



January 11, 2024

Mr. Richard Alcorn
Executive Director
Pioneer Valley Chinese Immersion Charter School
317 Russell St
Hadley, MA 01035

RE: Pre-renovation Asbestos and Lead-based Paint Survey and Initial Mold Evaluation
300 Venture Way
Hadley, MA 01035

Dear Mr. Alcorn:

Pursuant to your request, Green Environmental Consulting, Inc (GEC) performed a pre-renovation asbestos and lead-based paint (LBP) survey and an initial mold evaluation at the above-referenced location.

The purpose of the project was to identify asbestos, lead, and mold concerns in accessible portions of the building prior to a planned renovation of the property.

Fieldwork associated with the project was performed on December 11, 12, 15, and 22, 2023, by:

- Massachusetts-licensed Asbestos Inspector, David Abad (License #AI071927); and/or
- Certified Microbial Consultant (CMC) and Certified Indoor Environmental Consultant (CIEC) , Adam Lesko (License #AI073071); and/or
- GEC field technician, Drew Ouimette.

Building Description

The two-story, slab-on grade, office building generally consists of a combination of hard-walled and cubicle offices areas, conference rooms, bathrooms, kitchen/break rooms, closets, loading dock/storage bays and mechanical rooms.

Interior finish materials include: linoleum sheet flooring, floor tiles, carpeting, ceiling tiles, and sheetrock/joint compound walls and ceiling systems.

Exterior finish materials include: painted stucco and concrete panel sidings. Roofs were not part of this survey.

Pre-renovation Asbestos Survey

A total of 39 samples of suspect ACMs were collected and submitted to an accredited laboratory for analysis using Polarized Light Microscopy (EPA 600/R-93/116). Materials determined to contain one percent or greater asbestos are considered to be ACMs.

ACMs were not identified during GEC's survey. The materials listed in Table 1 were sampled and determined by lab analysis not to contain asbestos.

Table 1, Non-asbestos Materials		
Material	Location	Sample Number(s)
Sheetrock	First and second floor	04100-01A, -01B, and -01C
Joint compound	First and second floor	04100-02A through -02E
2' x 2' Rough ceiling tile	First and second floor	04100-03A and -03B
4" Blue straight cove base mastic	First and second floor	04100-04A
4" Light brown cove base mastic	ST2-1, Room 229, Room 280, Room 108, Room 112, Room 117, Room 132, Room 141, Room 142, Room 143, Room 147, Room 152A/B/C, Room 163, Room 164	04100-05A and -05B
Green/brown carpet mastic	First and second floor	04100-06A and -06B
Blue/green/brown carpet mastic	First and second floor	04100-07A
Tan with blue specks stair tread/flooring mastic	ST2-1, Center Stairs, Stairs 2-2	04100-08A
4" Blue curved cove base mastic	First and second floor	04100-09A
Ceramic tile grout	First and second floor bathrooms and kitchens	04100-10A
12" Tan with black spots floor tile and associated mastic	Room 229, Room 280, Room 112, Room 132	04100-11A, -11B, -12A and -12B
12" Gray with black spots floor tile and associated mastic	Room 229	04100-14A-Floor Tile and -14A-Mastic
Sink undercoating (gray)	Room 248, Room 229	04100-15A
Gray carpet mastic	Room 248	04100-16A
12" Tan mottled floor tile and associated mastic	Room 108, Room 141, Room 249, Room 151, Room 152A/B/C, Room 163, Room 164, Room 176, Room 177, Room 178, Room 179, Room 181, Room 182, Room 183, Room 184, Room 185, Room 189, Room 190, Room 191, Room 192, Room 193, Room 195, Room 181 Hall, Room 165 Hall, Room 177 Hall, Room 152A Bath Hall, Room 18 Hall	04100-17A, -17B, -18A and -18B
Black carpet mastic	Room 101, Room 102, Room 103	04100-19A-Mastic and -19A-Leveler
18" Tan with brown specks floor tile and associated mastic	Room 146 (Kitchen)	04100-20A and -21A
Tan stucco siding	Exterior	04100-22A and -22B
Exterior textured siding paint	Exterior (back storage/archives section of building)	04100-23A and -23B

Refer to **Attachment 1** for the laboratory report and chain-of-custody records for samples collected. Asbestos bulk samples were collected in a statistically random manner, per EPA guidelines.

