCLK-007A,B	Black Louver Caulk	Exterior Basement Area B Room 021	NAD
CT-008A,B	White 2x4 Acoustical Ceiling Tile	First Floor Area B Band 142 & Second Floor Room 225	NAD
CT-009A,B	White 2x2 Acoustical Ceiling Tile	First Floor Area B Café 159 & Second Floor Room 234	NAD
FT-010A,B	12x12 Cream/Speckled Floor Tile	Basement A Wing Room 002 & B Wing First Floor Room 150	NAD
FTM-011A,B	Black Floor Tile Mastic	Basement A Wing Room 002 & B Wing First Floor Room 150	NAD
PLAST-012A-G	Wall & Ceiling Plaster	First & Second Floor Areas A and B Throughout	NAD
SPF-013A,B	Gray Spray Applied Fireproofing	Basement Area A	NAD
SPF-014A,B	Gray Spray Applied Fireproofing	Basement Area B Boiler Room	NAD
BR-015A,B	Gray Boiler Breaching	Basement Area B Boiler Room at Fiberglass Canvas	NAD

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
BS-016A,B	Gray Breaching Sealant	Basement Area B Boiler Room at Metal	NAD
SPF-017A,B,C	Gray Spray-On Fireproofing	Second Floor Area B&C Hall	NAD
ACT-018A,B	White 2x4 Accoustical Ceiling Tile	Second Floor Area B Room 237	NAD
SR-019A,B	White Sheet Rock	Second Floor Area B Rooms 230 & 231	NAD
JC-0120A,B	White Joint Compound	Second Floor Area B Rooms 230 & 231	NAD
FP-021A,B	Red Fire Stop Putty	Second Floor Area B Hall above Drop Ceiling at Penetrations	NAD
FP-022A,B	Red Fire Stop Putty	Second Floor Area B Room 218 Inside Unit Ventilator at Pipe Penetrations	NAD
FTM-023A,B	Yellow Floor Tile Matic	Second Floor Area B Room 218	NAD
FT-024A,B	Cream/Blue/Rust 12x12 Floor Tile	Second Floor Area B Room 206	NAD
FTM-025A,B	Black/Brown Floor Tile Mastic	Second Floor Area B Room 206	NAD
BRG-026A,B,C	White Boiler Rope Gasket	Basement Area B Boiler Room Boiler ends and Between Sections	NAD
TEC-027A,B	Gray Tank End Cap Insulation	Basement Area B Boiler Room Boiler Feed Tank	NAD

Table Notes

NAD = No Asbestos Detected

4.4 Asbestos Bulk Sampling Summary

No ACMS were identified by laboratory analysis during the pre-renovation survey. Asbestos laboratory reports and chain of custodies are included in Appendix B of this report.

4.5 Asbestos-Containing Materials Report Notifications

- ◆ One copy of the completed ACM survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for demolition, renovation, remodeling or repair work under applicable State or local laws.
- ◆ The completed asbestos survey shall be kept at the construction site throughout the duration of the demolition, renovation, remodeling or repair work.

4.6 Asbestos Recommendations

Building materials, not specifically identified in this report, which are identified during the project shall be “presumed” asbestos-containing materials and handled accordingly. These materials must be examined by a New York State Department of Labor Certified Asbestos Building Inspector, collection of samples and analysis must be performed. In accordance with both state and federal regulations, ACMs and PACMs must be handled and disposed of by a licensed NYSDOL asbestos abatement contractor prior to any renovation or demolition-related activities.

5.0 Lead-Based Paint Recommendations

All suspect paint applications shall be presumed LBP in accordance with Occupational Safety & Health Administration (OSHA) 29 CFR Part 1926.62, Lead in Construction Standard. Any contractor disturbing LBP or lead containing materials (less than 0.5% lead by weight) (LCMs) shall comply with all requirements of 29 CFR Part 1926.62. The intent is for the Contractor to protect their workers and other building occupants from unnecessary exposures to lead.

6.0 PCB Caulk Inspection

During the pre-renovation survey, C&S Companies industrial hygiene technicians, Randy Arnold and Bridget Ruane inspected the proposed renovation area for suspect caulking applications. No suspect caulk/sealant applications were identified associated with the proposed renovation areas.

7.0 Universal Waste

During the pre-renovation survey, C&S building inspectors Randy Arnold and Bridget Ruane performed a visual assessment of the proposed renovation area for suspect items that may potentially be classified as universal waste, such as (fluorescent lamps, thermostats, batteries, cleaning chemicals, etc.). At the conclusion of the visual assessment, C&S’ building inspectors assembled a list of suspect items within the proposed renovation area that would be impacted by renovation activities.

7.1 Inventory of Universal Waste

The following table includes item identification, item location, estimated quantities, presumed hazardous material associated with the item and item condition.

Table 2: Universal Waste Inventory

ITEM IDENTIFICATION	ITEM LOCATION	ESTIMATED QUANTITY	PRESUMED HAZ MATERIAL	ITEM CONDITION
Fuel Tank	Basement Boiler Room	1 -275 Gallon Tank	Petroleum Product	Intact



7.2 Miscellaneous Hazardous/Special Waste Recommendations

Additional investigation into the status of these materials may be performed to prove that hazardous materials are not present. However, without conducting this additional investigation / sampling, these materials must be presumed to contain potentially hazardous materials and handled / disposed of in accordance with all applicable state, federal, and local regulations.

This report was produced exclusively for the Highland Falls-Fort Montgomery Central School District. No other party is entitled to distribute or use this report without prior written consent of HFFM CSD or C&S Companies.

Sincerely,

A handwritten signature in black ink that reads 'Randy Arnold'.

Randy Arnold
Sr. Project Environmental Scientist
C&S Companies

A handwritten signature in black ink that reads 'Bridget Ruane'.

Bridget Ruane
Project Environmental Scientist
C&S Companies



Appendix A:
NYSDOL Company & Personnel Licensure, NYSDOH Lab Certifications

WE ARE YOUR DOL



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

C & S Engineers, Inc.
499 Col. Eileen Collins Blvd., Syracuse, NY, 13212

License Number: 29004
License Class: RESTRICTED
Date of Issue: 12/29/2023
Expiration Date: 01/31/2025

Duly Authorized Representative: Aileen Maguire Meyer

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RANDY ARNOLD
CLASS(EXPIRES)
C ATEC (01/25) D INSP (01/25)
H PM (01/25) I PD (01/25)

CERT# 14-02884-0848
08/12/07

MUST BE CARRIED ON ASBESTOS PROJECTS

10/11/01 10:00:00 AM

STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

NY 3



BRIDGET RUANE

CLASS(EXPIRES)

D INSP (02/25) E MGPL (02/25)

G SUPR (02/25) I PD (02/25)

C ATEC (02/24) H PM (02/24)

CERT# 2005280A-SHAZ
CLASS 333543019

MUST BE CARRIED ON ASBESTOS PROJECTS

10/11/01 10:00/10:00/11/11/01



Department of Health

KATHY HOCHUL
Governor

JAMES V. McDONALD, M.D., M.P.H.
Commissioner

JOHANNE E. MORNE, M.S.
Executive Deputy Commissioner

LAB ID: 11480

April 01, 2024

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

Certificate Expiration Date:
April 01, 2025

Dear Ms. Lu,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Amy J. Steuerwald, Ph.D.
Director, Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 68795

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos	40 CFR 763 APX A No. III YAMATE, AGARWAL GIBB NIOSH 7402
Fibers	NIOSH 7400 A RULES

Serial No.: 68796

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to etap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEWYORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Miscellaneous

Asbestos

EPA 100.2

Serial No.: 68794

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Metals I

Lead, Total

EPA 200.9 Rev. 2.2



Serial No.: 68765

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117*

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B
ASTM E-1979-17
ME-003-20-002



Serial No.: 68768

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7082
NIOSH 7300

Metals III

Chromium, Total NIOSH 7300

Miscellaneous

Fibers NIOSH 7400 A RULES

Sample Preparation Methods

ME-006-20-002



Serial No.: 68769

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Amines

Pyridine EPA 8270D

Chlorinated Hydrocarbon Pesticides

alpha-Chlordane EPA 8081B
Chlordane Total EPA 8081B
Endrin EPA 8081B
gamma-Chlordane EPA 8081B
Heptachlor EPA 8081B
Heptachlor epoxide EPA 8081B
Lindane EPA 8081B
Methoxychlor EPA 8081B
Toxaphene EPA 8081B

Chlorinated Hydrocarbons

Hexachlorobenzene EPA 8270D
Hexachlorobutadiene EPA 8270D
Hexachloroethane EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-TP (Silvex) EPA 8151A
2,4-D EPA 8151A

Metals I

Barium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
Cadmium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010D
Calcium, Total EPA 6010D
Chromium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 6010D

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals I

Copper, Total	EPA 6010D
Iron, Total	EPA 6010D
Lead, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 7000B EPA 200.9 Rev. 2.2 (1994)
Magnesium, Total	EPA 6010D
Manganese, Total	EPA 6010D
Nickel, Total	EPA 6010D
Potassium, Total	EPA 6010D
Silver, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Sodium, Total	EPA 6010D

Metals II

Aluminum, Total	EPA 6010D
Antimony, Total	EPA 6010D
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Beryllium, Total	EPA 6010D
Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A
Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D
Vanadium, Total	EPA 6010D
Zinc, Total	EPA 6010D



Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
Nitrobenzene	EPA 8270D

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(g,h,i)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Polynuclear Aromatics

Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2-Methylphenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
Pentachlorophenol	EPA 8270D

Volatile Aromatics

1,2,4-Trimethylbenzene	EPA 8260D
1,3,5-Trimethylbenzene	EPA 8260D
1,4-Dichlorobenzene	EPA 8260D
Benzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Volatile Aromatics

n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
Total Xylenes	EPA 8260D

Volatile Halocarbons

1,1-Dichloroethene	EPA 8260D
1,2-Dichloroethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroform	EPA 8260D
Tetrachloroethene	EPA 8260D
Trichloroethene	EPA 8260D
Vinyl chloride	EPA 8260D

Volatiles Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
---------------------------------	-----------

Sample Preparation Methods

EPA 5030C
EPA 3010A
EPA 3005A
EPA 3510C
EPA 3020A

Serial No.: 69246

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Characteristic Testing

Corrosivity (pH)	EPA 9040C
	EPA 9045D
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

alpha-Chlordane	EPA 8081B
Chlordane Total	EPA 8081B
Endrin	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachloroethane	EPA 8270D

Metals I

Barium, Total	EPA 6010D
Cadmium, Total	EPA 6010D
Calcium, Total	EPA 6010D
Chromium, Total	EPA 6010D
Copper, Total	EPA 6010D
Iron, Total	EPA 6010D
Lead, Total	EPA 6010D
	EPA 7000B

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Metals I

Magnesium, Total	EPA 6010D
Manganese, Total	EPA 6010D
Nickel, Total	EPA 6010D
Potassium, Total	EPA 6010D
Silver, Total	EPA 6010D
Sodium, Total	EPA 6010D

Metals II

Aluminum, Total	EPA 6010D
Antimony, Total	EPA 6010D
Arsenic, Total	EPA 6010D
Beryllium, Total	EPA 6010D
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010D
Vanadium, Total	EPA 6010D
Zinc, Total	EPA 6010D

Metals III

Cobalt, Total	EPA 6010D
Molybdenum, Total	EPA 6010D
Thallium, Total	EPA 6010D
Tin, Total	EPA 6010D
Titanium, Total	EPA 6010D

Miscellaneous

Boron, Total	EPA 6010D
--------------	-----------

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
--------------------	-----------

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Nitroaromatics and Isophorone

Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(g,h,i)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Phenanthrene	EPA 8270D

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Polynuclear Aromatic Hydrocarbons

Pyrene EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol EPA 8270D

2,4,6-Trichlorophenol EPA 8270D

2-Methylphenol EPA 8270D

3-Methylphenol EPA 8270D

4-Methylphenol EPA 8270D

Pentachlorophenol EPA 8270D

Volatile Aromatics

1,2,4-Trimethylbenzene EPA 8260D

1,3,5-Trimethylbenzene EPA 8260D

1,4-Dichlorobenzene EPA 8260D

Benzene EPA 8260D

Chlorobenzene EPA 8260D

Ethyl benzene EPA 8260D

Isopropylbenzene EPA 8260D

m/p-Xylenes EPA 8260D

Naphthalene, Volatile EPA 8260D

n-Butylbenzene EPA 8260D

n-Propylbenzene EPA 8260D

o-Xylene EPA 8260D

p-Isopropyltoluene (P-Cymene) EPA 8260D

sec-Butylbenzene EPA 8260D

tert-Butylbenzene EPA 8260D

Toluene EPA 8260D

Total Xylenes EPA 8260D

Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024
Revised April 04, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Volatile Halocarbons

1,1-Dichloroethene	EPA 8260D
1,2-Dichloroethane	EPA 8260D
Carbon tetrachloride	EPA 8260D
Chloroform	EPA 8260D
Tetrachloroethene	EPA 8260D
Trichloroethene	EPA 8260D
Vinyl chloride	EPA 8260D

Volatile Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
---------------------------------	-----------

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3010A
EPA 3050B
EPA 3550C
EPA 3540C



Serial No.: 69247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.





Appendix B:
Asbestos Bulk Sample Reports

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD; Intermediate School, 52 Mountain Ave., Highland Falls

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	FGL-001A	001	0.115	56.8	7.1	36.0	NAD	NAD
	Location: Basement Area B Rm. 021 - Black Fiberglass Lining @ UV							
02	FGL-001B	001	0.097	35.5	7.0	57.5	NAD	NAD
	Location: Basement Area B Rm. 021 - Black Fiberglass Lining @ UV							
03	SR-003A	003	----	----	----	----	NAD	NA
	Location: 1st Floor Area B Rm. 130/Bsmt. 021 - Drywall							
04	SR-003B	003	----	----	----	----	NAD	NA
	Location: 1st Floor Area B Rm. 130/Bsmt. 021 - Drywall							
05	JC-004A	004	----	----	----	----	NAD	NA
	Location: 1st Floor Area B Rm. 130/Bsmt. 021 - White Joint Compound							
06	JC-004B	004	----	----	----	----	NAD	NA
	Location: 1st Floor Area B Rm. 130/Bsmt. 021 - White Joint Compound							
07	SR-005A	005	----	----	----	----	NAD	NA
	Location: B Wing 2nd Floor 334/1st Flr 159 - Drywall							
08	SR-005B	005	----	----	----	----	NAD	NA
	Location: B Wing 2nd Floor 334/1st Flr 159 - Drywall							
09	JC-006A	006	----	----	----	----	NAD	NA
	Location: B Wing 2nd Floor 234/1st Flr. 159 - White Joint Compound							
10	JC-006B	006	----	----	----	----	NAD	NA
	Location: B Wing 2nd Floor 234/1st Flr. 159 - White Joint Compound							
11	LCLK-007A	007	0.300	56.8	42.1	1.2	NAD	NAD
	Location: Ext. Bsmt Area B 021 - Black Louver Caulk							
12	LCLK-007B	007	0.277	57.4	41.4	1.2	NAD	NAD
	Location: Ext. Bsmt Area B 021 - Black Louver Caulk							
13	CT-008A	008	0.138	14.2	35.5	50.3	NAD	NAD
	Location: 1st Floor Area B Band 142/2nd Flr. 225 - 2 X 4 Ceiling Tile							
14	CT-008B	008	0.142	15.7	39.6	44.6	NAD	NAD
	Location: 1st Floor Area B Band 142/2nd Flr. 225 - 2 X 4 Ceiling Tile							
15	CT-009A	009	0.196	15.4	40.8	43.9	NAD	NAD
	Location: 1st Floor Area B Cafe 159/2nd Flr. 234 - 2 X 2 Ceiling Tile							
16	CT-009B	009	0.173	13.3	37.5	49.3	NAD	NAD
	Location: 1st Floor Area B Cafe 159/2nd Flr. 234 - 2 X 2 Ceiling Tile							

See Reporting notes on last page

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD; Intermediate School, 52 Mountain Ave., Highland Falls

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FT-010A	010	0.629	15.6	78.5	5.9	NAD	NAD
	Location: A Wing Bsmt 002/B Wing 1st Flr 150 - 12" Cream Speckled Floor Tile							
18	FT-010B	010	0.593	16.9	74.6	8.5	NAD	NAD
	Location: A Wing Bsmt 002/B Wing 1st Flr 150 - 12" Cream Speckled Floor Tile							
19	FTM-011A	011	0.181	67.2	16.1	16.8	NAD	NAD
	Location: A Wing Bsmt 002/B Wing 1st Flr 150 - Black Mastic (Under 010)							
20	FTM-011B	011	0.144	81.7	7.6	10.7	NAD	NAD
	Location: A Wing Bsmt 002/B Wing 1st Flr 150 - Black Mastic (Under 010)							
21	PLAST-012A	012	----	----	----	----	NAD	NA
	Location: 1st Floor Area B Rm 133 - Wall / Ceiling Plaster (S&B)							
22	PLAST-012B	012	----	----	----	----	NAD	NA
	Location: 1st Floor Area B Stair #2 131 - Wall / Ceiling Plaster (S&B)							
23	PLAST-012C	012	----	----	----	----	NAD	NA
	Location: 1st Floor Area A School Psych Office - Wall / Ceiling Plaster (S&B)							
24.1	PLAST-012D	012	----	----	----	----	NAD	NA
	Location: 2nd Floor Area A Rm 218 - Wall / Ceiling Plaster (S&B) / Skim Coat							
24.2	PLAST-012D	012	----	----	----	----	NAD	NA
	Location: 2nd Floor Area A Rm 218 - Wall / Ceiling Plaster (S&B) / Base Coat							
25.1	PLAST-012E	012	----	----	----	----	NAD	NA
	Location: 2nd Floor Area B Corridor 201 - Wall / Ceiling Plaster (S&B) / Skim Coat							
25.2	PLAST-012E	012	----	----	----	----	NAD	NA
	Location: 2nd Floor Area B Corridor 201 - Wall / Ceiling Plaster (S&B) / Base Coat							
26	PLAST-012F	012	----	----	----	----	NAD	NA
	Location: 2nd Floor Area A Rm 207/ Rm 216 - Wall / Ceiling Plaster (S&B)							
27	PLAST-012G	021	----	----	----	----	NAD	NA
	Location: 2nd Floor Area A Rm 207/ Rm 216 - Wall / Ceiling Plaster (S&B)							
28	SPF-013A	013	----	----	----	----	NAD	NA
	Location: Bsmt. Area A Storage 002 - Gray Spray-On Fireproofing							
29	SPF-013B	013	----	----	----	----	NAD	NA
	Location: Bsmt. Area A Storage 002 - Gray Spray-On Fireproofing							
30	SPF-013C	013	----	----	----	----	NAD	NA
	Location: Bsmt. Area A Storage 002 - Gray Spray-On Fireproofing							

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD; Intermediate School, 52 Mountain Ave., Highland Falls

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
31	SPF-014A	014	---	---	---	---	NAD	NA
	Location: Bsmt. Area B Boiler Room - Gray Spray-On @ Waffle Deck							
32	SPF-014B	014	---	---	---	---	NAD	NA
	Location: Bsmt. Area B Boiler Room - Gray Spray-On @ Waffle Deck							
33	SPF-014C	014	---	---	---	---	NAD	NA
	Location: Bsmt. Area B Boiler Room - Gray Spray-On @ Waffle Deck							
34	BR-015A	015	---	---	---	---	NAD	NA
	Location: Bsmt. Area B Boiler Room - Gray Boiler Breaching @ FG Canvas							
35	BR-015B	015	---	---	---	---	NAD	NA
	Location: Bsmt. Area B Boiler Room - Gray Boiler Breaching @ FG Canvas							
36	BR-015C	015	---	---	---	---	NAD	NA
	Location: Bsmt. Area B Boiler Room - Gray Boiler Breaching @ FG Canvas							
37	BS-016A	016	0.134	62.3	29.9	7.8	NAD	NAD
	Location: Bsmt. Area B Boiler Room - Gray Sealant @ Metal Breaching							
38	BS-016B	016	0.085	64.1	28.2	7.7	NAD	NAD
	Location: Bsmt. Area B Boiler Room - Gray Sealant @ Metal Breaching							

Analyzed by: Hongyan Ran
Date: 4/4/2024



Reviewed by: Hongyan Ran



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).