Pre-renovation Lead-based Paint Survey

A pre-renovation LBP survey was performed by Mr. Abad and Mr. Ouimette utilizing a Thermo Scientific Niton XL3t 600 XRF Analyzer on December 22, 2023. The instrument was calibrated prior to and following testing according to the instrument manufacturer's protocol.

LBP is defined by the Department of Housing and Urban Development (HUD) standards (24 CFR Part 35) and the United States Environmental Protection Agency's (USEPA's) Toxic Substances Control Act (TSCA) as any paint surface coating that contains lead equal to or exceeding 1.0 milligram per square centimeter (1.0 mg/cm²) or 0.5 percent by weight.

The Occupational Safety and Health Administration (OSHA) requires that employers utilize proper procedures to limit potential employee exposures during activities that disturb paint containing any amount of lead (i.e., >0.0 mg/cm²). The OSHA Lead in Construction Standard (29 CFR 1926.62) considers any level of lead (i.e., >0.0 mg/cm²) to be potentially harmful to workers when disturbed during construction related activities. Specific work practices and worker protection are required based on the nature of the disturbance.

Table 2 summarizes the results of the XRF readings. Bold text indicates the XRF result was greater than or equal to 1.0 milligram per square centimeter (mg/cm²).

Table 2, Summary of XRF Reading Data				
Location	Color	Substrate	Component	XRF Result (mg/cm ²)
Room 202	Tan	Sheetrock	Wall	0.0
Room 202	White	Metal	Ceiling grid	0.0
Room 202	White	Fibrous	Ceiling tile	0.0
Room 205	White	Metal	Ceiling grid	0.0
Room 205	White	Fibrous	Ceiling tile	0.0
Room 205	Tan	Sheetrock	Wall	0.0
Room 209	Blue	Metal	Door frame	0.0
Room 209	White	Fibrous	Ceiling tile	0.0
Room 209	White	Metal	Ceiling grid	0.0
Room 209	Stain	Wood	Door	0.0
Room 204	White	Metal	Ceiling grid	0.0
Room 204	White	Fibrous	Ceiling tile	0.0
Room 204	Tan	Sheetrock	Wall	0.0
Room 204	Black	Metal	Window Frame	0.0
Room 204	Stain	Wood	Window sill	0.0
St-2-1 (Stairs)	White	Sheetrock	Ceiling	0.0
St-2-1 (Stairs)	Tan	Sheetrock	Wall	0.0
St-2-1 (Stairs)	Brown	Sheetrock	Wall	0.0

Table 2, Summary of XRF Reading Data				
Location	Color	Substrate	Component	XRF Result (mg/cm ²)
St-2-1 (Stairs)	Blue	Metal	Hand rail	0.0
St-2-1 (Stairs)	Blue	Metal	Stair baseboard	0.0
St-2-1 (Stairs)	Blue	Metal	Stair top rail	0.0
St-2-1 (Stairs)	Blue	Metal	Balluster	0.0
St-2-1 (Stairs)	White	Metal	Fire hose box	0.0
St-2-1 (Stairs)	Blue	Metal	Door	0.0
St-2-1 (Stairs)	Blue	Metal	Door frame	0.0
St-2-1 (Stairs)	White	Metal	Light cover	0.0
Room 231	White	Metal	Ceiling grid	0.0
Room 231	White	Fibrous	Ceiling tile	0.0
Room 231	Tan	Sheetrock	Wall	0.0
Room 231	Stain	Wood	Door	0.2
Room 231	Black	Metal	Window frame	0.1
Room 231	Stain	Wood	Window sill	0.3
Room 229 (Kitchen)	White	Metal	Ceiling grid	0.0
Room 229 (Kitchen)	White	Fibrous	Ceiling tile	0.1
Room 229 (Kitchen)	Blue	Metal	Window Frame	0.0
Room 229 (Kitchen)	Tan	Sheetrock	Wall	0.0
Room 229 (Kitchen)	Brown	Sheetrock	Wall	0.0
Room 229 (Kitchen)	White	Wood	Upper cabinet	0.0
Room 229 (Kitchen)	White	Wood	Lower cabinet	0.0
Room 257	White	Metal	Ceiling grid	0.0
Room 257	White	Fibrous	Ceiling tile	0.0
Room 257	Blue	Metal	Door frame	0.0
Room 257	Stain	Wood	Door	0.0
Room 257	Tan	Sheetrock	Wall	0.0
Room 250	Purple	Sheetrock	Wall	0.0
Room 250	White	Sheetrock	Wall	0.0
Room 250	Blue	Metal	Door frame	0.0
Room 280	Tan	Sheetrock	Wall	0.0
Room 280	White	Wood	Cabinets	0.0
Room 280	Brown	Sheetrock	Wall	0.0
Middle Stairs	Tan	Sheetrock	Wall	0.0
Middle Stairs	Stain	Wood	Hand rail	0.0

Table 2, Summary of XRF Reading Data				
Location	Color	Substrate	Component	XRF Result (mg/cm ²)
Middle Stairs	Blue	Metal	Baseboard	0.0
Middle Stairs	Stain	Wood	Top rail	0.0
Middle Stairs	Blue	Metal	Balluster	0.0
Middle Stairs	Brown	Sheetrock	Wall	0.0
Loading Dock	Tan	Sheetrock	Wall	0.0
Loading Dock	Blue	Metal	Door	0.0
Loading Dock	Blue	Metal	Door frame	0.0
Loading Dock	Blue	Metal	Overhead door	0.0
Loading Dock	Blue	Metal	Overhead door frame	0.0
Loading Dock	Yellow	Concrete	Safety post	0.0
Loading Dock	White	Metal	Overhead door	0.0
Loading Dock	White	Metal	Ceiling Trusses	0.0
Loading Dock	White	Metal	Corrugated decking	0.0
Loading Dock	Yellow	Metal	Floor Bumper	0.0
Storage (Back Warehouse)	White	Block	Wall	0.0
Storage (Back Warehouse)	Blue	Metal	Overhead door	0.0
Storage (Back Warehouse)	Blue	Metal	Overhead door frame	0.0
Storage (Back Warehouse)	Yellow	Metal	Safety post	0.0
Storage (Back Warehouse)	Orange	Metal	Shelves	0.0
Storage (Back Warehouse)	Green	Metal	Shelf frame	0.0
Storage (Back Warehouse)	Gray	Metal	Cage wall	0.0
Main Entry Hall (115)	Tan	Sheetrock	Wall	0.0
Main Entry Hall (115)	Brown	Sheetrock	Lower wall	0.0
Main Entry Hall (115)	Stain	Wood	Chair rail	0.0
Main Entry Hall (115)	Tan	Metal	Elevator door	0.0
Main Entry Hall (115)	Stain	Wood	Baseboard	0.0
Main Entry Hall (115)	Blue	Metal	Window frame	0.0
Main Entry Hall (115)	Black	Metal	Entry door	0.0
Main Entry Hall (115)	Black	Metal	Entry door frame	0.0
Main Entry Hall (115)	Stain	Wood	Door	0.0
Main Entry Hall (115)	Blue	Metal	Door frame	0.0
Room 112 (Mail)	White	Metal	Ceiling grid	0.0
Room 112 (Mail)	White	Fibrous	Ceiling tile	0.0
Room 112 (Mail)	Tan	Sheetrock	Wall	0.0