PLM Bulk Asbestos Report

C&S Engineers, Inc.
Attn: Randy Arnold
499 Col. Eileen Collins Blvd.

Syracuse, NY 13212

Date Received 03/29/24 **AmeriSci Job #** 224033511
Date Examined 04/03/24 P.O. #
ELAP # 11480 Page 1 of 8
RE: AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FGL-001A 001	224033511-01 Location: Basement Area B Rm. 021 - Black Fiberglass Lining @ UV	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 20%, Non-fibrous 16%			
FGL-001B 001	224033511-02 Location: Basement Area B Rm. 021 - Black Fiberglass Lining @ UV	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 30%, Non-fibrous 27.5%			
SR-003A 003	224033511-03 Location: 1st Floor Area B Rm. 130/Bsmt. 021 - Drywall	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			
SR-003B 003	224033511-04 Location: 1st Floor Area B Rm. 130/Bsmt. 021 - Drywall	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 1%, Fibrous glass Trace, Non-fibrous 99%			
JC-004A 004	224033511-05 Location: 1st Floor Area B Rm. 130/Bsmt. 021 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
JC-004B 004	224033511-06 Location: 1st Floor Area B Rm. 130/Bsmt. 021 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
SR-005A 005	224033511-07 Location: B Wing 2nd Floor 334/1st Flr 159 - Drywall	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 2%, Fibrous glass Trace, Non-fibrous 98%			
SR-005B 005	224033511-08 Location: B Wing 2nd Floor 334/1st Flr 159 - Drywall	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
JC-006A 006	224033511-09 Location: B Wing 2nd Floor 234/1st Flr. 159 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
JC-006B 006	224033511-10 Location: B Wing 2nd Floor 234/1st Flr. 159 - White Joint Compound	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
LCLK-007A 007	224033511-11 Location: Ext. Bsmt Area B 021 - Black Louver Caulk	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.2%			

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LCLK-007B 007	224033511-12 Location: Ext. Bsmt Area B 021 - Black Louver Caulk	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.2%			
CT-008A 008	224033511-13 Location: 1st Floor Area B Band 142/2nd Flr. 225 - 2 X 4 Ceiling Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 50.3%			
CT-008B 008	224033511-14 Location: 1st Floor Area B Band 142/2nd Flr. 225 - 2 X 4 Ceiling Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 44.6%			
CT-009A 009	224033511-15 Location: 1st Floor Area B Cafe 159/2nd Flr. 234 - 2 X 2 Ceiling Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 43.9%			
CT-009B 009	224033511-16 Location: 1st Floor Area B Cafe 159/2nd Flr. 234 - 2 X 2 Ceiling Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 49.3%			
FT-010A 010	224033511-17 Location: A Wing Bsmt 002/B Wing 1st Flr 150 - 12" Cream Speckled Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.9%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FT-010B 010	224033511-18 Location: A Wing Bsmt 002/B Wing 1st Flr 150 - 12" Cream Speckled Floor Tile	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.5%			
FTM-011A 011	224033511-19 Location: A Wing Bsmt 002/B Wing 1st Flr 150 - Black Mastic (Under 010)	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16.8%			
FTM-011B 011	224033511-20 Location: A Wing Bsmt 002/B Wing 1st Flr 150 - Black Mastic (Under 010)	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10.7%			
PLAST-012A 012	224033511-21 Location: 1st Floor Area B Rm 133 - Wall / Ceiling Plaster (S&B)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass Trace, Non-fibrous 100%			
PLAST-012B 012	224033511-22 Location: 1st Floor Area B Stair #2 131 - Wall / Ceiling Plaster (S&B)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			
PLAST-012C 012	224033511-23 Location: 1st Floor Area A School Psych Office - Wall / Ceiling Plaster (S&B)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLAST-012D 012	224033511-24.1 Location: 2nd Floor Area A Rm 218 - Wall / Ceiling Plaster (S&B) / Skim Coat	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
PLAST-012D 012	224033511-24.2 Location: 2nd Floor Area A Rm 218 - Wall / Ceiling Plaster (S&B) / Base Coat	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
PLAST-012E 012	224033511-25.1 Location: 2nd Floor Area B Corridor 201 - Wall / Ceiling Plaster (S&B) / Skim Coat	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
PLAST-012E 012	224033511-25.2 Location: 2nd Floor Area B Corridor 201 - Wall / Ceiling Plaster (S&B) / Base Coat	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
PLAST-012F 012	224033511-26 Location: 2nd Floor Area A Rm 207/ Rm 216 - Wall / Ceiling Plaster (S&B)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
PLAST-012G 021	224033511-27 Location: 2nd Floor Area A Rm 207/ Rm 216 - Wall / Ceiling Plaster (S&B)	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SPF-013A 013	224033511-28 Location: Bsmt. Area A Storage 002 - Gray Spray-On Fireproofing	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 55%, Non-fibrous 45%			
SPF-013B 013	224033511-29 Location: Bsmt. Area A Storage 002 - Gray Spray-On Fireproofing	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 55%, Non-fibrous 45%			
SPF-013C 013	224033511-30 Location: Bsmt. Area A Storage 002 - Gray Spray-On Fireproofing	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 65%, Non-fibrous 35%			
SPF-014A 014	224033511-31 Location: Bsmt. Area B Boiler Room - Gray Spray-On @ Waffle Deck	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 50%, Non-fibrous 50%			
SPF-014B 014	224033511-32 Location: Bsmt. Area B Boiler Room - Gray Spray-On @ Waffle Deck	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 50%, Non-fibrous 50%			
SPF-014C 014	224033511-33 Location: Bsmt. Area B Boiler Room - Gray Spray-On @ Waffle Deck	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 45%, Non-fibrous 55%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
BR-015A 015	224033511-34 Location: Bsmt. Area B Boiler Room - Gray Boiler Breaching @ FG Canvas	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White/Silver/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15%, Fibrous glass 50%, Non-fibrous 35%			
BR-015B 015	224033511-35 Location: Bsmt. Area B Boiler Room - Gray Boiler Breaching @ FG Canvas	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White/Silver/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10%, Fibrous glass 60%, Non-fibrous 30%			
BR-015C 015	224033511-36 Location: Bsmt. Area B Boiler Room - Gray Boiler Breaching @ FG Canvas	No	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 04/03/24
Analyst Description: White/Silver/Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15%, Fibrous glass 50%, Non-fibrous 35%			
BS-016A 016	224033511-37 Location: Bsmt. Area B Boiler Room - Gray Sealant @ Metal Breaching	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.8%			
BS-016B 016	224033511-38 Location: Bsmt. Area B Boiler Room - Gray Sealant @ Metal Breaching	No	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 04/03/24
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.7%			

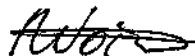
Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD;
Intermediate School, 52 Mountain Ave., Highland Falls

Reporting Notes:

Analyzed by: Valeriu Voicu
Date: 4/3/2024



Reviewed by: Hongyan Ran



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop. (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229915, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

_____END OF REPORT_____



ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

224033511

Samples Collected By: R. Arnold/B. Ruane	Sample Date: 3/28/24
Relinquished To/Shipped By: Fed-Ex	Sent Date:
Received By Lab: <i>[Signature]</i>	Received Date: 3/29/24 1130
Results e-mailed By: <i>[Signature]</i>	E-mail Date: 3/29/24 10:57AM

C&S Project Number: AM4.001.001	Sample Turn Around Time: 5 day
Client: Highland Falls-Fort Montgomery CSD	E-Mail Results To: Rarnold@cscos.com, bruane@cscos.com
Site Address: Intermediate School	Verbal Results To:
Site Description: 52 Mountain Ave., Highland Falls	Additional Instructions:
Special Instructions: <ul style="list-style-type: none"> Determine Method Of Analysis for PLM - 198.1 or 198.6 If PLM NOB Result Is Equal To Or Greater Than 1% Asbestos - Testing Is Complete If PLM NOB Result Is Less Than 1% Asbestos - Please Analyze Via TEM When Submitted In Series (A, B, C) - Please Stop At First Positive. Report Results As % Asbestos 	

Sample ID	Material Description	Sample Location
FGL-001AB	BLACK FIBERGLASS LINING @ UV	BASEMENT AREA B RM. 021
BINS-002ABC	GRAY BROWN IN INSULATION	2nd FLR AREA B - CORRIDOR 201
SR-003AB	DRYWALL	1st FLOOR AREA B RM. 130/BSMT. 021
JC-004AB	WHITE JOINT COMPOUND	1st FLOOR AREA B RM. 130/BSMT. 021
SR-005AB	DRYWALL	B Wing 2nd FLR 234/1st FLR 159
JC-006AB	WHITE JOINT COMPOUND	B Wing 2nd FLR 234/1st FLR. 159
LCLK-007AB	BLACK LOUVER CAULK	EXT. BSMT AREA B 021
CT-008AB	2x4 CEILING TILE	1st FLOOR AREA B BAND 142/2nd FLR. 225
CT-009AB	2x2 CEILING TILE	1st FLR AREA B CAFE 159/2nd FLR 234
FT-010AB	12" CRE SPECKLED FLOOR TILE	AWING BSMT 002/BWING 1st FLR 150
FTM-011AB	BLACK MASTIC (under 010)	B WING BSMT 002/Bwing 1st FLR 150
PLAST-012A	WALL/CEILING PLASTER (S+B)	1st FLR AREA B RM 133
B	↓	1st FLR AREA B STAIR #2 131
C	↓	1st FLR AREA A SCHOOL PSYCH OFFICE
D	↓	2nd FLR AREA A Rm 219
E	↓	2nd FLR AREA B CORRIDOR 201
F/G	↓	2nd FLR AREA A Rm 201/Rm 216
SPF-013ABC	GRAY SPRAY-ON FIREPROOFING	BSMT. AREA A STORAGE 002
SPF-014ABC	GRAY SPRAY-ON @ WAFFLE DECK	BSMT. AREA B Boiler Room
BR-015ABC	GRAY BOILER BREACHING @ EG CANVAS	BSMT. AREA B Boiler Room

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

AH4.001.001; Highland Falls-Fort Montgomery CSD; 52 Mountain Ave., Highland Falls, N.Y. 10928; Intermediate School

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	SPF-017A	017	----	----	----	----	NAD	NA
	Location: 2nd Flr - Area B/C - Hall - Gray Spray-On Fireproofing							
02	SPF-017B	017	----	----	----	----	NAD	NA
	Location: 2nd Flr - Area B/C - Hall - Gray Spray-On Fireproofing							
03	SPF-017C	017	----	----	----	----	NAD	NA
	Location: 2nd Flr - Area B/C - Hall - Gray Spray-On Fireproofing							
04	ACT-018A	018	0.167	16.1	61.4	22.5	NAD	NAD
	Location: 2nd Flr - Area B Rm. 237 - 2'x4' Textured White C. Tile							
05	ACT-018B	018	0.184	16.0	64.6	19.4	NAD	NAD
	Location: 2nd Flr - Area B Rm. 237 - 2'x4' Textured White C. Tile							
06	SR-019A	019	----	----	----	----	NAD	NA
	Location: 2nd Flr. Area B - Rm. 230/231 - White Sheetrock							
07	SR-019B	019	----	----	----	----	NAD	NA
	Location: 2nd Flr. Area B - Rm. 230/231 - White Sheetrock							
08	JC-020A	020	----	----	----	----	NAD	NA
	Location: White Joint Compound							
09	JC-020B	020	----	----	----	----	NAD	NA
	Location: White Joint Compound							
10	FP-021A	021	0.370	38.8	44.5	16.7	NAD	NAD
	Location: 2nd Flr Area B - Hall - Red Fire Putty							
11	FP-021B	021	0.190	39.5	43.5	16.9	NAD	NAD
	Location: 2nd Flr Area B - Hall - Red Fire Putty							
12	FP-022A	022	0.156	40.5	42.5	17.0	NAD	NAD
	Location: 2nd Flr. Area B, Rm. 218 (@ Pipe Pen.) - Red Fire Putty							
13	FP-022B	022	0.097	42.7	41.0	16.3	NAD	NAD
	Location: 2nd Flr. Area B, Rm. 218 (@ Pipe Pen.) - Red Fire Putty							
14	FTM-023A	023	0.173	25.0	18.9	56.2	NAD	NAD
	Location: 2nd Flr. Area B, Rm. 218 - Yellow Floor Tile Mastic							
15	FTM-023B	023	0.245	18.8	29.6	51.7	NAD	NAD
	Location: 2nd Flr. Area B, Rm. 218 - Yellow Floor Tile Mastic							
16	FT-024A	024	0.221	16.5	78.5	5.0	NAD	NAD
	Location: 2nd Flr. Area A, Rm. 206 - 12" Cream/Blue/Rust Floor Tile							

See Reporting notes on last page

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

AH4.001.001; Highland Falls-Fort Montgomery CSD; 52 Mountain Ave., Highland Falls, N.Y. 10928; Intermediate School

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FT-024B	024	0.304	16.2	80.4	3.5	NAD	NAD
Location: 2nd Flr. Area A, Rm. 206 - 12" Cream/Blue/Rust Floor Tile								
18	FTM-025A	025	0.159	48.9	26.6	24.6	NAD	NAD
Location: 2nd Flr. Area A, Rm. 206 - Black Floor Tile Mastic								
19	FTM-025B	025	0.089	47.5	14.8	37.7	NAD	NAD
Location: 2nd Flr. Area A, Rm. 206 - Black Floor Tile Mastic								
20	BRG-026A	026	----	----	----	----	NAD	NA
Location: Bsmt. Area B - Bsmt. Boiler Rm - Boilers - White Rope Casket								
21	BRG-026B	026	----	----	----	----	NAD	NA
Location: Bsmt. Area B - Bsmt. Boiler Rm - Boilers - White Rope Casket								
22	BRG-026C	026	----	----	----	----	NAD	NA
Location: Bsmt. Area B - Bsmt. Boiler Rm - Boilers - White Rope Casket								
23	TEC-027A	027	----	----	----	----	NAD	NA
Location: Bsmt. Area B - Bsmt. Boiler Rm - Boiler Feed Unit - Gray Tank End Cap Ins.								
24	TEC-027B	027	----	----	----	----	NAD	NA
Location: Bsmt. Area B - Bsmt. Boiler Rm - Boiler Feed Unit - Gray Tank End Cap Ins.								
25	TEC-027C	027	----	----	----	----	NAD	NA
Location: Bsmt. Area B - Bsmt. Boiler Rm - Boiler Feed Unit - Gray Tank End Cap Ins.								

Analyzed by: Marik Peysakhov
Date: 1/5/2025



Reviewed by: Marik Peysakhov



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).



PLM Bulk Asbestos Report

C&S Engineers, Inc.
Attn: Randy Arnold
499 Col. Eileen Collins Blvd.

Syracuse, NY 13212

Date Received 1/3/2025 **AmeriSci Job #** 225011101
Date Examined 01/04/25 **P.O. #**
ELAP # 11480 **Page** 1 of 4
RE: AH4.001.001; Highland Falls-Fort Montgomery CSD; 52 Mountain Ave., Highland Falls, N.Y. 10928; Intermediate School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
SPF-017A 017 Location: 2nd Flr - Area B/C - Hall - Gray Spray-On Fireproofing Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 40%, Non-fibrous 60%	225011101-01	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
SPF-017B 017 Location: 2nd Flr - Area B/C - Hall - Gray Spray-On Fireproofing Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 40%, Non-fibrous 60%	225011101-02	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
SPF-017C 017 Location: 2nd Flr - Area B/C - Hall - Gray Spray-On Fireproofing Analyst Description: Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 40%, Non-fibrous 60%	225011101-03	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
ACT-018A 018 Location: 2nd Flr - Area B Rm. 237 - 2'x4' Textured White C. Tile Analyst Description: White/Gray, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 22%	225011101-04	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
ACT-018B 018 Location: 2nd Flr - Area B Rm. 237 - 2'x4' Textured White C. Tile Analyst Description: White/Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 19%	225011101-05	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
SR-019A 019 Location: 2nd Flr. Area B - Rm. 230/231 - White Sheetrock Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 4.0%, Non-fibrous 96%	225011101-06	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 52 Mountain Ave., Highland Falls, N.Y. 10928; Intermediate School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
SR-019B 019 Location: 2nd Flr. Area B - Rm. 230/231 - White Sheetrock Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 4.0%, Non-fibrous 96%	225011101-07	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
JC-020A 020 Location: White Joint Compound Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%	225011101-08	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
JC-020B 020 Location: White Joint Compound Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100%	225011101-09	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
FP-021A 021 Location: 2nd Flr Area B - Hall - Red Fire Putty Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16%	225011101-10	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FP-021B 021 Location: 2nd Flr Area B - Hall - Red Fire Putty Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16%	225011101-11	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FP-022A 022 Location: 2nd Flr. Area B, Rm. 218 (@ Pipe Pen.) - Red Fire Putty Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17%	225011101-12	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FP-022B 022 Location: 2nd Flr. Area B, Rm. 218 (@ Pipe Pen.) - Red Fire Putty Analyst Description: Red, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16%	225011101-13	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 52 Mountain Ave., Highland Falls, N.Y. 10928; Intermediate School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
FTM-023A 023 Location: 2nd Flr. Area B, Rm. 218 - Yellow Floor Tile Mastic Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 56%	225011101-14	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FTM-023B 023 Location: 2nd Flr. Area B, Rm. 218 - Yellow Floor Tile Mastic Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 51%	225011101-15	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FT-024A 024 Location: 2nd Flr. Area A, Rm. 206 - 12" Cream/Blue/Rust Floor Tile Analyst Description: Off-White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.0%	225011101-16	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FT-024B 024 Location: 2nd Flr. Area A, Rm. 206 - 12" Cream/Blue/Rust Floor Tile Analyst Description: Off-White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.5%	225011101-17	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FTM-025A 025 Location: 2nd Flr. Area A, Rm. 206 - Black Floor Tile Mastic Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 24%	225011101-18	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
FTM-025B 025 Location: 2nd Flr. Area A, Rm. 206 - Black Floor Tile Mastic Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 37%	225011101-19	No	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/04/25	1
BRG-026A 026 Location: Bsmt. Area B - Bsmt. Boiler Rm - Boilers - White Rope Casket Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 98%, Non-fibrous 2.0%	225011101-20	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD; 52 Mountain Ave., Highland Falls, N.Y. 10928; Intermediate School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
BRG-026B 026 Location: Bsmt. Area B - Bsmt. Boiler Rm - Boilers - White Rope Casket Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 98%, Non-fibrous 2.0%	225011101-21	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
BRG-026C 026 Location: Bsmt. Area B - Bsmt. Boiler Rm - Boilers - White Rope Casket Analyst Description: White, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 97%, Non-fibrous 3.0%	225011101-22	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
TEC-027A 027 Location: Bsmt. Area B - Bsmt. Boiler Rm - Boiler Feed Unit - Gray Tank End Cap Ins. Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	225011101-23	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
TEC-027B 027 Location: Bsmt. Area B - Bsmt. Boiler Rm - Boiler Feed Unit - Gray Tank End Cap Ins. Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	225011101-24	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	
TEC-027C 027 Location: Bsmt. Area B - Bsmt. Boiler Rm - Boiler Feed Unit - Gray Tank End Cap Ins. Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 10%, Non-fibrous 90%	225011101-25	No	NAD (by NYS ELAP 198.1) by Bo Sun on 01/04/25	

Reporting Notes:

(1) NAD results by NYS 198.6 are inconclusive and are not considered non-ACM

Analyzed by: Bo Sun
Date: 1/4/2025



Reviewed by: Marik Peysakhov



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Motic, Model BA310 Pol Scope, Microscope, Serial #: 1190000538, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

END OF REPORT



Appendix C:
Previous Survey Reports
J.C. Broderick & Associates Bulk Sampling & Analysis of Suspect ACBM Report, July 2023
C&S Limited Hazardous Materials Survey Report (Roof), dated September 27, 2023

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing



1775 Expressway Drive North
Hauppauge, NY 11788
631.584.5422
Fax: 631.584.5355
www.jcbroderick.com

September 7, 2023

Mr. Christopher Kirwan
Highland Falls-Fort Montgomery Central School District
PO Box 287
Highland Falls, New York 10928

**Re: Summary of Environmental Sampling
Highland Falls Intermediate School
Water Impacted Areas of Lower Level**

JCB#: 23-55456

Dear Mr. Kirwan:

J. C. Broderick and Associates, Inc. (JCB) was retained to perform environmental sampling at the above-referenced school building. The sampling was requested within areas effected by floodwaters in early July 2023.