Table 2, Summary of XRF Reading Data				
Location	Color	Substrate	Component	XRF Result (mg/cm ²)
Room 112 (Mail)	Tan	Metal	Mail bin shelves	0.0
Room 107 (Bathroom)	Tan	Sheetrock	Wall	0.0
Room 107 (Bathroom)	White	Metal	Ceiling grid	0.0
Room 107 (Bathroom)	White	Fibrous	Ceiling tile	0.0
Room 107 (Bathroom)	Stain	Wood	Door	0.0
Room 107 (Bathroom)	Blue	Metal	Door frame	0.0
Room 107 (Bathroom)	Blue/Tan	Ceramic	Floor tile	0.0
Room 107 (Bathroom)	White	Porcelain	Sink	0.0
Room 181	Blue	Sheetrock	Wall	0.0
Room 181	Blue	Metal	Door frame	0.0
Room 181	Stain	Wood	Door	0.0
Room 179 (Kitchen)	Blue	Sheetrock	Wall	0.0
Room 179 (Kitchen)	Tan	Sheetrock	Wall	0.0
Room 179 (Kitchen)	Stain	Wood	Door	0.0
Room 179 (Kitchen)	Blue	Metal	Door frame	0.0
Room 179 (Kitchen)	White	Wood	Cabinets	0.0
Room 149	Blue	Sheetrock	Wall	0.0
Room 149	Tan	Sheetrock	Wall	0.0
Room 149	Blue	Metal	Window frame	0.0
Room 189	Tan	Sheetrock	Wall	0.0
Room 189	Blue	Sheetrock	Wall	0.0
Room 189	Black	Metal	Window frame	0.0
Room 189	Stain	Wood	Window sill	0.0
Room 189	Tan	Metal	Access wall panel	0.0
Room 189	Blue	Metal	Door frame	0.0
Room 189	Stain	Wood	Door	0.0
Room 154 (Bathroom)	Tan	Sheetrock	Wall	0.0
Room 154 (Bathroom)	Blue	Metal	Door frame	0.0
Room 154 (Bathroom)	Stain	Wood	Door	0.0
Room 154 (Bathroom)	White	Porcelain	Sink	0.0
Archives Storage	Tan	Block	Wall	0.0
Archives Storage	Blue	Metal	Overhead door	0.0
Archives Storage	Green	Metal	Shelf frame	0.0
Archives Storage	Orange	Metal	Shelf frame	0.0

Table 2, Summary of XRF Reading Data				
Location	Color	Substrate	Component	XRF Result (mg/cm ²)
Archives Storage	Gray	Metal	I-Beams	0.0
Archives Storage	Yellow	Metal	Safety post	0.0
Exterior - Back Warehouse	Tan	Cement	Wall Panels	0.0
Exterior - Back Warehouse	Rose	Stucco	Siding	0.0
Exterior - Back Warehouse	Black	Metal	Window frame	0.0
Exterior - Back Warehouse	Brown	Metal	Door	0.0
Exterior - Back Warehouse	Brown	Metal	Door frame	0.0
Exterior - Back Warehouse	Yellow	Metal	Safety post	0.0
Exterior - South Side	Black	Metal	Door	0.0
Exterior - South Side	Black	Metal	Door frame	0.0
Exterior - South Side	Tan	Stucco	Siding	0.0
Exterior - South Side	Rose	Stucco	Siding	0.0
Exterior - East Side	Tan	Stucco	Siding	0.0
Exterior - East Side	Rose	Stucco	Siding	0.0
Exterior - East Side	Gray	Metal	Overhead support columns	0.0
Exterior - East Side	Brown	Metal	Door	0.0
Exterior - Northeast Side	Red	Metal	Hand rail	0.0
Exterior - Northeast Side	Yellow	Metal	Loading dock frame	0.0
Exterior - Northeast Side	Black	Metal	Loading dock bumpers	0.0
Exterior - Northeast Side	Brown	Metal	Overhead door	0.0
Exterior - Northeast Side	Brown	Metal	Overhead door frame	0.0
Exterior - Northeast Side	Yellow	Metal	Safety post	0.0
Exterior - Northeast Side	Brown	Metal	Door	0.0
Exterior - Northeast Side	Brown	Metal	Door frame	0.0

Initial Mold Evaluation

Visual Observations

Our inspection, conducted by Mr. Adam Lesko, on December 11, 2023, focused on visually identifying potential mold growth. No sampling or laboratory analysis was performed.

A summary of GEC's key observations is provided below.

- No visible suspect mold growth or musty odors were observed in the building;
- Water-staining was observed on drywall by skylights in the 2nd floor hallway by the center stairway;

- Water stains and elevated moisture levels¹ were found on the drywall ceiling in the hallway near room 204;
- Water-stained ceiling tiles were observed in rooms 204, 228, 238, 249, and 274;
- Approximately 1 square foot of peeling paint/water damage observed on drywall at a pipe chase in the room 142 loading dock; and
- Throughout the remainder of the building, surfaces generally appeared to be clean with no visible water-staining or evidence of water damage.

Conclusions and Recommendations

Asbestos

No ACMs were identified during GEC's asbestos survey.

Any suspect ACM that is discovered during building renovation or demolition that is not included in this report should be assumed to contain asbestos until further bulk sampling and analysis is performed.

Lead-based Paint

None of the interior surface coatings were determined to have lead containing paint (i.e., concentrations equal to or greater than 1.0 mg/cm²).

Activities that disturb paint containing any amount of lead should be performed in accordance with OSHA's Lead in Construction Standard. The standard establishes minimum work requirements, engineering controls, and employee exposure standards.

OSHA does not provide a standard lead concentration for determining lead-based paint. Their approach regarding determining lead hazards is to evaluate the type of work being performed, with torch burning, abrasive blasting, and similar work that might generate the highest levels of lead dust or fume, being of most concern. However, common sense dictates that the higher the lead content in paint, the higher will be the airborne lead concentrations when paint is disturbed. Thus, particular concern and careful evaluation of work practices shall be taken by the contractor and any subcontractors who disturb painted surfaces or components where lead concentrations exceeding 1.0 milligram per square centimeter (1.0 mg/cm²) or 0.5 percent by weight.

Mold

Based on the findings described above, GEC makes the following recommendations:

- Remove and replace any water-damaged ceiling tiles in the building; and
- Identify and repair the cause of the water-damaged ceiling tiles and drywall in the areas outlined above.

With the exception of the items described above, GEC's visual observations did not suggest that fungal amplification (growth) sites are likely present in the building.

Limitations

This report is intended for the sole use of Pioneer Valley Chinese Immersion Charter School. This report is not intended to serve as a bidding document nor as a project specification. Actual site conditions and quantities should be field-verified. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users. The use or re-use of this document, the findings, conclusions, and recommendations herein is at the risk of said user.

¹ Measurements were taken using a non-destructive FLIR MR77 moisture meter.

GEC's survey did not include the following areas:

- Electrical systems and/or components were not included in GEC's survey due to the safety issues inherent with sampling such systems;
- Mechanical rooms. (No access);
- Ceramic wall tile mastics (bathrooms and kitchens); and
- Roof.

The MassDEP and the US EPA currently recognize Polarized Light Microscopy (PLM) analysis as an acceptable analytical method for determining the asbestos content in non-friable, organically bound (NOB) materials. However, comparative studies between PLM analysis and Transmission Electron Microscopy (TEM) analysis have shown that PLM analysis may yield false negative analytical results for NOBs.

GEC recommends that, prior to renovation activities, one sample from each homogeneous area of NOB materials that originally tested negative by PLM undergo confirmatory analysis by TEM, utilizing ELAP-198.4 TEM Method for Identifying and Quantifying Asbestos in NOB Bulk Samples.

Although a reasonable attempt has been made to locate suspect ACMs, LBP, and fungi (mold) in the areas identified, the inspection techniques used are inherently limited in the sense that only full demolition procedures will reveal all building materials of a structure (i.e., all areas of potential ACMs, LBP, and fungal growth). Other unidentified microbiological impact may be located within walls, ceiling cavities, below flooring or grade, and other non-accessible areas. Caution should be used during demolition activities.

This report does not warrant against future conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during GEC's inspection of the site. This report does not address potential bacterial contamination.

GEC appreciates the opportunity to work with you on this important project. If you have any questions regarding this report, please contact us at (413) 341-3418.

Sincerely,

Green Environmental Consulting, Inc
Asbestos Consulting Service License #AF61



Adam Lesko
President

Attachments:

1 Laboratory Report and Chain-of-Custody - Asbestos

Attachment 1

Laboratory Report and Chain-of-Custody - Asbestos



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042329040

Customer ID: GECL78

Customer PO:

Project ID:

Attention: Reports

Green Environmental Consulting, Inc.