In summary, the environmental sampling revealed the following:

- Clearance air samples collected after asbestos abatements satisfied the clearance air criteria established by the New York State Department of Labor and the United States Environmental Protection Agency, as applicable.
- Lead clearance wipe sample results satisfied the clearance levels set forth in 40 CFR Part 745.227 (e)(8)(c)(viii), as applicable.
- Quality assurance mold screening did not identify evidence of an indoor generating mold sources.

Details pertaining to all environmental sampling performed can be referenced in the attachments to this letter. If there are any questions or if more information is needed, please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bryan Ezelius', is written over a white rectangular area.

Bryan Ezelius
J. C. Broderick & Associates, Inc.

Attachments:

- A: Summary of Environmental Sampling Due to Water Loss
- B: Pre-Construction Survey, Bulk Sampling & Analysis of Suspect Asbestos Containing Materials
- C: Final Air Sampling Report During Asbestos Abatement Project
- D: Lead Clearance Examination
- E: Quality Assurance Mold Screening

A: Summary of Environmental Sampling Due to Water Loss



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

J.C. Broderick & Associates, Inc.

Environmental Remediation Consulting & Testing



September 5, 2023

Mr. Christopher Kirwan
Highland Falls-Fort Montgomery Central School District
PO Box 287
Highland Falls, New York 10928

**Re: Summary of Environmental Sampling Due to Water Loss
Highland Falls Intermediate School
52 Mountain Avenue, Highland Falls, New York 10928
Inspection Date: July 12, 2023**

JCB#: 23-55456

Dear Mr. Kirwan:

J.C. Broderick and Associates, Inc. (JCB) was retained to perform an inspection and sampling of building materials which were impacted by a water loss event originating from a flood through the window of basement classroom 001 which occurred between July 9-10, 2023.

The assessment included interviews with district/building representatives who identified the areas of the building that were impacted by the loss. An inspection of visually accessible building materials, aided by infrared cameras and moisture meters, was then performed in these spaces to identify the impacted material types. All impacted painted surfaces were assumed to contain lead based paint and impacted suspect asbestos materials were sampled.

In summary, the environmental sampling revealed the following:

- Evidence of moisture impact was observed and/or reported at the base of all walls and to the flooring throughout the basement spaces.
- Contents were reported by site representatives as being impacted. Some contents were discarded prior to JCB's site visits.
- All building materials impacted have been tested and assessed for asbestos content. For the purposes of the restoration activities, all painted surfaces were assumed as lead-containing. All confirmed and assumed asbestos and lead containing materials must be performed by appropriately licensed and certified contractors. Sampling reports, if applicable, are attached to this letter.
- No visible mold growth was observed at the time of the inspection. If mold growth is encountered during the remediation, an assessment shall be performed in accordance with NYS DOL Article 32.
- All remediation methods shall be performed in strict accordance with all applicable federal, state, and local regulations/guidelines and specifically with the following documents:
 - EPA Mold Remediation in Schools and Commercial Buildings
 - IICRC S500 Standard and Reference Guide for Professional Water Damage Restoration
 - IICRC S520 Standard and Reference Guide for Professional Mold Remediation
 - Occupational Safety and Health Administration (OSHA)
 - New York State Department of Labor Article 32
 - EPA 40 CFR Part 745- Lead Based Paint Poisoning Prevention in Certain Residential Structures
 - NYS Industrial Code Rule 56
- Post remediation verification sampling is recommended at the completion of all remediation activities

Attached to this letter are site photos and any applicable sampling reports. If you have any questions, or if more information is needed, please feel free to contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bryan Ezelius', with a horizontal line underneath.

Bryan Ezelius

J. C. Broderick & Associates, Inc.

Moisture Map

J.C. Broderick & Associates, Inc.

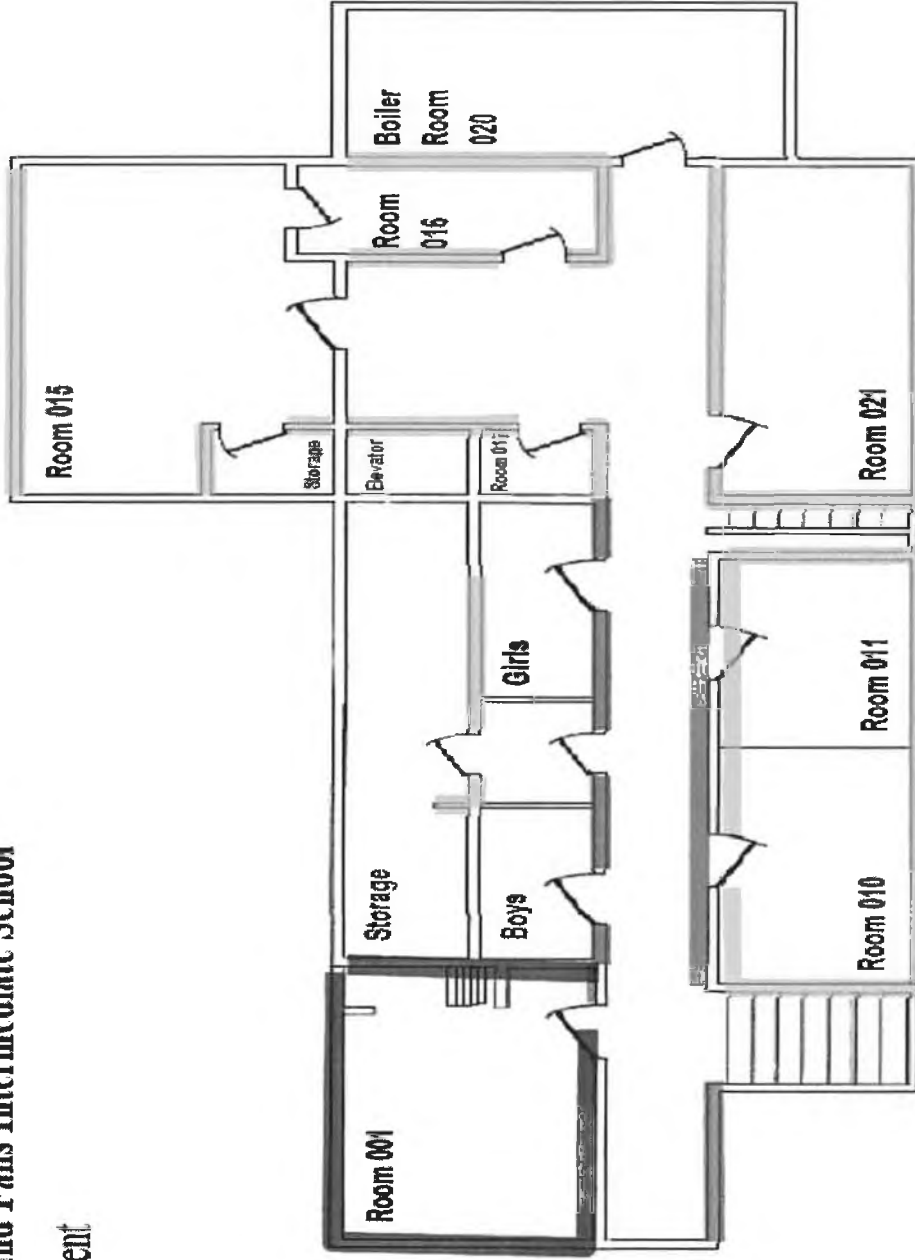
Environmental Consulting & Testing

1775 Expressway Drive North
Hauppauge, New York 11788



Highland Falls Intermediate School

Basement



- 2 Feet Moisture Gyp Wall
- 3 Feet Moisture Gyp Wall
- 5 Feet Moisture Gyp Wall



J.C. BRODERICK & Associates

ENVIRONMENTAL
CONSULTING & TESTING

1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

**Building Name:
Highland Falls
Intermediate
School**

Moisture Map

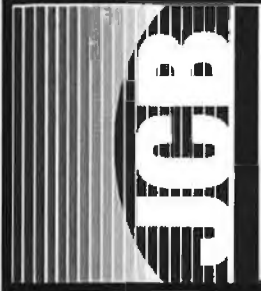
Photo Logs



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North
Hauppauge, New York 11788



**J.C. BRODERICK
& Associates**

ENVIRONMENTAL
CONSULTING & TESTING

1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.3395

**HIGHLAND FALLS
INTERMEDIATE
SCHOOL**

LOWER LEVEL





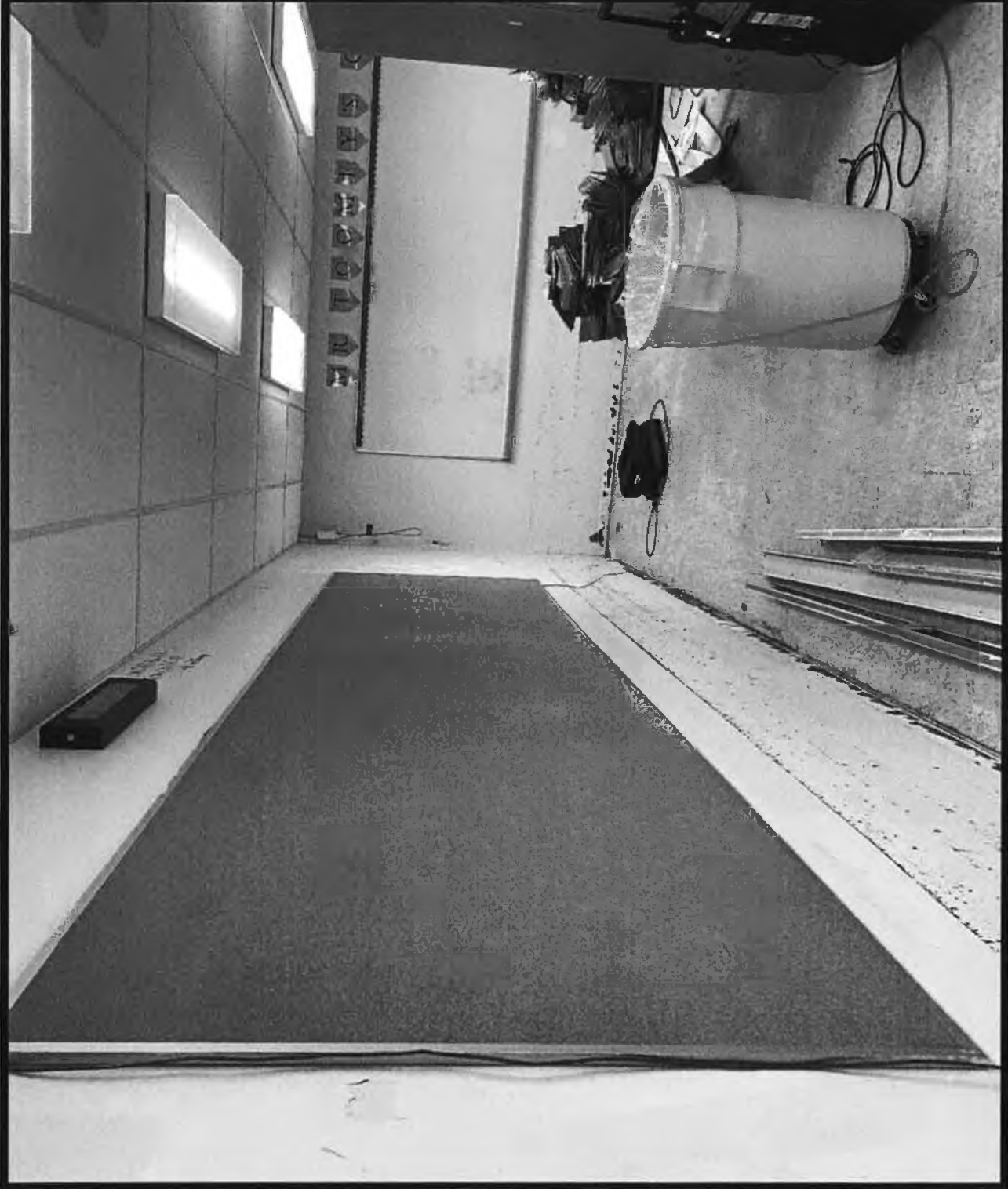
**J.C. BRODERICK
& Associates**

**ENVIRONMENTAL
CONSULTING & TESTING**

1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.3395

**HIGHLAND FALLS
INTERMEDIATE
SCHOOL**

LOWER LEVEL





**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.3395

**HIGHLAND FALLS
INTERMEDIATE
SCHOOL
LOWER LEVEL**



**B: Pre-Construction
Survey, Bulk Sampling &
Analysis of Suspect
Asbestos Containing
Materials**



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

J.C. Broderick & Associates, Inc.

Environmental/Construction Consulting & Testing



July 24, 2023

Mr. James Riley
Highland Falls - Fort Montgomery Central School District
P.O. Box 287
Highland Falls, New York 10928

**Re: Bulk Sampling and Analysis of Suspect Asbestos Containing Building Materials
Highland Falls Intermediate School
52 Mountain Avenue
Highland Falls, New York 10928
Sampling Dates: July 12, 13 & 24, 2023**

JCB #: 23-55456

Dear Mr. Riley:

J.C. Broderick & Associates, Inc. (JCB) performed bulk sampling and analysis of suspect asbestos containing building materials (ACBM). The sampling was limited to the following suspect materials:

- Suspect asbestos containing materials impacted by water loss in basement.

Inspection:

The inspection and subsequent bulk sampling was conducted by a New York State Department of Labor (NYS DOL) Licensed Consulting Firm by a certified asbestos inspector. The suspect materials identified were classified into homogenous material areas and then representative sampling of these materials was performed in accordance with the United States Environmental Protection Agency (US EPA) 40 CFR Part 763.86 (AHERA). Copies of JCB's license and certifications are included in the attachment of this report.

Chain of custody forms were prepared for the samples collected. The samples were delivered to EMSL Analytical Laboratories, Inc. (EMSL) for analysis. EMSL is an independent environmental laboratory accredited by the New York State Department of Health, Environmental Laboratory Approval Program and the United States Department of Commerce, National Voluntary Laboratory Approval Program. EMSL's certifications are included in the attachment of this report. Technical information regarding the methods of analysis are available upon request.

NYS DOL Industrial Code Rule 56-2.1(p) and US EPA 40 CFR Part 763.8 (AHERA) define an asbestos containing material (ACM) as any material or product which contains more than one percent (1%) of asbestos. In accordance with this definition, the table below summarizes the results of the laboratory analysis reported by EMSL.

Table 1.0: Summary of Result for Analysis of Suspect Asbestos Containing Building Materials			
ID	Material Description		Asbestos
A	12" x 12" Floor Tile Mastic, Yellow	Rooms 010 and 011	ASBESTOS
B	Textured Wall Plaster, White Coat	Room 015	Not Asbestos
C	Textured Wall Plaster, Brown Coat	Room 015	Not Asbestos
D	Gypsum Wallboard	Throughout Basement	Not Asbestos
E	Joint Compound, White	Throughout Basement	Not Asbestos
F	Wallboard Mastic, Yellow	Throughout Basement	Not Asbestos
G	Ceramic Wall Tile Grout	Basement Boys & Girls Bathrooms	Not Asbestos
H	Ceramic Wall Tile Thinset	Basement Boys & Girls Bathrooms	Not Asbestos
I	Cove Base Molding, Brown	Throughout Basement	Not Asbestos
J	Cove Base Molding, Black	Throughout Basement	Not Asbestos
K	Cove Base Molding Mastic, Beige	Throughout Basement	Not Asbestos
L	12" x 12" Floor Tile, White w/ Gray	Throughout Basement	Not Asbestos
M	12" x 12" Floor Tile, Gray	Throughout Basement	Not Asbestos
N	12" x 12" Floor Tile Mastic, Yellow	Room 001	Not Asbestos
O	12" x 12" Floor Tile Leveling Compound	Throughout Basement	Not Asbestos
P	12" x 12" Floor Tile Mastic, Black	Throughout Basement	Not Asbestos
Q	Carpet Mastic, Yellow	Room 001	Not Asbestos
R	Sink Undercoating, White	Throughout Basement	Not Asbestos
S	Hot Water Heater Wrap, White	Boiler Room	Not Asbestos
T	Hot Water Heater Insulation	Boiler Room	Not Asbestos
U	Cementitious Wall Material	Boiler Room	Not Asbestos
<p>*Previous sampling results per District's AMP. ^Determined by previous sampling results & additional laboratory analysis attached to this report.</p> <p>NOTE: The results of this sampling/inspection are limited to the information specifically referenced within this table. It may not reflect all the assumed and/or confirmed ACBM within the referenced location(s). Refer to the District's AMP for additional information pertaining to the presence of other assumed and/or confirmed ACBM within the referenced location(s)/building.</p> <p>NOTE: "Throughout Building" refers to known locations as referenced in the District's AMP. Any material in unknown or concealed locations shall be assumed as asbestos containing.</p>			

The intent of this inspection was to sample and analyze only the identified suspect ACBM. This survey was not intended to identify all ACBMs associated with the subject building and or the referenced subject spaces, unless otherwise noted.

No determination was made by JCB if the materials listed in the table are homogenous throughout the remaining portions of the building. That is, the findings of this inspection are limited to those areas specifically indicated in the table.

Any disturbance of the confirmed or assumed ACBM must be performed in accordance with all applicable federal, state, and local regulations. The intent of the table above was to report the building materials that are “asbestos-containing” in accordance with the US EPA and NYS DOL. This report was not intended for compliance with the United State Occupational Safety & Health Administration (OSHA) standards. The contractor is responsible for their own compliance with OSHA and shall refer directly to the laboratory reports. All confirmed ACBM that are not scheduled to be removed should be incorporated into the district’s asbestos management plan.

The following information has been included in the attachments of this report.

- Drawings & Photologs
- Chain of Custody & Laboratory Analysis
- Laboratory Certifications
- JCB Certifications

If there are any questions, or if more information is needed, please feel free to call.

Sincerely,



Bryan Ezelius
Project Manager
J.C. BRODERICK & ASSOCIATES, INC.

Drawings & Photologs



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

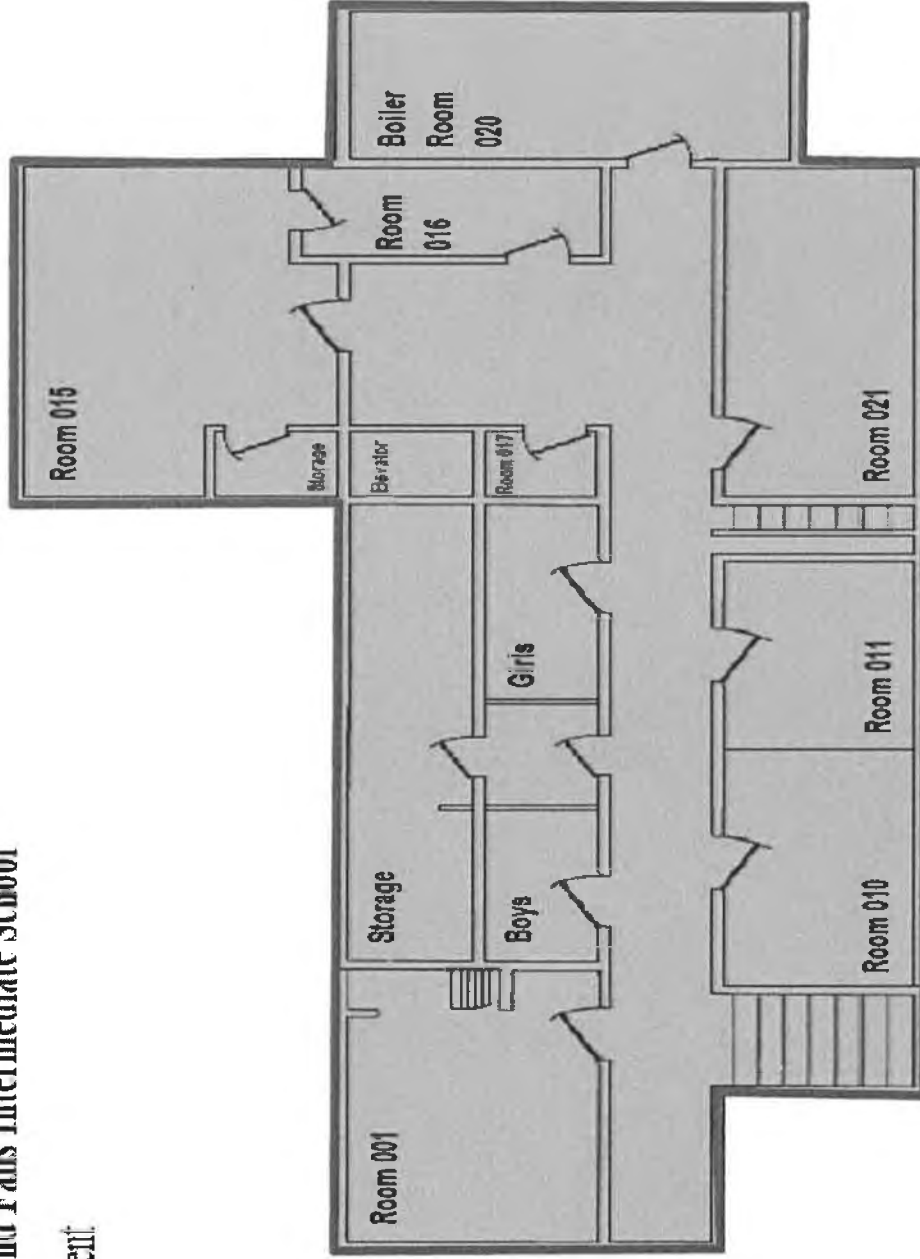
1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

Highland Falls Intermediate School

Basement



**J.C. BRODERICK
& Associates**

ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

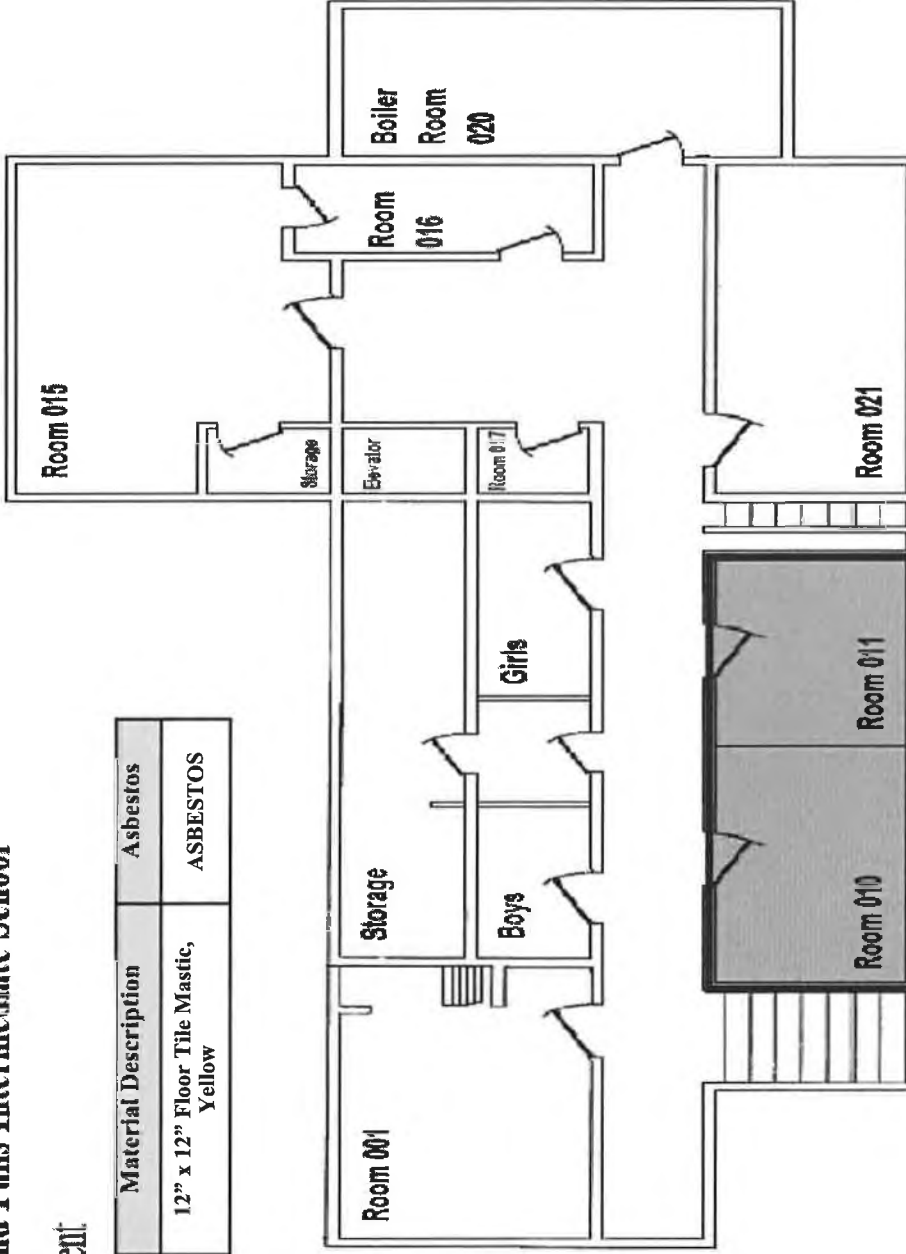
**Building Name:
Highland Falls
Intermediate
School**

**Scope of
Work
Locations**

Highland Falls Intermediate School

Basement

ID	Material Description	Asbestos
	12" x 12" Floor Tile Mastic, Yellow	ASBESTOS



J.C. BRODERICK & Associates
 ENVIRONMENTAL CONSULTING & TESTING
 1775 Expressway Drive North
 Hauppauge, New York 11788
 631.584.5492 fax 631.584.5913

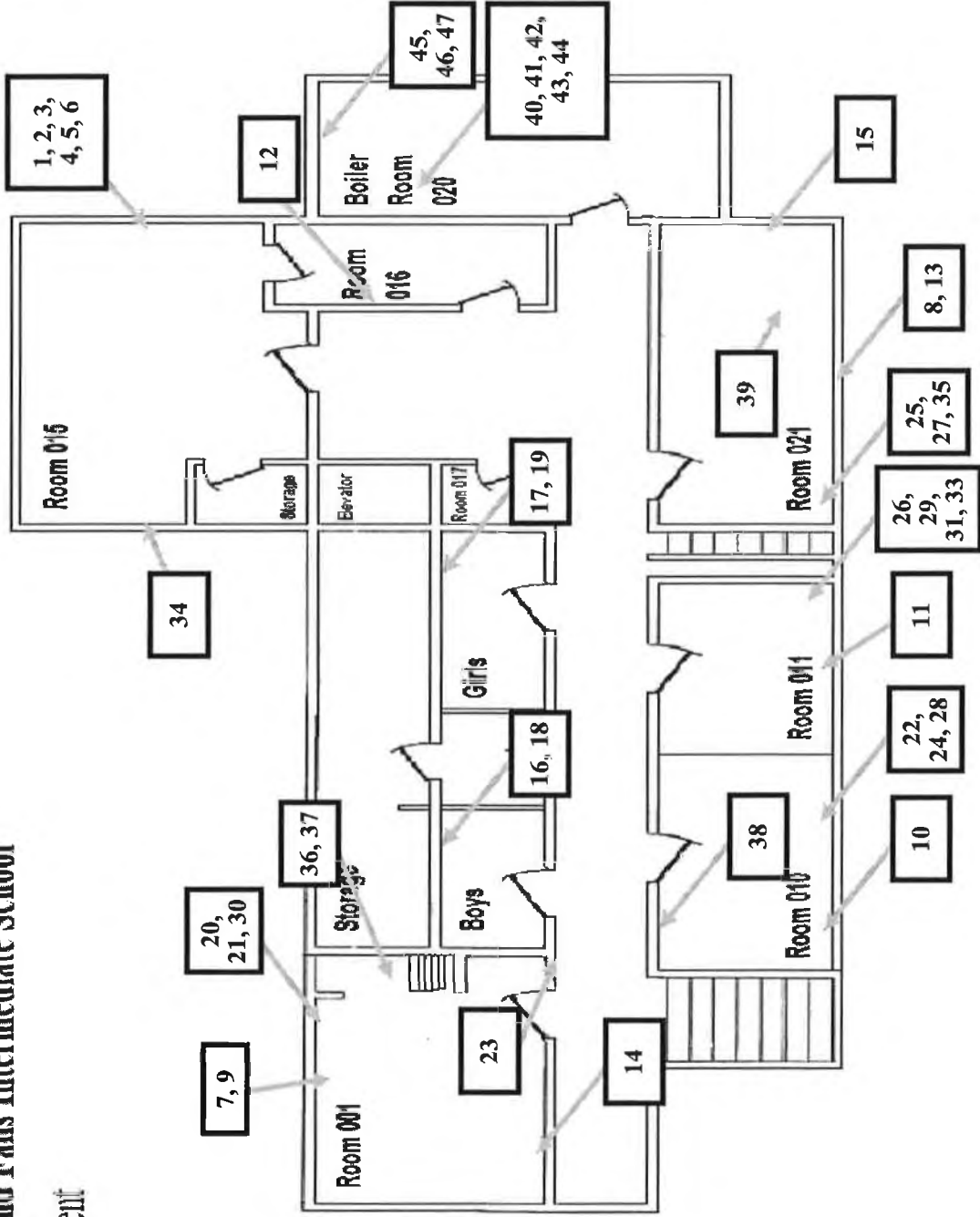
Project No:
 23-55456

Building Name:
 Highland Falls Intermediate School

Asbestos Containing Materials

Highland Falls Intermediate School

Basement



J.C. BRODERICK & Associates
ENVIRONMENTAL CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

Project No:
23-55456

Building Name:
Highland Falls Intermediate School

Sample Locations

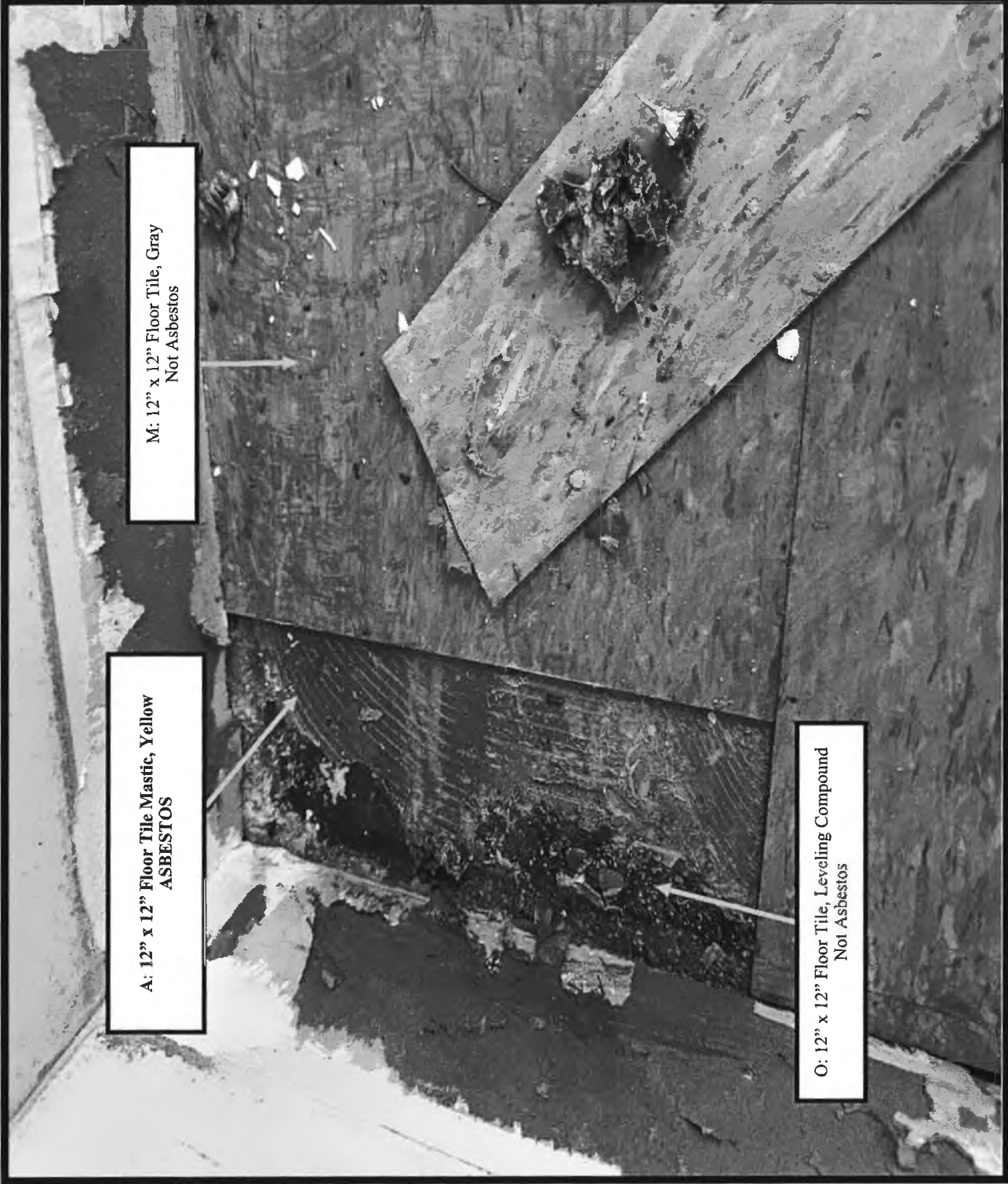


**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

Project No:
23-55456

Building Name:
Highland Falls
Intermediate
School

Photo Log



**M: 12" x 12" Floor Tile, Gray
Not Asbestos**

**A: 12" x 12" Floor Tile Mastic, Yellow
ASBESTOS**

**O: 12" x 12" Floor Tile, Leveling Compound
Not Asbestos**



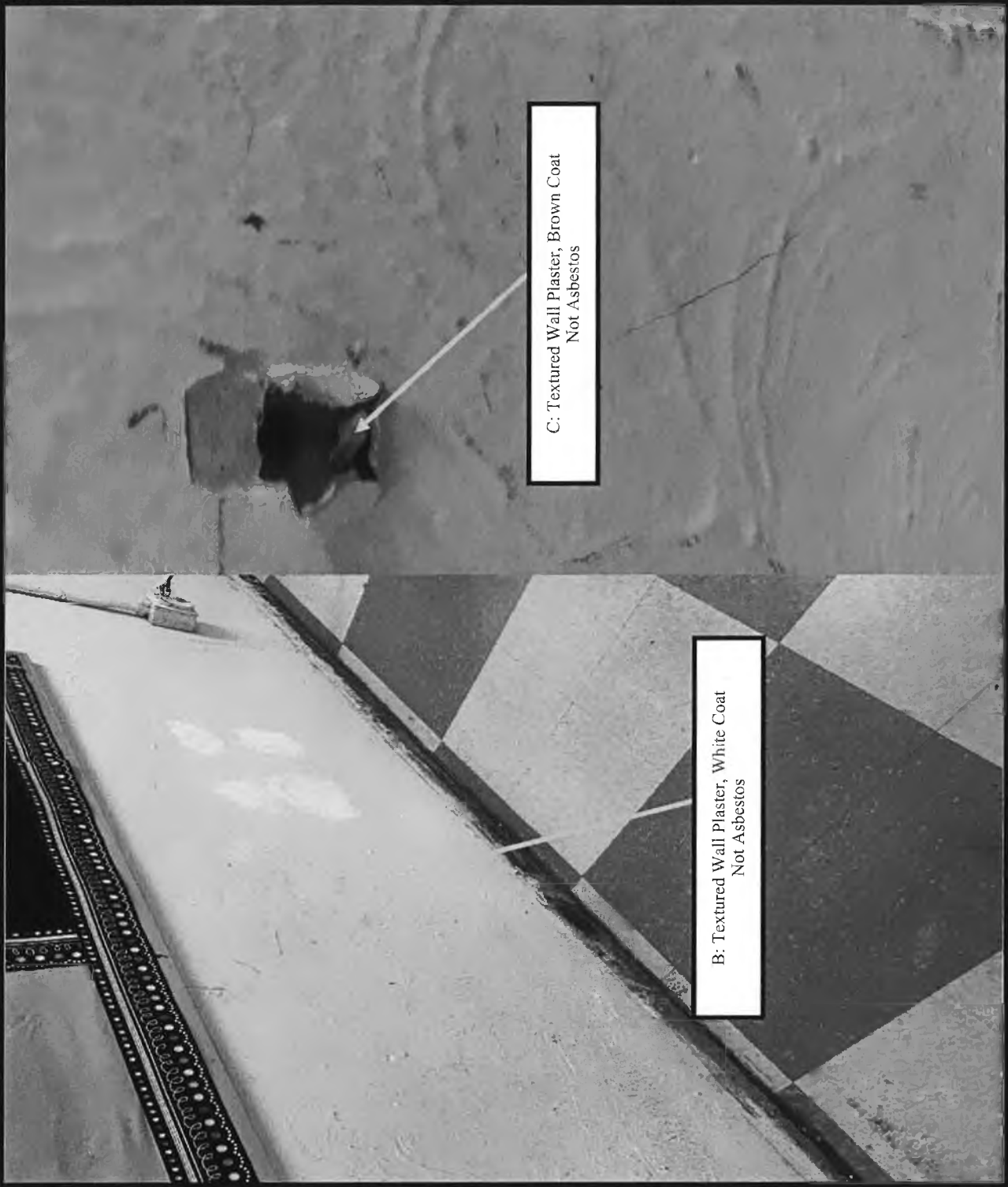
**J.C. BRODERICK
& Associates**

ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

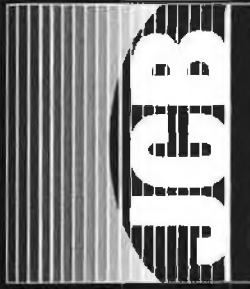
**Building Name:
Highland Falls
Intermediate
School**

Photo Log



C: Textured Wall Plaster, Brown Coat
Not Asbestos

B: Textured Wall Plaster, White Coat
Not Asbestos

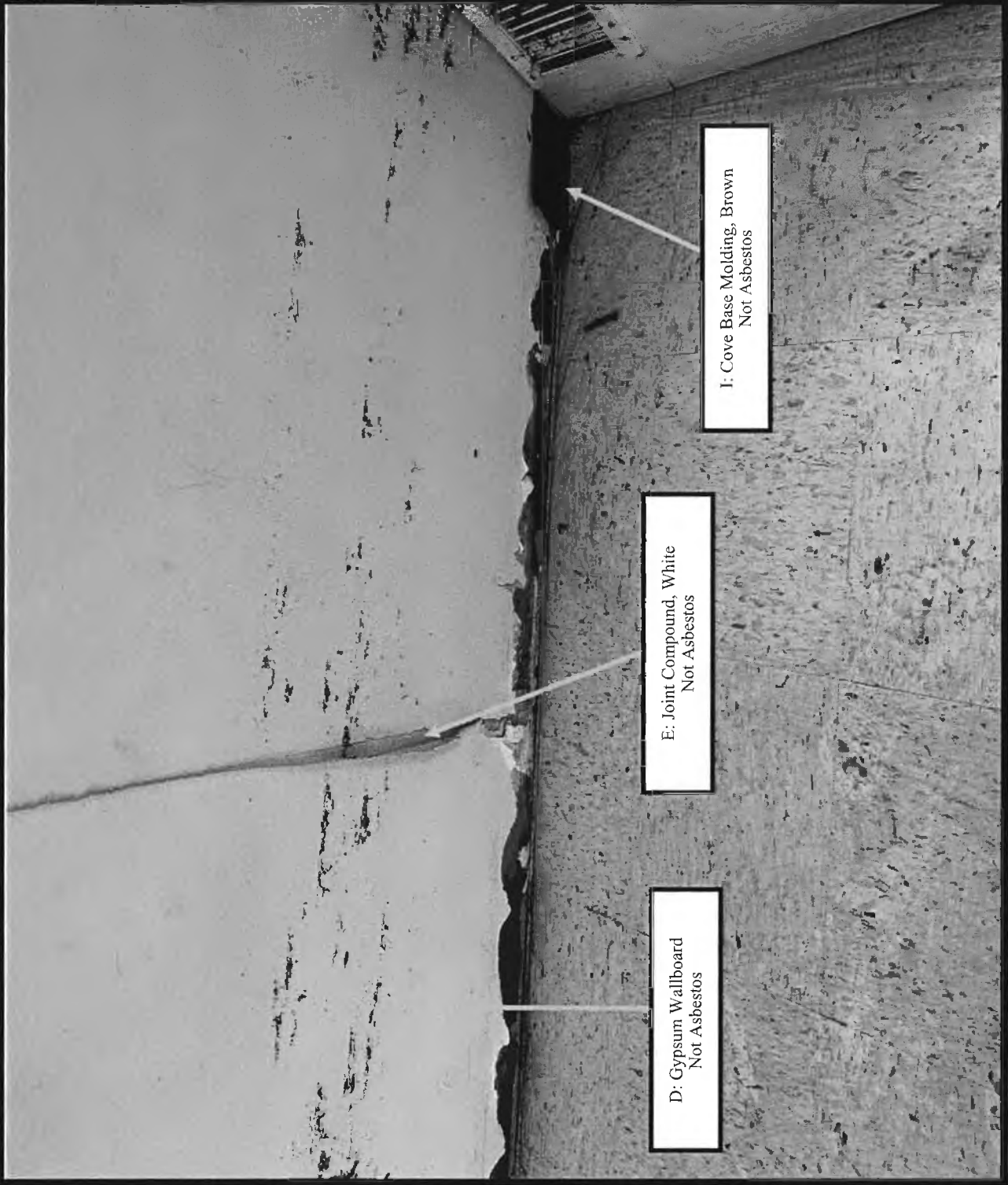


**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

**Building Name:
Highland Falls
Intermediate
School**

Photo Log



**D: Gypsum Wallboard
Not Asbestos**

**E: Joint Compound, White
Not Asbestos**

**I: Cove Base Molding, Brown
Not Asbestos**

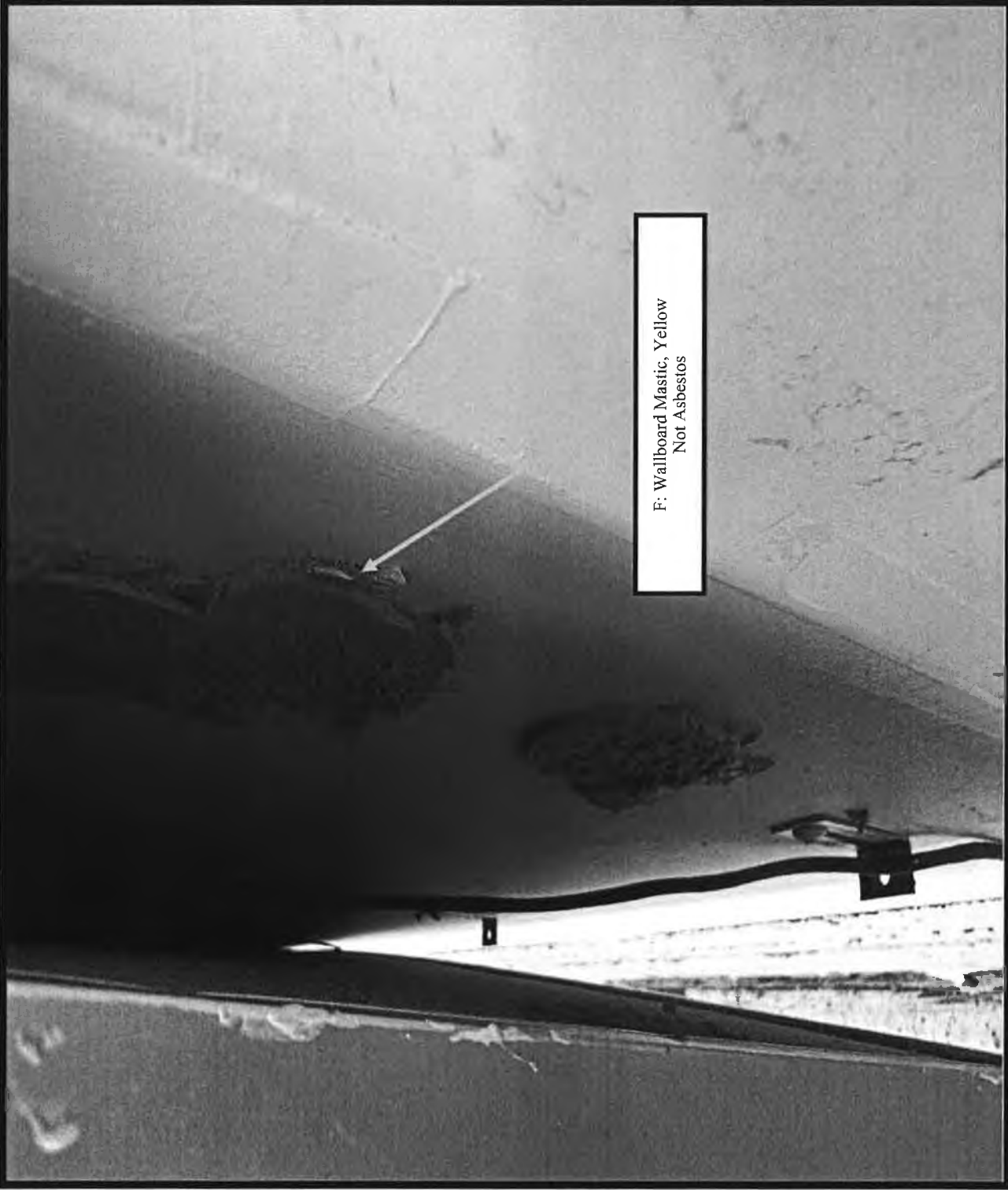


**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

**Building Name:
Highland Falls
Intermediate
School**

Photo Log



F: Wallboard Mastic, Yellow
Not Asbestos



**J.C. BRODERICK
& Associates**

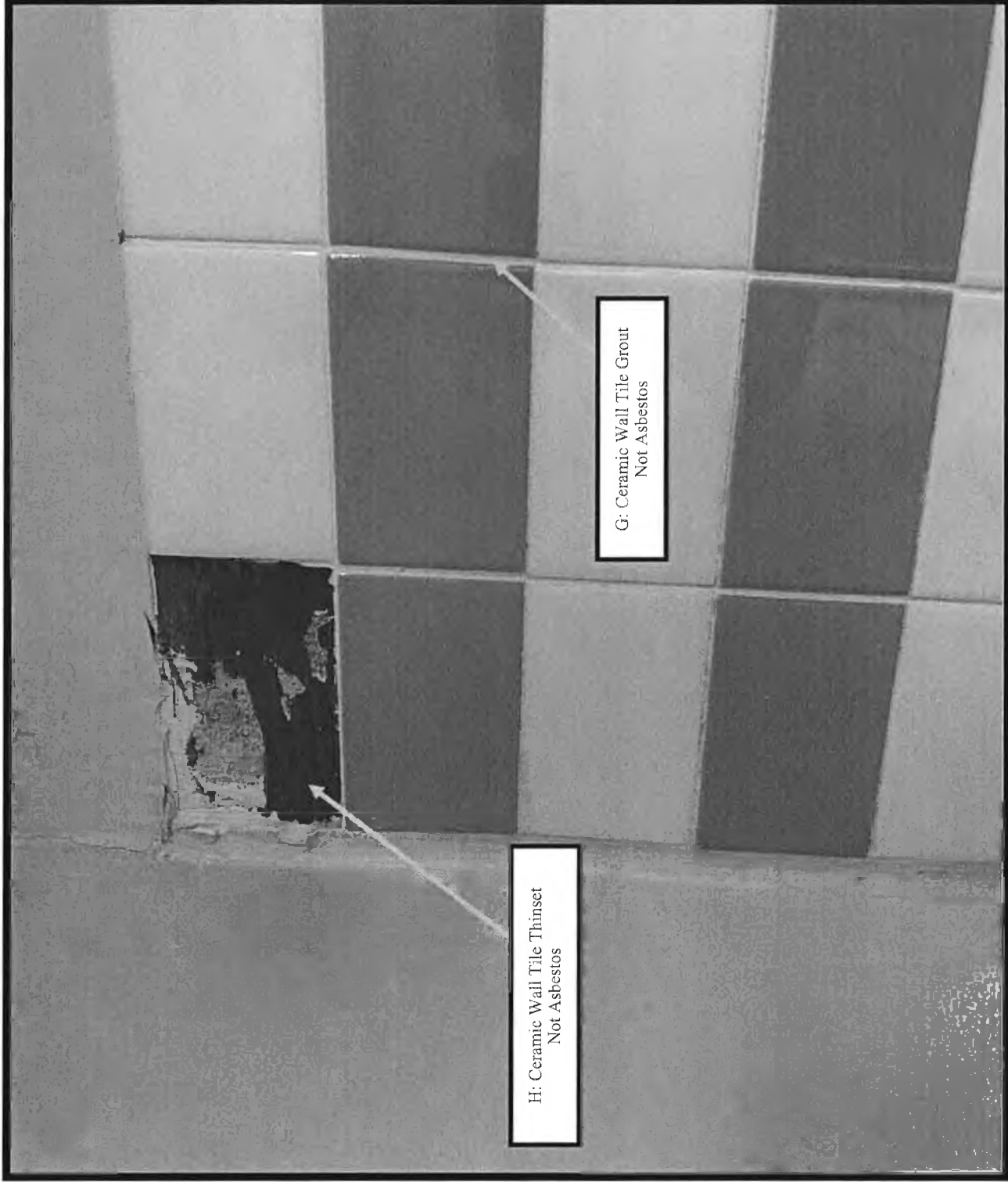
ENVIRONMENTAL
CONSULTING & TESTING

1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

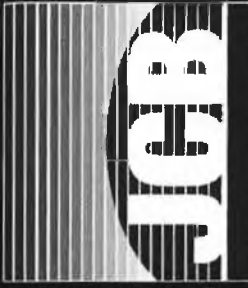
**Building Name:
Highland Falls
Intermediate
School**

Photo Log



H: Ceramic Wall Tile Thinset
Not Asbestos

G: Ceramic Wall Tile Grout
Not Asbestos

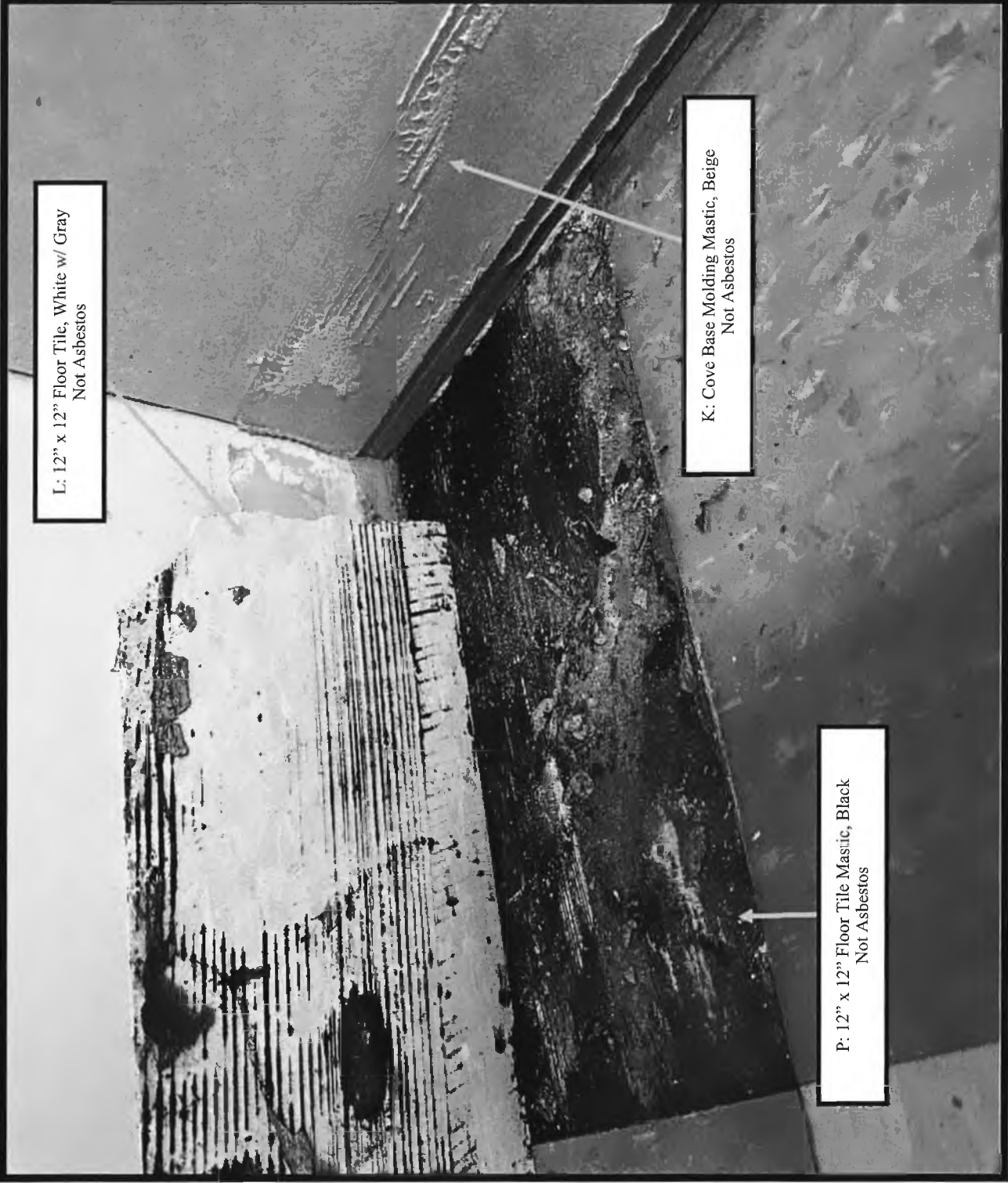


**J.C. BRODERICK
& Associates**
 ENVIRONMENTAL
 CONSULTING & TESTING
 1775 Expressway Drive North
 Hauppauge, New York 11788
 631.584.5492 fax 631.584.5913

Project No:
 23-55456

Building Name:
 Highland Falls
 Intermediate
 School

Photo Log



L: 12" x 12" Floor Tile, White w/ Gray
 Not Asbestos

K: Cove Base Molding Mastic, Beige
 Not Asbestos

P: 12" x 12" Floor Tile Mastic, Black
 Not Asbestos



**J.C. BRODERICK
& Associates**
ENVIRONMENTAL
CONSULTING & TESTING
1775 Expressway Drive North
Hauppauge, New York 11788
631.584.5492 fax 631.584.5913

**Project No:
23-55456**

**Building Name:
Highland Falls
Intermediate
School**

Photo Log



R: Sink Undercoating, White
Not Asbestos

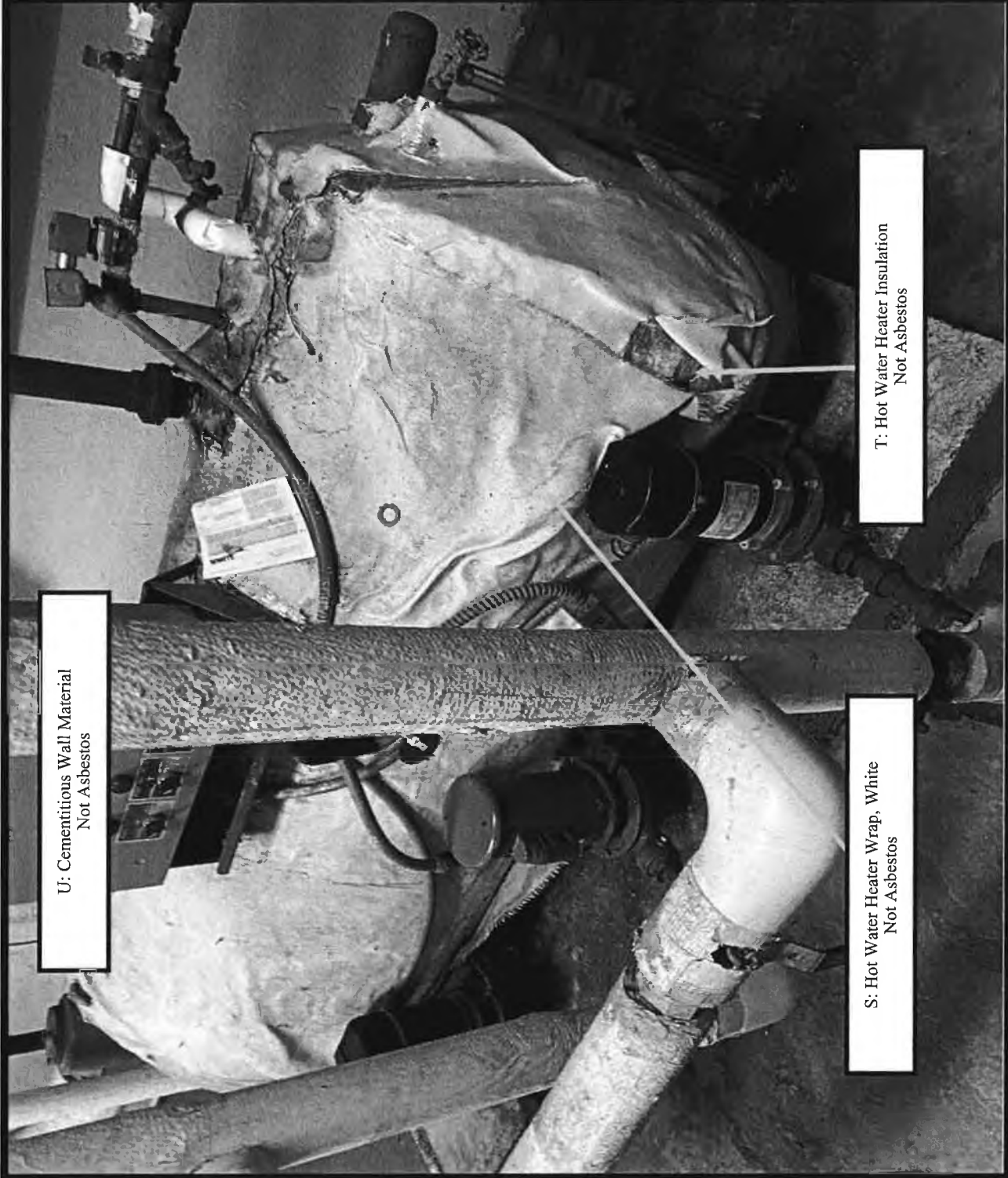


**J.C. BRODERICK
& Associates**
 ENVIRONMENTAL
 CONSULTING & TESTING
 1775 Expressway Drive North
 Hauppauge, New York 11788
 631.584.5492 fax 631.584.5913

Project No:
 23-55456

Building Name:
 Highland Falls
 Intermediate
 School

Photo Log



U: Cementitious Wall Material
 Not Asbestos

S: Hot Water Heater Wrap, White
 Not Asbestos

T: Hot Water Heater Insulation
 Not Asbestos

Chain of Custody & Laboratory Analysis



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

032308123

BULK SAMPLING CHAIN OF CUSTODY RECORD

PAGE 1 OF 3

SITE: Highland Falls Intermediate School
 ADDRESS: 52 Mountain Ave. Highland Falls, NY 10920
 DATE: 7/12/2023
 CLIENT: Highland Falls - Fort Montgomery CSD
 PROJECT #: 23-55456

SAMPLER'S NAME: Jacett Bonnie
 SAMPLER'S SIGN: [Signature]
 LABORATORY: EMSL
 TURNAROUND TIME: 12 HOUR 6 HOUR
 (CIRCLE ONE) 24 HOUR RUSH
 MANAGER: Bryan Ezebis

OTHER: 5HR
Plan

ANALYZE EACH MATERIAL TO 1ST POSITIVE

SAMPLE #	HM #	MATERIAL DESCRIPTION	SPACE ID / LOCATION	ANALYSIS METHOD
1	HM1	Textured Wall Plaster, White Coat	Room 015	Asbestos NYS Protocol
2	↓			
3	↓			
4	HM2	Textured Wall plaster, Brown Coat		
5	↓			
6	↓			
7	HM3	Gypsum wallboard	Room 001	
8	↓		Room 021	
9	HM4	Joint Compound, White	Room 001	
10	↓		Room 010	
11	↓		Room 011	
12	↓		Room 016	
13	↓		Room 021	
14	HM5	Wallboard Mastic, Yellow	Room 001	
15	↓		Room 021	
16	HM6	Ceramic Wall Tile Grout	Boys Bathroom	
17	↓		Girls Bathroom	
18	HM7	Ceramic Wall Tile Thinset	Boys Bathroom	

EMSL LONG ISLAND CITY LAB
 RECEIVED
 2023 JUL 12 P 2:16

SUBMITTED BY (PRINT): Jacett Bonnie SIGNATURE: [Signature] TIME: 2:16 P

RECEIVED BY (PRINT): Nathan Caldwell SIGNATURE: [Signature] TIME: 7/12/2023

ANALYST (PRINT): _____ SIGNATURE: _____ TIME: _____

COMMENTS: _____

J.C. BRODERICK & ASSOCIATES

1775 Expressway Drive North • HAUPPAUGE • NEW YORK, 11788 • PHONE: (631) 584-5492 • FAX: (631) 584-3395

032308123

BULK SAMPLING CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

SITE: Highland Falls Intermediate School
 ADDRESS: 52 Mountain Ave Highland Falls NY 10828
 DATE: 7/12/2023
 CLIENT: Highland Falls - East Montgomery CSD
 PROJECT #: 23-55456

SAMPLER'S NAME: Jerrett Boniface
 LABORATORY: EMSL
 TURNAROUND TIME: 24 HOUR 12 HOUR 6 HOUR RUSH OTHER
 MANAGER: Bryan Ezelov

ANALYZE EACH MATERIAL TO 1ST POSITIVE

SAMPLE #	HM #	MATERIAL DESCRIPTION	SPACE ID / LOCATION	ANALYSIS METHOD
19	HM7	Ceramic Wall Tile Thruout	Girls Bathroom	ASBESTOS
20	HM8	Cove Base Molding, Brown	Room 001	
21	↓	↓	↓	
22	HM9	Cove Base Molding, Black	Room 010	
23	↓	↓	Basement Corridor	
24	HM10	Cove Base Molding Mastic, Beige	Room 010	
25	↓	↓	Room 021	
26	HM11	12x12 Floor Tile, White w/ Gray	Room 011	
27	↓	↓	Room 021	
28	HM12	12x12 Floor Tile, Gray	Room 010	
29	↓	↓	Room 011	
30	HM13	12x12 Floor Tile Mastic, Yellow	Room 001	
31	↓	↓	Room 010	
32	HM14	12x12 Floor Tile Leveling Compound	Room 010	
33	↓	↓	Room 011	
34	HM15	12x12 Floor Tile Mastic, Black	Room 015	
35	↓	↓	Room 021	
36	HM16	Carpet Mastic, Yellow	Room 001	

EMSL LONG ISLAND CITY LAB
 RECEIVED
 2023 JUL 12 P 2:16

SUBMITTED BY (PRINT) <u>Jerrett Boniface</u>	SIGNATURE 	DATE <u>7/12/23</u>	TIME <u>2:16</u>
RECEIVED BY (PRINT) <u>Adam Caldwell</u>	SIGNATURE 	DATE <u>7/22/23</u>	TIME <u>2:16</u>
COMMENTS	ANALYST (PRINT)	SIGNATURE	DATE

J.C. BRODERICK & ASSOCIATES

1775 Expressway Drive North • HAUPPAUGE • NEW YORK, 11788 • PHONE: (631) 584-5492 • FAX: (631) 584-3395

032308123

BULK SAMPLING CHAIN OF CUSTODY RECORD

PAGE 3 OF 3

SITE: Highland Falls Intermediate School
 ADDRESS: 52 Mountain Ave Highland Falls NY 10928
 DATE: 7/12/2023
 CLIENT: Highland Falls - Fort Montgomery CSD
 PROJECT #: 23-55456

SAMPLER'S NAME: Jerett Bomfau
 SAMPLER'S SIGN: [Signature]
 LABORATORY: EMSL
 TURNAROUND TIME: 24 HOUR 12 HOUR 6 HOUR RUSH OTHER
 (CIRCLE ONE)
 MANAGER: Bryan Ezellus

ANALYZE EACH MATERIAL TO 1ST POSITIVE

SAMPLE #	HM #	MATERIAL DESCRIPTION	SPACE ID / LOCATION	ANALYSIS METHOD
37	HM 16	Carpet Mats Yellow	Room 001	Asbestos
38	HM 17	SINK Under-sink/white	Room 010	
39	↓	↓	Room 021	

2023 JUL 12 P 2 16
 EMSL LONG ISLAND CITY LAB
 RECEIVED

SUBMITTED BY (PRINT) <u>Jerett Bomfau</u>	SIGNATURE <u>[Signature]</u>	DATE <u>7/12/23</u>	TIME	RECEIVED BY (PRINT) <u>Allen Colton</u>	SIGNATURE <u>[Signature]</u>	DATE <u>7/12/23</u>	TIME <u>2:16 PM</u>
COMMENTS				ANALYST (PRINT)			

J.C. BRODERICK & ASSOCIATES

1775 Expressway Drive North ♦ HAUPPAUGE ♦ NEW YORK, 11788 ♦ PHONE: (631) 584-5492 ♦ FAX: (631) 584-3395



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Attention: bryan ezelious
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788
Phone: (631) 584-5492
Fax:
Received Date: 07/12/2023 2:16 PM
Analysis Date: 07/12/2023 - 07/13/2023
Collected Date: 07/12/2023
Project: 23-55456/ Highland Falls Intermediate School/ 52 Mountain Ave Highland Falls NY 10928/ Highland Falls - Fort Montgomery

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1 032308123-0001		Description	Room 015 - Textured wall plaster, white coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		60.00% Ca Carbonate 40.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2 032308123-0002		Description	Room 015 - Textured wall plaster, white coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 3 032308123-0003		Description	Room 015 - Textured wall plaster, white coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Beige		55.00% Ca Carbonate 3.00% Mica 35.00% Non-fibrous (other) 7.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 4 032308123-0004		Description	Room 015 - Textured wall plaster, brown coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Brown		45.00% Ca Carbonate 30.00% Non-fibrous (other) 25.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 5 032308123-0005			Description Room 015 - Textured wall plaster, brown coat		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Brown/ Gray		45.00% Ca Carbonate 35.00% Non-fibrous (other) 20.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 6 032308123-0006			Description Room 015 - Textured wall plaster, brown coat		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Gray	2.00% Cellulose 3.00% Min. Wool	45.00% Ca Carbonate 5.00% Mica 25.00% Non-fibrous (other) 20.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 7 032308123-0007			Description Room 001 - Gypsum wallboard		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Beige	2.00% Glass	60.00% Gypsum 38.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 8 032308123-0008			Description Room 021 - Gypsum wallboard		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Brown/ White	20.00% Cellulose 5.00% Glass	15.00% Ca Carbonate 35.00% Gypsum 3.00% Mica 15.00% Non-fibrous (other) 7.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 9 032308123-0009			Description Room 001 - Joint compound, white		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 10 032308123-0010			Description Room 010 - Joint compound, white Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11 032308123-0011			Description Room 011 - Joint compound, white Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 12 032308123-0012			Description Room 016 - Joint compound, white Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 5.00% Mica 15.00% Non-fibrous (other) 15.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 13 032308123-0013			Description Room 021 - Joint compound, white Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Beige		65.00% Ca Carbonate 5.00% Mica 15.00% Non-fibrous (other) 15.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 14 032308123-0014			Description Room 001 - Wallboard mastic, yellow Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Yellow		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Yellow		100.00% Other	None Detected

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 15 032308123-0015			Description Room 021 - Wallboard mastic, yellow		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Yellow		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Yellow		100.00% Other	None Detected
Sample ID 16 032308123-0016			Description Boys bathroom - Ceramic wall tile grout		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 35.00% Non-fibrous (other)	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 17 032308123-0017			Description Girls bathroom - Ceramic wall tile grout		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	White		65.00% Ca Carbonate 3.00% Mica 25.00% Non-fibrous (other) 7.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 18 032308123-0018			Description Boys bathroom - Ceramic wall tile thinset		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Gray/ White		30.00% Ca Carbonate 25.00% Non-fibrous (other) 45.00% Quartz	None Detected
No Vermiculite Detected.					
Result includes a small amount of inseparable attached material					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 19 032308123-0019			Description Girls bathroom - Ceramic wall tile thinset		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Gray	2.00% Cellulose	55.00% Ca Carbonate 3.00% Mica 25.00% Non-fibrous (other) 15.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 20 032308123-0020		Description	Room 001 - Cove base molding, brown		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Black	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Black		100.00% Other	None Detected
Sample ID 21 032308123-0021		Description	Room 001 - Cove base molding, brown		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Black	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Black		100.00% Other	None Detected
Sample ID 22 032308123-0022		Description	Room 010 - Cove base molding, black		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Black	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Black		100.00% Other	None Detected
Sample ID 23 032308123-0023		Description	Basement corridor - Cove base molding, black		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Black		100.00% Other	None Detected
Sample ID 24 032308123-0024		Description	Room 010 - Cove base molding mastic, beige		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Beige		100.00% Other	None Detected
Sample ID 25 032308123-0025		Description	Room 021 - Cove base molding mastic, beige		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Beige		100.00% Other	None Detected

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 26 032308123-0026		Description Room 011 - 12x12 floor tile, white w/ gray			
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	White		100.00% Other	None Detected
Sample ID 27 032308123-0027		Description Room 021 - 12x12 floor tile, white w/ gray			
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	White		100.00% Other	None Detected
Sample ID 28 032308123-0028		Description Room 010 - 12x12 floor tile, gray			
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Gray		100.00% Other	None Detected
Sample ID 29 032308123-0029		Description Room 011 - 12x12 floor tile, gray			
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Gray		100.00% Other	None Detected
Sample ID 30 032308123-0030		Description Room 001 - 12x12 floor tile mastic, yellow			
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Yellow	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	07/13/2023	Yellow	None	100.00% Other	<1% Chrysotile
Sample ID 31 032308123-0031		Description Room 010 - 12x12 floor tile mastic, yellow			
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Yellow	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	07/13/2023	Yellow	None	97.90% Other	2.10% Chrysotile

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 32 032308123-0032			Description Room 010 - 12x12 floor tile leveling compound		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Gray	3.00% Cellulose	65.00% Ca Carbonate 5.00% Mica 20.00% Non-fibrous (other) 7.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 33 032308123-0033			Description Room 011 - 12x12 floor tile leveling compound		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/12/2023	Gray	2.00% Cellulose	65.00% Ca Carbonate 3.00% Mica 25.00% Non-fibrous (other) 5.00% Quartz	None Detected
No Vermiculite Detected.					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 34 032308123-0034			Description Room 015 - 12x12 floor tile mastic, black		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Black	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	07/13/2023	Black	None	100.00% Other	<1% Chrysotile
Sample ID 35 032308123-0035			Description Room 021 - 12x12 floor tile mastic, black		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Black		100.00% Other	None Detected
Sample ID 36 032308123-0036			Description Room 001 - carpet mastic, yellow		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Yellow	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Yellow		100.00% Other	None Detected
Sample ID 37 032308123-0037			Description Room 001 - carpet mastic, yellow		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	Yellow		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	Yellow	None	100.00% Other	<1% Chrysotile

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 38 032308123-0038			Description Room 010 - Sink undercoating, white		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	White		100.00% Other	None Detected
Sample ID 39 032308123-0039			Description Room 021 - Sink undercoating, white		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/13/2023	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/13/2023	White		100.00% Other	None Detected

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032308123
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 7/12/2023
Analysis Completed Date: 7/12/2023

Sample Receipt Time: 2:16 PM
Analysis Completed Time: 3:34 PM

Analyst(s):

Gabriel Ortiz PLM NYS 198.1 Friable (10)

Kerrie Gibson PLM NYS 198.1 Friable (9)

Jessica Macdonald PLM NYS 198.6 NOB (20)

Valencia Poorajah TEM NYS 198.4 NOB (20)

Samples reviewed and approved by:

Charles Johnson, Asbestos Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Long Island City, NY NYS ELAP 11506, NVLAP Lab Code 101048-9

Report amended: 07/13/2023 17:31:15 Replaces initial report from: 07/12/2023 17:17:43 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312661
Customer ID: JCBR50
Customer PO:
Project ID:

Attention: Bryan Ezelius
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788
Phone: (631) 584-5492
Fax:
Received Date: 07/14/2023 1:45 AM
Analysis Date: 07/14/2023
Collected Date: 07/13/2023
Project: Highland Falls Intermediate School, 52 Mountain Ave., Highland Falls, NY 10928, Highland Falls - Fort Montgomery CSD, Project #23-55456

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM18-40 062312661-0001			Description Boiler Room - Hot Water Heater, Pipe Wrap Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	07/14/2023	Tan/ White	3.00% Cellulose 90.00% Glass	7.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM18-41 062312661-0002			Description Boiler Room - Hot Water Heater, Pipe Wrap Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	White	<1.00% Cellulose 97.00% Glass	3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM19-42 062312661-0003			Description Boiler Room - Hot Water Heater, Insulation Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	Gray	8.00% Min. Wool	27.00% Ca Carbonate 65.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM19-43 062312661-0004			Description Boiler Room - Hot Water Heater, Insulation Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	07/14/2023	Gray/ Rust	6.00% Min. Wool	29.00% Ca Carbonate 65.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM19-44 062312661-0005			Description Boiler Room - Hot Water Heater, Insulation Homogeneity Homogeneous		
PLM NYS 198.1 Friable	07/14/2023	Gray	8.00% Min. Wool	32.00% Ca Carbonate 60.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 07/15/2023 10:37:58



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312661
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM20-45 062312661-0006			Description Boiler Room - Cementitious Wall Material Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	07/14/2023	Tan/ White		20.00% Ca Carbonate 25.00% Non-fibrous (other) 55.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM20-46 062312661-0007			Description Boiler Room - Cementitious Wall Material Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	07/14/2023	Tan/ White		20.00% Ca Carbonate 30.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID HM20-47 062312661-0008			Description Boiler Room - Cementitious Wall Material Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	07/14/2023	Tan/ White		15.00% Ca Carbonate 30.00% Non-fibrous (other) 55.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 07/15/2023 10:37:58



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062312661
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 7/14/2023
Analysis Completed Date: 7/14/2023

Sample Receipt Time: 1:45 PM
Analysis Completed Time: 9:25 PM

Analyst(s):

Steve Jusczyk PLM NYS 198.1 Friable (8)

Samples reviewed and approved by:

Daniel Clarke, Asbestos Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY NYS ELAP 11469, NVLAP Lab Code 101048-10

Initial report from: 07/15/2023 10:37:58



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062313754
Customer ID: JCBR50
Customer PO:
Project ID:

Attention: Bryan Ezelius
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Phone: (631) 584-5492
Fax:
Received Date: 07/25/2023 10:45 AM
Analysis Date: 07/26/2023
Collected Date: 07/24/2023

Project: Highland Falls Intermediate School; 52 Mountain Avenue, Highland Falls, New York 10928; Highland Falls-Fort Montgomery Central School District; Project# 23-55456

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID HM 13-48 062313754-0001		Description	Room 001 - 12" x 12" Floor Tile Mastic, Yellow		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	07/26/2023	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	07/26/2023	Tan		100.00% Other	None Detected

Initial report from: 07/26/2023 13:49:45



EMSL Analytical, Inc.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com / carleplacelab@emsl.com

EMSL Order: 062313754
Customer ID: JCBR50
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 7/25/2023
Analysis Completed Date: 7/26/2023

Sample Receipt Time: 10:45 AM
Analysis Completed Time: 11:28 AM

Analyst(s):

April Schmuck PLM NYS 198.6 NOB (1)

Rosemary Ortega TEM NYS 198.4 NOB (1)

Samples reviewed and approved by:

Daniel Clarke, Asbestos Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis . Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos . Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government . Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY NYS ELAP 11469, NVLAP Lab Code 101048-10

Initial report from: 07/26/2023 13:49:45

Laboratory Certifications



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MR. CHARLES JOHNSON
EMSL ANALYTICAL, INC
10-39 45TH ROAD
LONG ISLAND CITY, NY 11101*

NY Lab Id No: 11506

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Bacteriology

Coliform, Fecal	SM 9222D-2015
Coliform, Total	SM 9222B-2015
Heterotrophic Plate Count	SM 18-21 9215B

Serial No.: 66411

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



JCB Certifications



J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing

1775 Expressway Drive North

Hauppauge, New York 11788

631.584.5492 fax 631.584.3395

WE ARE YOUR DOL



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

J.C. Broderick & Associates Inc.
1775 Expressway Drive No., Hauppauge, NY, 11788

License Number: 28731
License Class: RESTRICTED
Date of Issue: 04/24/2023
Expiration Date: 05/31/2024
Duly Authorized Representative: Brendan Broderick

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

A handwritten signature in black ink, appearing to read "Amy Phillips".

Amy Phillips, Director
For the Commissioner of Labor

J.C. BRODERICK & ASSOCIATES, INC.
1775 EXPRESSWAY DRIVE NORTH
HAUPPAUGE, NEW YORK 11788
(631) 584-5492 Fax: (631) 584-3395



NAME	CERTIFICATION NUMBER	ASBESTOS CERTIFICATIONS	EXPIRATION MONTH	EXPIRATION YEAR
Abiodyn, Olushola	23-6TUEP-SHAB	Air Sampling Technician	March	2024
Abreu, Manuel	23-6TUJD-SHAB	Air Sampling Technician	January	2024
Ahmed, Foysal	23-6TIDE-SHAB	Air Sampling Technician	August	2024
Alam, Shihab	23-6TIFH-SHAB	Air Sampling Technician	June	2024
Altmann, William	23-6TIFY-SHAB	Project Monitor	August	2024
Altmann, William	23-6TIFY-SHAB	Air Sampling Technician	August	2024
Ameen, Adeyeye	23-6TIRF-SHAB	Project Monitor	May	2024
Ameen, Adeyeye	23-6TIRF-SHAB	Air Sampling Technician	May	2024
Ariste, Judens	23-6TIG1-SHAB	Project Monitor	March	2024
Ariste, Judens	23-6TIG1-SHAB	Air Sampling Technician	March	2024
Aseperi, John	23-6TLQA-SHAB	Air Sampling Technician	February	2024
Basile, Nicholas	23-6TIN5-SHAB	Project Monitor	March	2024
Basile, Nicholas	23-6TIN5-SHAB	Air Sampling Technician	March	2024
Beagan, Kevin	23-6TIDG-SHAB	Project Monitor	October	2024
Beagan, Kevin	23-6TIDG-SHAB	Air Sampling Technician	October	2024
Benitez, Henry	22-09081	Air Sampling Technician	April	2024
Bertrand, Wilfrid	23-6TIGH-SHAB	Air Sampling Technician	August	2024
Bertrand, Wilfrid	23-6TIGH-SHAB	Project Monitor	August	2024
Bertrand, Wilfrid	04-01818	Inspector	August	2024
Bertrand, Wilfrid Christopher	21-00211	Air Sampling Technician	November	2024
Bertrand, Wilfrid Christopher	21-00211	Project Monitor	November	2024
Bolognini, Danielle	19-11156	Inspector	November	2023
Bolognini, Danielle	19-11156	Air Sampling Technician	November	2023
Bolognini, Danielle	19-11156	Project Monitor	November	2023
Boniface, Jarett	17-28399	Project Monitor	October	2023
Boniface, Jarett	17-28399	Air Sampling Technician	October	2023
Boniface, Jarett	17-28399	Inspector	October	2023
Broderick, Brendan	93-11994	Air Sampling Technician	August	2023
Broderick, Brendan	93-11994	Project Monitor	August	2023
Broderick, Brendan	93-11994	Inspector	August	2023
Broderick, Brendan	93-11994	Management Planner	August	2023
Broderick, Brendan	93-11994	Project Designer	August	2023
Broderick, Brendan	93-11994	Supervisor	August	2023
Broderick, Emily	17-36018	Air Sampling Technician	August	2023
Broderick, Emily	17-36018	Project Monitor	August	2023
Broderick, Emily	17-36018	Inspector	August	2023
Broderick, Liam	21-07886	Air Sampling Technician	December	2024
Broderick, Liam	21-07886	Project Monitor	December	2024
Broderick, Lynn	05-03861	Inspector	September	2023
Broderick, Lynn	05-03861	Supervisor	September	2024
Broderick, Lynn	05-03861	Air Sampling Technician	September	2023
Camacho Lopez, Ligia	23-6TIN9-SHAB	Air Sampling Technician	November	2024
Cando, Nathan	23-6TIBK-SHAB	Project Monitor	October	2024
Cando, Nathan	23-6TIBK-SHAB	Air Sampling Technician	October	2024
Carbajal, Andy	23-6TIRY-SHAB	Project Monitor	October	2024
Carbajal, Andy	23-6TIRY-SHAB	Air Sampling Technician	October	2024
Castillo, Gabriella	23-6TIG4-SHAB	Air Sampling Technician	May	2024
Castillo, Gabriella	21-08349	Project Monitor	May	2024

NAME	CERTIFICATION NUMBER	ASBESTOS CERTIFICATIONS	EXPIRATION MONTH	EXPIRATION YEAR
Chen, Zeyu	23-6TLQ9-SHAB	Air Sampling Technician	December	2024
Cohen, Mitchel	22-09108	Air Sampling Technician	November	2023
Conway, Grace	22-08805	Project Monitor	January	2024
Conway, Grace	22-08805	Air Sampling Technician	January	2024
Corcoran, Daniel	23-6TLQ4-SHAB	Air Sampling Technician	February	2024
Cordova, Nelson	23-6TIGN-SHAB	Air Sampling Technician	January	2024
Cortes, Reyes	23-6TIF6-SHAB	Air Sampling Technician	March	2024
Coulter, Luke	21-08344	Inspector	August	2023
Coulter, Luke	21-08344	Project Monitor	August	2024
Coulter, Luke	21-08344	Air Sampling Technician	August	2024
Crossley, Quinlan	22-08472	Air Sampling Technician	January	2024
Crossley, Quinlan	22-08472	Project Monitor	January	2024
Crossley, Quinlan	22-08472	Inspector	January	2024
Crowe, Savannah	20-07333	Air Sampling Technician	February	2024
Crowe, Savannah	20-07333	Project Monitor	February	2024
Crowe, Savannah	20-07333	Inspector	February	2024
Dateno, Cody	22-09084	Air Sampling Technician	October	2023
Dawan, Maruf	23-6TIGR-SHAB	Air Sampling Technician	February	2024
Dolce, Joseph	23-6TIRH-SHAB	Project Monitor	April	2024
Dolce, Joseph	23-6TIRH-SHAB	Air Sampling Technician	April	2024
Eid, Ryan	04-07665	Inspector	October	2023
Eid, Ryan	04-07665	Management Planner	October	2023
Ezelius, Bryan	07-11505	Air Sampling Technician	August	2023
Ezelius, Bryan	07-11505	Project Monitor	August	2023
Ezelius, Bryan	07-11505	Project Designer	August	2024
Ezelius, Bryan	07-11505	Inspector	August	2023
Ezelius, Bryan	07-11505	Management Planner	August	2023
Fazio, Paul	23-6TI8R-SHAB	Air Sampling Technician	September	2024
Fazio, Paul	23-6TI8R-SHAB	Project Monitor	September	2024
Fazio, Paul	02-16230	Inspector	September	2023
Fazio, Paul	02-16230	Management Planner	September	2023
Fazio, Paul	02-16230	Project Designer	September	2024
Filagrossi, Isabella	23-6TIFA-SHAB	Air Sampling Technician	April	2024
Gonzalez, Juan	07-09637	Inspector	September	2023
Gonzalez, Juan	07-09637	Air Sampling Technician	September	2023
Gonzalez, Juan	07-09637	Project Monitor	September	2023
Greve, George	13-02944	Inspector	November	2023
Greve, George	13-02944	Management Planner	November	2023
Grlc, Thomas	23-6TIGL-SHAB	Project Monitor	October	2024
Grlc, Thomas	23-6TIGL-SHAB	Air Sampling Technician	October	2024
Gutierrez, Aaron	21-07934	Air Sampling Technician	October	2023
Gutierrez, Aaron	21-07934	Project Monitor	October	2023
Gwynn, Meghan	12-12633	Air Sampling Technician	April	2024
Gwynn, Meghan	12-12633	Project Monitor	April	2024
Gwynn, Meghan	12-12633	Inspector	April	2024
Gwynn, Meghan	12-12633	Management Planner	April	2024
Hammond, Lily	23-6TIDL-SHAB	Project Monitor	September	2024
Hammond, Lily	23-6TIDL-SHAB	Air Sampling Technician	September	2024
Heckstall, Stavon	23-6TIGX-SHAB	Air Sampling Technician	July	2024
Heckstall, Stavon	16-14539	Project Monitor	July	2024
Hennis, Justin	932801	Air Sampling Technician	January	2024
Hillebrand, Thomas	23-6TUGL-SHAB	Air Sampling Technician	May	2024
Hontoria, Nikolas	23-6TIYS-SHAB	Air Sampling Technician	September	2024

NAME	CERTIFICATION NUMBER	ASBESTOS CERTIFICATIONS	EXPIRATION MONTH	EXPIRATION YEAR
James, Aidan	23-6TIBQ-SHAB	Air Sampling Technician	July	2024
JCB COMPANY LICENSE	29731	JCB COMPANY LICENSE	May	2024
Kahn, Faizan Ahmed	DOH911927	Air Sampling Technician	December	2024
Khan, Muhammad	23-6TIBE-SHAB	Project Monitor	July	2024
Khan, Muhammad	23-6TIBE-SHAB	Air Sampling Technician	July	2024
Khan, Usman	23-6TIGI-SHAB	Project Monitor	December	2024
Khan, Usman	23-6TIGI-SHAB	Air Sampling Technician	December	2024
Kohli, Jaskaran	23-6TID1-SHAB	Project Monitor	November	2024
Kohli, Jaskaran	23-6TID1-SHAB	Air Sampling Technician	November	2024
Lasugas, Renz	23-6TUJY-SHAB	Air Sampling Technician	November	2024
Lee, Man Jung	22-07772	Air Sampling Technician	November	2023
Lehner, Dakota	23-6TINE-SHAB	Project Monitor	April	2024
Lehner, Dakota	23-6TINE-SHAB	Air Sampling Technician	April	2024
Loccisano, Matthew	23-6TIGY-SHAB	Air Sampling Technician	July	2024
Lombardo, Anthony	23-6TIGT-SHAB	Air Sampling Technician	June	2024
Lombardo, Anthony	23-6TIGT-SHAB	Project Monitor	June	2024
Lombardo, Anthony	23-6TIGT-SHAB	Inspector	June	2024
Lombardo, Anthony	23-6TIGT-SHAB	Management Planner	June	2024
Love, Finn	23-6TIB4-SHAB	Air Sampling Technician	December	2024
Manzella, Robert	06-09334	Project Designer	March	2024
Manzella, Robert	06-09334	Air Sampling Technician	March	2024
Manzella, Robert	06-09334	Project Monitor	March	2024
Manzella, Robert	06-09334	Inspector	March	2024
Manzella, Robert	14-7658	Investigator	March	2024
Martin, Matthew	13-11255	Air Sampling Technician	May	2024
Martin, Matthew	13-11255	Project Monitor	May	2024
Martin, Matthew	13-11255	Inspector	May	2024
Mayr, Ryan	21-08358	Air Sampling Technician	February	2024
Mayr, Ryan	21-08358	Inspector	February	2024
Mbome, Prince	23-6TIBV-SHAB	Air Sampling Technician	August	2024
McGuire, Edward	03-11174	Air Sampling Technician	September	2024
McGuire, Edward	03-11174	Inspector	September	2023
McGuire, Edward	03-11174	Project Designer	September	2024
McGuire, Edward	03-11174	Management Planner	September	2023
McGuire, Edward	03-11174	Project Monitor	September	2024
McLaughlin, Eileen	23-6TIFR-SHAB	Air Sampling Technician	April	2024
McNamee, Aileen	18-53973	Air Sampling Technician	August	2023
McNamee, Aileen	18-53973	Project Monitor	August	2023
McNamee, Aileen	18-53973	Inspector	August	2024
McWilliams, Sean	23-6TIBQ-SHAB	Air Sampling Technician	February	2025
Miglino, Jordan	23-6TIK9-SHAB	Air Sampling Technician	May	2024
Miller, Molly	23-6TLXB-SHAB	Air Sampling Technician	January	2025
Millinis, Robert	08-10206	Air Sampling Technician	June	2024
Millinis, Robert	08-10206	Inspector	June	2024
Millinis, Robert	08-10206	Project Monitor	June	2024
Multani, Rohit	23-6TINC-SHAB	Project Monitor	May	2024
Multani, Rohit	23-6TINC-SHAB	Air Sampling Technician	May	2024
Morales, Shaina	929997	Air Sampling Technician	March	2024
Mrozek, Jacek	94-18310	Inspector	May	2024
Mrozek, Jacek	94-18310	Air Sampling Technician	May	2024
Mrozek, Jacek	94-18310	Project Monitor	May	2024
Mubasher, Annosha	23-6TIR6-SHAB	Project Monitor	May	2024
Mubasher, Annosha	23-6TIR6-SHAB	Air Sampling Technician	May	2024

NAME	CERTIFICATION NUMBER	ASBESTOS CERTIFICATIONS	EXPIRATION MONTH	EXPIRATION YEAR
Mueller, Joseph	21-07887	Air Sampling Technician	October	2023
Mueller, Joseph	21-07887	Project Monitor	October	2023
Nadeau, Colton	932824	Project Monitor	July	2024
Nadeau, Colton	932824	Air Sampling Technician	July	2024
Orlassino, Alexandria	20-07332	Air Sampling Technician	December	2023
Orlassino, Alexandria	20-07332	Project Monitor	December	2023
Orlassino, Alexandria	20-07332	Inspector	December	2023
Ostroff, Evan	22-07774	Air Sampling Technician	April	2024
Ostroff, Evan	22-07774	Project Monitor	April	2024
Ostroff, Evan	22-07774	Air Sampling Technician	April	2024
Patel, Kunal	23-6TIER-SHAB	Air Sampling Technician	June	2024
Patel, Kunal	23-6TIER-SHAB	Project Monitor	June	2024
Patel, Kunal	18-53552	Inspector	June	2024
Peet, Justin	15-06656	Air Sampling Technician	April	2024
Peet, Justin	15-06656	Inspector	April	2024
Peet, Justin	15-06656	Project Monitor	April	2024
Pettam, Dileep	929998	Air Sampling Technician	May	2024
Piotrowski, Krzysztof	10-16621	Air Sampling Technician	January	2024
Piotrowski, Krzysztof	10-16621	Project Monitor	January	2024
Piotrowski, Krzysztof	10-16621	Inspector	January	2024
Quick, Kamari	23-6TIG7-SHAB	Project Monitor	April	2024
Quick, Kamari	23-6TIG7-SHAB	Air Sampling Technician	April	2024
Ricker, Tara	13-14302	Inspector	November	2023
Ricker, Tara	13-14302	Management Planner	November	2023
Ricker, Tara	13-14302	Air Sampling Technician	November	2023
Ricker, Tara	13-14302	Project Monitor	November	2023
Rudder, Jasmine	23-6TI8N-SHAB	Air Sampling Technician	August	2024
Saha, Ameo	23-6TIFG-SHAB	Air Sampling Technician	February	2024
Samuel, Reon	23-6TLQS-SHAB	Air Sampling Technician	December	2024
Scagluso, Frank	23-6TINA-SHAB	Air Sampling Technician	September	2024
Sessa, Albert	22-07765	Air Sampling Technician	October	2023
Shannon, John	23-6TIF9-SHAB	Air Sampling Technician	January	2024
Schultz, Stephen	23-6TLQI-SHAB	Air Sampling Technician	August	2024
Sicurelli, Anthony	23-6TLQ3-SHAB	Air Sampling Technician	August	2024
Smalls, Daniel	18-53544	Air Sampling Technician	February	2024
Smalls, Daniel	18-53544	Project Monitor	February	2024
Smalls, Daniel	18-53544	Inspector	February	2024
Smith-Irfan, Daniel	23-6TIFN-SHAB	Project Monitor	May	2024
Smith-Irfan, Daniel	23-6TIFN-SHAB	Air Sampling Technician	May	2024
Strategakos, John	23-6TLXY-SHAB	Air Sampling Technician	August	2024
Steiger, Samuel	23-6TUE5-SHAB	Air Sampling Technician	May	2024
Todzia, Erin	18-54080	Air Sampling Technician	April	2024
Todzia, Erin	18-54080	Project Monitor	April	2024
Todzia, Erin	18-54080	Inspector	April	2024
Todzia, Erin	18-32870	Management Planner	April	2024
Urban, Matthew	14-10951	Air Sampling Technician	May	2024
Urban, Matthew	14-10951	Project Monitor	May	2024
Urban, Matthew	14-10951	Inspector	May	2024
Valmond, Rudy	93-05790	Air Sampling Technician	January	2024
Valmond, Rudy	93-05790	Project Monitor	January	2024
Valmond, Rudy	93-05790	Inspector	January	2024
Villatoro, Bryan	23-6TUEL-SHAB	Air Sampling Technician	December	2024
Wally, Maxim	23-6TUKB-SHAB	Air Sampling Technician	August	2024

NAME	CERTIFICATION NUMBER	ASBESTOS CERTIFICATIONS	EXPIRATION MONTH	EXPIRATION YEAR
Weiner, Matthew	23-6T18F-SHAB	Air Sampling Technician	December	2024
Wilson, John	23-6T18Y-SHAB	Air Sampling Technician	August	2024
Wilson, John	23-6T18Y-SHAB	Project Monitor	August	2024
Wilson, John	17-32873	Inspector	August	2024
Woram, John	23-6TLQ7-SHAB	Air Sampling Technician	August	2024
Xiao, Shangkun	19-11389	Air Sampling Technician	May	2024
Xiao, Shangkun	19-11389	Project Monitor	May	2024
Xiao, Shangkun	19-11389	Inspector	May	2024
Zelaya, Kevin	23-6T18P-SHAB	Air Sampling Technician	September	2024
Zhang, Kunyue	932823	Project Monitor	June	2024
Zhang, Kunyue	932823	Air Sampling Technician	June	2024



Limited Hazardous Material Pre-Renovation Survey Report

Highland Falls-Fort Montgomery Central School District
Intermediate School (Roof)
52 Mountain Ave.
Highland Falls, N.Y. 10928

Prepared for:
Mr. Christopher Kirwan-Director of Facilities
Highland Falls-Fort Montgomery CSD
21 Morgan Road,
Highland Falls, N.Y. 10928

September 27, 2023
C&S Project # AH4.001.001



Table of Contents

Page

1.0 Introduction.....	2
2.0 Scope of Services.....	2
3.0 Records Review	2
4.0 Asbestos Survey	2
4.1 Asbestos Sampling Methodologies.....	2
4.2 Asbestos Laboratory Methodologies.....	2
4.3 Suspect Asbestos Materials Sampled	3
4.4 Asbestos Bulk Sampling Summary	3
4.5 Materials Containing Trace Asbestos.....	4
4.6 Asbestos-Containing Materials Report Notifications.....	4
4.7 Asbestos Recommendations	4
5.0 Lead-Based Paint Recommendations.....	4
6.0 PCB Caulk Inspection.....	5
7.0 Universal Waste.....	5

Appendices

Appendix A: NYSDOL Company & Personnel Licensure, NYSDOH Lab Certifications

Appendix B: Asbestos Bulk Sample Report

Appendix C: Figure 1

Appendix D Photo Log

1.0 Introduction

C&S Companies (C&S) was retained by the Highland Falls-Fort Montgomery Central School District (HFFM CSD) to complete a limited hazardous material pre-renovation survey of the Intermediate School, located at 52 Mountain Avenue, Highland Falls, New York. The survey was limited to roof materials scheduled to be impacted by the upcoming project, as identified on design development drawings prepared by BCA Architects & Engineers, dated 9/19/23.

2.0 Scope of Services

The survey was conducted for the purpose of investigating and/or sampling asbestos-containing materials (ACMs), presumed asbestos-containing materials (PACMs), lead-based paints (LBPs), polychlorinated biphenyls (PCBs) in caulk, and suspect “universal” items that may potentially contain hazardous waste. Sections A, F, G and J were excluded from this sampling event.

3.0 Records Review

The HFFM CSD provided access to the US Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) report in preparation for the project. No information was included regarding the roofing system or previous abatement activities associated with the roofing system. J.C. Broderick & Associates, Inc. prepared a Summary of Environmental Sampling Report, dated September 7, 2023, all of the sampling was associated with interior building materials that were impacted by recent water damage.

4.0 Asbestos Survey

C&S Companies’ New York State Department of Labor (NYS DOL) Certified Asbestos Building Inspectors Randy Arnold and Bridget Ruane conducted the survey for suspect ACMs and presumed asbestos-containing materials (PACMs). A total of eighteen (18) samples were collected. The investigation included the collection, identification, assessment, plotting location and quantification of all identified ACMs and PACMs within the renovation area.

4.1 Asbestos Sampling Methodologies

Suspect building materials were investigated/sampled. Samples of homogenous areas/materials were submitted in a series (A, B, C) for analysis, laboratory results are reported as percent (%) by weight and type of asbestos present. Friable and non-friable bulk samples were analyzed for asbestos content in accordance with the following regulations:

- ◆ National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- ◆ New York State Department of Labor Industrial Code Rule 56 (ICR-56)
- ◆ Occupational and Health Administration (OSHA) Regulation 29 CFR 1910.1001 and 29 CFR 1926.1101.

4.2 Asbestos Laboratory Methodologies

Suspect building material samples were sent to AmeriSci New York, (an accredited and licensed laboratory), analysis was conducted in accordance with New York State Department of Health (NYSDOH) Environmental Laboratory Program (ELAP) and National Voluntary Laboratory Accreditation Program (NVLAP). Analysis was conducted with following methodologies:

- ◆ Polarized Light Microscopy (PLM) and Dispersion Staining Techniques (198.1 methodology)
- ◆ Non-Friable Organically Bound (NOB) (198.6 and 198.4 methodology)

4.3 Suspect Asbestos Materials Sampled

The following table includes sample identification, material description, sample location and laboratory results for the material. ACMs are identified in bold font.

Table 1: Asbestos Bulk Sample Summary

SAMPLE IDENTIFICATION	MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
LS-001A,B	Black Lap Sealant	Roof C	NAD
ISB-002A,B	Brown Insulation Board Paper	Roof B-Field Core	NAD
GYP-003A,B	Gypsum Deck	Roof C-Field Core	NAD
SEAL-004A,B	Gray Sealant @ Metal Coping	Roof B	NAD
FC-005A,B	Black Wall Flashing/Tar	Roof B	2.7% Chrysotile
MORTAR-006A,B	Gray Brick Mortar	Roof C-Field Core	NAD
IP-007A,B	Brown Insulation Board Paper	Roof C-Field Core	NAD
GYP-008A,B	Gypsum Deck	Roof C-Field Core	NAD
ISOP-009A,B	Black Paper Backing @ Insulation Board	Roof H-Field Core	NAD

Table Notes

NAD = No Asbestos Detected

TRACE = Less Than 1% Asbestos

4.4 Asbestos Bulk Sampling Summary

The following table summarizes ACMS, as identified by laboratory analysis during the pre-renovation survey. Asbestos laboratory report and chain of custodies are included in Appendix B of this report.

Table 2: Asbestos-Containing Materials

ACM DESCRIPTION	ACM LOCATION	ESTIMATED QUANTITY	MATERIAL CONDITION
Black Wall Flashing/Tar (under EPDM)	Roof Sections (B,C, D,E, H & I)	3,142 SF	NF, Intact

Table Notes:

LF= Lineal Feet, SF = Square Feet
 F= Friable, NF= Non-Friable

4.5 Materials Containing Trace Asbestos

It should be noted that the Occupational Safety & Health Administration (OSHA) Asbestos Standard (29 CFR 1926.1101) has a definition for both "asbestos" and "asbestos-containing material." Under OSHA Asbestos Standard, the definition of asbestos covers all building materials containing any detectable concentration of asbestos, including those with concentrations less than or equal to one percent asbestos. Although work operations conducted in areas where a material contains less than or equal to one percent asbestos is an "unclassified" operation, the employer still must follow the requirements of 29 CFR 1926.1101(g)(1) [except (g)(1)(i)], (g)(2) and (g)(3) that describe engineering and work practice controls operations to prevent unnecessary asbestos exposures to their employees (i.e. worker protection regulations).

4.6 Asbestos-Containing Materials Report Notifications

- ◆ The completed asbestos survey shall be submitted to the appropriate Asbestos Control Bureau District office (as per Subpart 56-11.5).
- ◆ One copy of the completed ACM survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for demolition, renovation, remodeling or repair work under applicable State or local laws.
- ◆ The completed asbestos survey shall be kept at the construction site throughout the duration of the demolition, renovation, remodeling or repair work.

4.7 Asbestos Recommendations

Building materials, not specifically identified in this report, which are identified during the project shall be "presumed" asbestos-containing materials and handled accordingly. These materials must be examined by a New York State Department of Labor Certified Asbestos Building Inspector, collection of samples and analysis must be performed. In accordance with both state and federal regulations, ACMs and PACMs must be handled and disposed of by a licensed NYSDOL asbestos abatement contractor prior to any renovation or demolition-related activities.

5.0 Lead-Based Paint Recommendations

All suspect paint applications shall be presumed LBP in accordance with Occupational Safety & Health Administration (OSHA) 29 CFR Part 1926.62, Lead in Construction Standard. Any contractor disturbing LBP or lead containing materials (less than 0.5% lead by weight) (LCMs) shall comply with all requirements of 29 CFR



Part 1926.62. The intent is for the Contractor to protect their workers and other building occupants from unnecessary exposures to lead.

6.0 PCB Caulk Inspection

During the pre-renovation survey, C&S Companies industrial hygiene technicians, Randy Arnold and Bridget Ruane inspected the proposed renovation area for suspect caulking applications. No suspect caulk/sealant applications associated with the proposed renovation area.

7.0 Universal Waste

During the pre-renovation survey, C&S Companies industrial hygiene technicians, Randy Arnold and Bridget Ruane performed a visual assessment of the proposed renovation area for suspect items that may potentially be classified as universal waste, such as (fluorescent lamps, thermostats, batteries, cleaning chemicals, etc.). C&S did not identify any suspect items within the proposed renovation area based on the current scope of work.

This report was produced exclusively for the Highland Falls-Fort Montgomery Central School District. No other party is entitled to distribute or use this report without prior written consent of HFFM CSD or C&S Companies.

Sincerely,

Randy Arnold
Sr. Project Environmental Scientist
C&S Companies

Bridget Ruane
Project Environmental Scientist
C&S Companies



Appendix A

NYS DOL Company License, Personnel Certifications & Lab
Certifications

WE ARE YOUR DOL



DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

C & S Engineers, Inc.
499 Col. Eileen Collins Blvd., Syracuse, NY, 13212

License Number: 29004
License Class: RESTRICTED
Date of Issue: 01/24/2023
Expiration Date: 01/31/2024

Duly Authorized Representative: Aileen Maguire Meyer

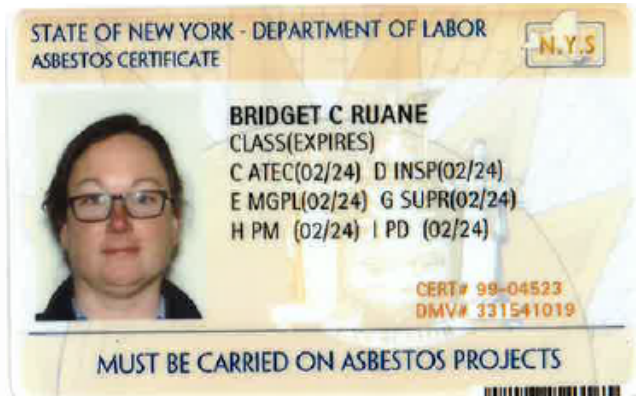
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

ASBESTOS CERTIFICATION





Department of Health

KATHY HOCHUL
Governor

JAMES V. McDONALD, M.D., M.P.H.
Acting Commissioner

MEGAN E. BALDWIN
Acting Executive Deputy Commissioner

LAB ID: 11480

March 30, 2023

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

Certificate Expiration Date:
April 01, 2024

Dear Ms. Lu,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Amy J. Steuerwald, Ph.D.
Director, Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016*

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual



Serial No.: 66402

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

*MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016*

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos	40 CFR 763 APX A No. III YAMATE, AGARWAL GIBB NIOSH 7402
Fibers	NIOSH 7400 A RULES



Serial No.: 66403

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.



Appendix B

Asbestos Bulk Sample Laboratory Report

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD - Intermediate Sch.; 52 Mountain Ave., Highland, N.Y. - Roof

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	LS-001A	001	0.259	28.4	70.1	1.5	NAD	NAD
	Location: Section 2 - Black Lap Sealant (Black)							
02	LS-001B	001	0.296	28.6	68.4	3.1	NAD	NAD
	Location: Section 2 - Black Lap Sealant (Black)							
03	ISB-002A	002	0.074	92.0	2.2	5.8	NAD	NAD
	Location: Section 1 - Core (N) / Section 2 - Insulation Board Paper (Brown)							
04	ISB-002B	002	0.144	89.4	0.9	9.7	NAD	NAD
	Location: Section 1 - Core (N) / Section 2 - Insulation Board Paper (Brown)							
05	GYP-003A	003	----	----	----	----	NAD	NA
	Location: Section 1 - Core (N) / Section 2 - Gypsum Deck (White)							
06	GYP-003B	003	----	----	----	----	NAD	NA
	Location: Section 1 - Core (N) / Section 2 - Gypsum Deck (White)							
07	SEAL-004A	004	0.153	59.2	20.6	20.2	NAD	NAD
	Location: Section 1 - (W) - Gray Sealant @ Metal Coping							
08	SEAL-004B	004	0.151	58.2	23.1	18.7	NAD	NAD
	Location: Section 1 - (W) - Gray Sealant @ Metal Coping							
09	FC-005A	005	0.215	42.4	4.3	50.6	Chrysotile 2.7	NA
	Location: Section 1 - (N) - Black Wall Flash / Tar / Cement							
10	FC-005B	005	0.198	44.0	1.9	54.1	NA/PS	NA
	Location: Section 1 - (N) - Black Wall Flash / Tar / Cement							
11	MORTAR-006A	006	----	----	----	----	NAD	NA
	Location: Section 2 - Chimney (SE) - Gray Brick Mortar							
12	MORTAR-006B	006	----	----	----	----	NAD	NA
	Location: Section 2 - Chimney (SE) - Gray Brick Mortar							
13	IP-007A	007	0.096	90.0	0.1	9.9	NAD	NAD
	Location: Section 2 - S/ - Insulation Board Paper (Brown)							
14	IP-007B	007	0.081	88.2	6.7	5.2	NAD	NAD
	Location: Section 2 - S/ - Insulation Board Paper (Brown)							
15	GYP-008A	008	----	----	----	----	NAD	NA
	Location: Section 3 - S/ - Gypsum Deck							
16	GYP-008B	008	----	----	----	----	NAD	NA
	Location: Section 3 - S/ - Gypsum Deck							

Client Name: C&S Engineers, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

AH4.001.001; Highland Falls-Fort Montgomery CSD - Intermediate Sch.; 52 Mountain Ave., Highland, N.Y. - Roof

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	ISOP-009A	009	0.055	89.7	2.7	7.6	NAD	NAD
Location: Section 4 - Core - Black Paper Backing @ ISO								
18	ISOP-009B	009	0.133	88.1	2.8	9.2	NAD	NAD
Location: Section 4 - Core - Black Paper Backing @ ISO								

Analyzed by: Karol H. Lu
 Date: 9/26/2023



Reviewed by: Karol H. Lu



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H600-Noran 7 System, Microscope, Serial #: 600-27-6. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

**AmeriSci New York**117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114**PLM Bulk Asbestos Report**C&S Engineers, Inc.
Attn: Randy Arnold
499 Col. Eileen Collins Blvd.

Syracuse, NY 13212Date Received 09/23/23 AmeriSci Job # 223092686
Date Examined 09/26/23 P.O. #
ELAP # 11480 Page 1 of 4
RE: AH4.001.001; Highland Falls-Fort Montgomery CSD -
Intermediate Sch.; 52 Mountain Ave., Highland, N.Y. - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LS-001A 001	223092686-01 Location: Section 2 - Black Lap Sealant (Black)	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.5%			
LS-001B 001	223092686-02 Location: Section 2 - Black Lap Sealant (Black)	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.1%			
ISB-002A 002	223092686-03 Location: Section 1 - Core (N) / Section 2 - Insulation Board Paper (Brown)	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass Trace, Non-fibrous 5.8%			
ISB-002B 002	223092686-04 Location: Section 1 - Core (N) / Section 2 - Insulation Board Paper (Brown)	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass Trace, Non-fibrous 9.7%			
GYP-003A 003	223092686-05 Location: Section 1 - Core (N) / Section 2 - Gypsum Deck (White)	No	NAD (by NYS ELAP 198.1) by Khaalid W. Perine on 09/26/23
Analyst Description: Off-White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose Trace, Fibrous glass 10%, Non-fibrous 90%			

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD -
Intermediate Sch.; 52 Mountain Ave., Highland, N.Y. - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GYP-003B 003	223092686-06 Location: Section 1 - Core (N) / Section 2 - Gypsum Deck (White)	No	NAD (by NYS ELAP 198.1) by Khaalid W. Perine on 09/26/23
Analyst Description: Off-White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10%, Non-fibrous 90%			
SEAL-004A 004	223092686-07 Location: Section 1 - (W) - Gray Sealant @ Metal Coping	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Beige/Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.2%			
SEAL-004B 004	223092686-08 Location: Section 1 - (W) - Gray Sealant @ Metal Coping	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Beige/Gray, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 18.7%			
FC-005A 005	223092686-09 Location: Section 1 - (N) - Black Wall Flash / Tar / Cement	Yes	2.7% ¹ (ELAP 400 PC) by Khaalid W. Perine on 09/26/23
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.7 %			
Other Material: Non-fibrous 50.6%			
FC-005B 005	223092686-10 Location: Section 1 - (N) - Black Wall Flash / Tar / Cement		NA/PS
Analyst Description: Bulk Material			
Asbestos Types:			
Other Material:			
MORTAR-006A 006	223092686-11 Location: Section 2 - Chimney (SE) - Gray Brick Mortar	No	NAD (by NYS ELAP 198.1) by Khaalid W. Perine on 09/26/23
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD -
Intermediate Sch.; 52 Mountain Ave., Highland, N.Y. - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
MORTAR-006B 006	223092686-12 Location: Section 2 - Chimney (SE) - Gray Brick Mortar	No	NAD (by NYS ELAP 198.1) by Khaalid W. Perine on 09/26/23
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
IP-007A 007	223092686-13 Location: Section 2 - S/ - Insulation Board Paper (Brown)	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass Trace, Non-fibrous 9.9%			
IP-007B 007	223092686-14 Location: Section 2 - S/ - Insulation Board Paper (Brown)	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass Trace, Non-fibrous 5.2%			
GYP-008A 008	223092686-15 Location: Section 3 - S/ - Gypsum Deck	No	NAD (by NYS ELAP 198.1) by Khaalid W. Perine on 09/26/23
Analyst Description: Off-White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10%, Non-fibrous 90%			
GYP-008B 008	223092686-16 Location: Section 3 - S/ - Gypsum Deck	No	NAD (by NYS ELAP 198.1) by Khaalid W. Perine on 09/26/23
Analyst Description: Off-White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 10%, Non-fibrous 90%			
ISOP-009A 009	223092686-17 Location: Section 4 - Core - Black Paper Backing @ ISO	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.6%			

Client Name: C&S Engineers, Inc.

PLM Bulk Asbestos Report

AH4.001.001; Highland Falls-Fort Montgomery CSD -
Intermediate Sch.; 52 Mountain Ave., Highland, N.Y. - Roof

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ISOP-009B 009	223092686-18 Location: Section 4 - Core - Black Paper Backing @ ISO	No	NAD (by NYS ELAP 198.6) by Khaalid W. Perine on 09/26/23
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 9.2%			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Khaalid W. Perine
Date: 9/26/2023



Reviewed by: Karol H. Lu



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop. (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Nikon , Model Labophot Pol, Microscope, Serial #: 952065, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

_____END OF REPORT_____


Appendix C

Figure 1



Appendix D

Photo Log

<p>Photo 1</p> 	<p>Photo 2</p> 
<p>Roof B-Field Core: Gyp Deck, Insulation, EPDM:</p>	<p>Roof B-ACM Wall Flashing/Tar under NON-ACM Insulation Board</p>
<p>Photo 3</p> 	<p>Photo 4</p> 
<p>Roof C-East Parapet Wall with ACM Flashings</p>	<p>Roof C-Field Core: Gyp Deck, Insulation Board, EPDM, all non-acm</p>
<p>Photo 5</p> 	<p>Photo 6</p> 
<p>Roof C-Chimney Wall Flashing</p>	<p>Roof C-NON-ACM Mortar and Black Lap Sealant</p>
	<p>C&S Engineers, Inc. 499 Col. Eileen Collins Blvd. Syracuse, New York 13212</p>
<p>Photographic Log HFFM CSD- Intermediate School 52 Morgan Ave. Highland Falls, N.Y.</p> <p>PR# AH4.001.001 Date: 9/28/23 Limited Hazardous Material Pre-Renovation Survey</p>	

<p>Photo 7</p> 	<p>Photo 8</p> 
<p>Roof C-Field Core, No ACM identified</p>	<p>Roof C-West Parapet Walls-NON-ACM Gray Sealant on Metal Coping</p>
<p>Photo 9</p> 	<p>Photo 10</p> 
<p>Roof H-Field Core: Metal Deck, Insulation Board, & EPDM, all NON-ACM</p>	<p>Roof E-ACM Wall Flashings identified</p>
<p>Photo 11</p> 	<p>Photo 12</p> 
<p>Roof H-ACM Wall Flashings Identified</p>	<p>Roof H-ACM Wall Flashings, Roof I-Field Core (Metal Deck, Insulation Board, EPDM)</p>
	<p>C&S Engineers, Inc. 499 Col. Eileen Collins Blvd. Syracuse, New York 13212</p>
<p>Photographic Log HFFM CSD- Intermediate School 52 Morgan Ave. Highland Falls, N.Y.</p>	<p>PR# AH4.001.001 Date: 9/28/23 Limited Hazardous Material Pre-Renovation Survey</p>