180 Pleasant St

2nd Floor, Suite 213

Easthampton, MA 01027

Project: 04100 / 300 Venture Way, Hadley, MA 01035

Phone: (413) 341-3418

Fax: (413) 341-3419

Received Date: 12/16/2023 11:00 AM

Analysis Date: 12/18/2023 - 12/22/2023

Collected Date:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
04100-1A 042329040-0001	Room 202 - Sheetrock	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
04100-1B 042329040-0002	Room 279 - Sheetrock	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
04100-1C 042329040-0003	Room 186 - Sheetrock	Brown/Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
04100-2A 042329040-0004	Room 202 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-2B 042329040-0005	Room 279 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-2C 042329040-0006	Room 107 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-2D 042329040-0007	Room 142 - Loading Dock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-2E 042329040-0008	Room 186 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-3A 042329040-0009	Warehouse - 2'x2' Rough Ceiling Tile	White Fibrous Homogeneous	30% Cellulose 50% Min. Wool	20% Non-fibrous (Other)	None Detected
04100-3B 042329040-0010	Room 279 - 2'x2' Rough Ceiling Tile	Gray Fibrous Homogeneous	5% Cellulose 75% Min. Wool	20% Non-fibrous (Other)	None Detected
04100-4A 042329040-0011	Room 202 - 4: Blue Straight Cove Base Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-5A 042329040-0012	Stairs 2-1 - West - 4: Blue Straight Cove Base Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-5B 042329040-0013	Room 280 - 4" Light Brown Cove Base Mastic	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-6A 042329040-0014	Room 202 - Green/Brown Carpet Mastic	Brown/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-6B 042329040-0015	Room 228 - Green/Brown Carpet Mastic	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-7A 042329040-0016	Room 204 - Blue/Green/Brown Carpet Mastic	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 12/22/2023 18:41:28



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

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EMSL Order: 042329040

Customer ID: GECL78

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04100-8A 042329040-0017	Stairs 2-1 - West - Tan w/Blue Specks Stair Tread / Flooring Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-9A 042329040-0018	Stairs 2-1 - West - 4" Blue Curved Cove Base Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-10A 042329040-0019	Room 225 - Bathroom - Ceramic Tile Grout	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-11A 042329040-0020	Room 229 - 12" Tan w/Black Spots Floor Tile	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-11B 042329040-0021	Room 280 - 12" Tan w/Black Spots Floor Tile	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-12A 042329040-0022	Room 229 - 12" Tan w/Black Spots Floor Tile Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-12B 042329040-0023	Room 280 - 12" Tan w/Black Spots Floor Tile Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-14A-Floor Tile 042329040-0024	Room 229 - 12" Gray w/Black Spots Floor Tile	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-14A-Mastic 042329040-0024A	Room 229 - 12" Gray w/Black Spots Floor Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-15A 042329040-0025	Room 248 - Sink Undercoating - Gray	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
04100-16A 042329040-0026	Room 248 - Gray Carpet Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-17A 042329040-0027	Room 249 - 12" Tan Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-17B 042329040-0028	Room 141 - 12" Tan Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-18A 042329040-0029	Room 249 - 12" Tan Mottled Floor Tile Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-18B 042329040-0030	Room 141 - 12" Tan Mottled Floor Tile Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-19A-Mastic 042329040-0031	Room 101 - Black Carpet Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-19A-Leveler 042329040-0031A	Room 101 - Black Carpet Mastic	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04100-20A 042329040-0032	Room 146 - 18" Tan w/Brown Specks Floor Tile	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 12/22/2023 18:41:28



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EMSL Order: 042329040

Customer ID: GECL78

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
04100-21A	Room 146 - 18" Tan w/Brown Specks	Gray/Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
042329040-0033	Floor Tile Mastic	Heterogeneous			
Result includes a small amount of inseparable attached material					
04100-22A	Exterior - South Side - Tan Stucco Siding	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042329040-0034					
04100-22B	Exterior - North Side - Tan Stucco Siding	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042329040-0035					
04100-23A	Exterior - North Side - Exterior Textured Siding Paint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042329040-0036					
04100-23B	Exterior - North Side - Exterior Textured Siding Paint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042329040-0037					

Analyst(s)

Alex Francois (1)

Brett Polumbo (24)

Keishla Vazquez Caraballo (1)

Sean Dyson (13)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 12/22/2023 18:41:28

042329040

Asbestos Chain of Custody
Record

Green Environmental Consulting, Inc
180 Pleasant Street-Suite 213
Easthampton, MA 01027
Phone/Fax (413)341-3418

Analysis Type:

PLM

Turnaround Time:

1-Week

Project Info:Send Results To:

Project Name: 300 Venture Way, Hadley	Results to: emsreports@gecenviro.com
Project Number: 04100	Invoice to: adam@gecenviro.com
Project Address: 300 Venture Way Hadley, MA 01035	Comments/Special Instructions:

<u>Sample Number</u>	<u>Sample Location</u>	<u>Sample Description</u>
04100-01A	Room 202	Sheetrock
04100-01B	Room 279	Sheetrock
04100-01C	Room 186	Sheetrock
04100-02A	Room 202	Joint Compound
04100-02B	Room 279	Joint Compound
04100-02C	Room 107	Joint Compound
04100-02D	Room 142 (Loading Dock)	Joint Compound
04100-02E	Room 186	Joint Compound
04100-03A	Warehouse	2' x 2' Rough Ceiling Tile
04100-03B	Room 279	2' x 2' Rough Ceiling Tile
04100-04A	Room 202	4" Blue Straight Cove Base Mastic
04100-05A	Stairs 2-1 (West)	4" Light Brown Cove Base Mastic

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Asbestos Chain of Custody Record



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Easthampton, MA 01027
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Project Address: 300 Venture Way Hadley, MA 01035	Comments/Special Instructions:

<u>Sample Number</u>	<u>Sample Location</u>	<u>Sample Description</u>
04100-05B	Room 280	4" Light Brown Cove Base Mastic
04100-06A	Room 202	Green/Brown Carpet Mastic
04100-06B	Room 228	Green/Brown Carpet Mastic
04100-07A	Room 204	Blue/Green/Brown Carpet Mastic
04100-08A	Stairs 2-1 (West)	Tan w/ Blue Specks Stair Tread/Flooring Mastic
04100-09A	Stairs 2-1 (West)	4" Blue Curved Cove Base Mastic
04100-10A	Room 225 (Bathroom)	Ceramic Tile Grout
04100-11A	Room 229	12" Tan W/ Black Spots Floor Tile
04100-11B	Room 280	12" Tan W/ Black Spots Floor Tile
04100-12A	Room 229	12" Tan W/ Black Spots Floor Tile Mastic
04100-12B	Room 280	12" Tan W/ Black Spots Floor Tile Mastic
04100-14A	Room 229	12" Gray w/ Black Spots Floor Tile

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Project Number: 04100	Invoice to: adam@gecenviro.com
Project Address: 300 Venture Way Hadley, MA 01035	Comments/Special Instructions:

<u>Sample Number</u>	<u>Sample Location</u>	<u>Sample Description</u>
04100-15A	Room 229	Sink Undercoating (Gray)
04100-16A	Room 248	Gray Carpet Mastic
04100-17A	Room 249	12" Tan Mottled Floor Tile
04100-17B	Room 141	12" Tan Mottled Floor Tile
04100-18A	Room 249	12" Tan Mottled Floor Tile Mastic
04100-18B	Room 141	12" Tan Mottled Floor Tile Mastic
04100-19A	Room 101	Black Carpet Mastic
04100-20A	Room 146	18" Tan w/ Brown Specks Floor Tile
04100-21A	Room 146	18" Tan w/ Brown Specks Floor Tile Mastic
04100-22A	Exterior - South Side	Tan Stucco Siding
04100-22B	Exterior - North Side	Tan Stucco Siding
04100-23A	Exterior - North Side	Exterior Textured Siding Paint

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Asbestos Chain of Custody
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Green Environmental Consulting, Inc
180 Pleasant Street-Suite 213
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Phone/Fax (413)341-3418

Analysis Type:

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Turnaround Time:

1 wk

Project Info:Send Results To:

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Project Number: 04100	Invoice to:
Project Address: 300 Venture Way Hadley, MA 01035	Comments/Special Instructions:

<u>Sample Number</u>	<u>Sample Location</u>	<u>Sample Description</u>
04100-23B	Exterior - North Side	Exterior Textured Siding Paint

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Sampled By: David Abad	Date: 12/15/23	Received By: [Signature] EFX	Date/Time: 12/16/23 11:00
Relinquished By: D. Abad	Date/Time: 12/15/23 15:00	Received in Lab By:	Date/Time: