

NESHAP ASBESTOS SURVEY

Performed For:

LAKE BLUFF PUBLIC LIBRARY

123 E. Scranton Avenue
Lake Bluff, IL 60044

Project Location:



LAKE BLUFF PUBLIC LIBRARY

*123 E. Scranton Avenue
Lake Bluff, IL 60044*

Inspection Date: April 15, 2024

MEC Project #: 24-04-330-INSP

**Corporate
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LAKE BLUFF PUBLIC LIBRARY
LAKE BLUFF PUBLIC LIBRARY
123 E. Scranton Avenue
Lake Bluff, IL 60044

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MEC Project #: 24-04-330-INSP

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Section 1:

Introduction:

Midwest Environmental Consulting Services, Inc. (MEC) was retained by the Lake Bluff Public Library to conduct a National Emission Standards for Hazardous Air Pollutants (NESHAP) survey for suspect asbestos-containing materials (ACM) at the Lake Bluff Library located at 123 E. Scranton Avenue, Lake Bluff, IL 60044. The asbestos inspection was performed on April 15, 2024. This comprehensive NESHAP inspection was intended to address the potential existence of ACM on the interior and exterior prior to future planned renovations.

Section 2:

Protocol:

The bulk sampling strategy is based upon the protocol of homogeneous areas established by the United States Environmental Protection Agency (USEPA). A homogeneous sampling area (HSA) is defined as an area of material that is uniform in color, texture, construction, general appearance, and date of installation.

Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) utilizing the EPA-600/M4-82-020 Method. Bulk samples were analyzed using Asbestos Hazard Emergency Response Act (AHERA) "positive stop" protocol, meaning each sample of each HSA group is analyzed until asbestos is found in the HSA or all samples in the group are analyzed and are negative for asbestos content.

Section 3:

Building Description:

The structure is a partial two-story building with a fully furnished lower level originally constructed in the 1900's. An addition built on to the east was constructed in the 1990's. The addition also is occupied by the Lake Bluff History Museum. The building contains approximately 9,500 square feet of usable space. The flooring consists of concrete and is covered by various types of vinyl tile and carpeting. Interior walls are concrete block with areas of drywall with brick outer walls. The exterior walls are constructed with face brick & siding. The roof consists of pitched asphalt shingles.

Section 4:

Scope of Work:

The inspection was to address the following objectives:

- * Observe, assess, and collect bulk samples of friable and non-friable asbestos containing building materials within the specific scope of work.
- * The inspection was intended to identify all homogeneous areas, and did not attempt to identify or address any other environmental health hazards.
- * The scope of work did not include identifying all potential concerns or eliminate possible

A total of twenty-one (21) homogeneous areas were identified within the scope of work. Of the twenty-one (21) homogeneous areas, five (5) homogeneous areas tested positive for asbestos content. Zero (0) homogeneous areas were assumed to contain asbestos.

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Asbestos-Containing Materials:

- MFA - 12"x12" Floor Tile/Mastic- Brown
- MFB - Floor Tile/Mastic - Beige w/Gray Flecks
- MDA - Drywall w/Compound & Tape (1970's)
- MFG- 12"x12" Floor Tile/Mastic- Tan Squares
- MDB - Drywall w/Compound & Tape (1990's)

Assumed Asbestos-Containing Materials:

- None

Section 5:

Executive Summary:

Standard practice requires that the owner provide Certified-As-Built drawings for review by the inspector. At the time of the inspection, these drawings were not available. Therefore, the accuracy of the inspection can only be based on the materials that were accessible or known about prior to the inspection. If a suspect material is identified during demolition, all work shall stop immediately until the materials can be sampled for asbestos content.

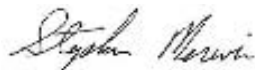
During renovation or demolition, it is recommended that a project design, project oversight, and air monitoring be in place prior to any asbestos abatement work being conducted. An Illinois Department of Public Health licensed asbestos abatement contractor must be in place prior to any asbestos abatement activities.

Prior to any planned renovation or demolition taking place, Midwest Environmental Consulting Services, Inc., strongly recommends that either the client contact Midwest Environmental Consulting Services, Inc., or the Illinois Department of Public Health or the Illinois Environmental Protection Agency in regards to applicable rules and regulations.

This survey report is for the exclusive use of the Lake Bluff Public Library and their respective affiliates, designees, successors, and assignees, and no other party shall have any right to rely on service provided by Midwest Environmental Consulting Services, Inc., without prior written consent. This asbestos survey is not intended to be a scope of work or project design. Estimated quantities of materials are for information only and should not be utilized for abatement bidding purposes.

Although Midwest Environmental Consulting Services, Inc., has attempted to identify all suspect asbestos materials located on the inside of the building; some materials may have been inaccessible. Midwest Environmental Consulting Services, Inc. makes no warranty, expressed or implied.

Sincerely,



Stephen Merwin
IDPH-Licensed Asbestos Building Inspector 100-02871

Inspection Performed For:
LAKE BLUFF PUBLIC LIBRARY
123 E. Scranton Avenue
Lake Bluff, IL 60044
MEC Project #: 24-04-330-INSP

Asbestos Bulk Sample Field Summary Table

Client: LAKE BLUFF PUBLIC LIBRARY

Project Location: LAKE BLUFF PUBLIC LIBRARY

MEC Project #: 24-04-330-INSP

Address: 123 E. Scranton Avenue
Lake Bluff, IL 60044

Address: 123 E. Scranton Avenue
Lake Bluff, IL 60044

Insp. Date: April 15, 2024

Inspector: Stephen Merwin

IDPH #: 100-02871

H S A	MATERIAL DESCRIPTION	MATERIAL LOCATION	ACM CATEGORY	TYPE OF ANALYSIS OR ASSUMED	MATERIAL CONDITION	MATERIAL TYPE	APPROX. QUANTITY	ACM YES/NO	COMMENTS
MFA	12"x12" Floor Tile/Mastic - Brown	Basement - Southwest	Category I Non-Friable	PLM	G	M	800 S.F.	Yes	N/A
MFB	12"x12" Floor Tile/Mastic - Beige w/Gray Flecks	Basement - West Storage Room	Category I Non-Friable	PLM	G	M	205 S.F.	Yes	N/A
TJA	Cementitious Pipe Fittings	Basement - 1970's Section	N/A	PLM	G	M	20 Fittings	No	N/A
MMA	HVAC Duct Sealant	Basement - Mechanical Room	N/A	PLM	G	M	100 S.F.	No	N/A
MCA	2'x4' Lay-In Ceiling Tile-Fissures & Pin Holes	1970's Section - Basement	N/A	PLM	G	M	960 S.F.	No	N/A
MFC	Floor Leveler	Basement - Fiction Area	N/A	PLM	D	M	150 S.F.	No	N/A
MMB	Stair Tread/Mastic- Gray	Stairs	N/A	PLM	D	M	120 S.F.	No	N/A
MDA	Drywall w/Compound & Tape	Scattered - Throughout	Friable	PLM	G	M	1,500 S.F.	Yes	N/A
MFD	2' x 2' Floor Tile/Mastic - Gray	Stairs	N/A	PLM	G	M	200 S.F.	No	N/A

ACM Category Classification:

Friable Asbestos-Containing Material = A friable ACM is a material containing more than 1% asbestos that can easily be crumbled, pulverized, or reduced to powder by hand pressure when it is dry.

Category I Non-Friable Asbestos-Containing Material = Any asbestos-containing packet, gasket, resilient floor covering, mastic, or asphalt roofing product that contains more than 1% asbestos.

Category II Non-Friable Asbestos-Containing Material = Any material excluding Category I Non-Friable material containing more than 1% asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure or mechanical forces expected to act on the material.

Analysis Type: PLM = Polarized Light Microscopy TEM = Transmission Electron Microscopy Assumed = Material was not tested and is assumed to contain ACM.

Condition: G = Good D = Damaged SD = Significantly Damaged

Material Type: M = Miscellaneous S = Surfacing T = Thermal

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MCB	2'x4' Lay-In Ceiling Tile - Pin Holes	1990's Addition	N/A	PLM	G	M	2,300 S.F.	No	N/A
MFE	12"x12" Floor Tile/Mastic - Multi-Colored Specks	Basement - 1990's Addition - Central Bathroom & Near Elevator	N/A	PLM	G	M	170 S.F.	No	N/A
MFF	12"x12" Floor Tile/Mastic- Blue Flecks	Basement- 1990's Addition	N/A	PLM	G	M	860 S.F.	No	N/A
MBA	Vinyl Wallbase/Mastic- Gray	1990's Building- Basement	N/A	PLM	G	M	350 S.F.	No	N/A
MFG	12"x12" Floor Tile/Mastic-Tan Squares	1st Floor- West Bathrooms	Category I - Non-Friable	PLM	G	M	140 S.F.	Yes	N/A
MFH	12"x12" Floor Tile/Mastic- Beige w/Brown Tile Accent	1990's Addition	N/A	PLM	G	M	2,300 S.F.	No	N/A
MCD	2' x 2' Lay-In Ceiling Tile- Rough	1st Floor- West Bathrooms	N/A	PLM	D	M	140 S.F.	No	N/A
MBB	Vinyl Wallbase/Mastic - Dark Brown	First Floor	N/A	PLM	G	M	150 S.F.	No	N/A

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H S A	MATERIAL DESCRIPTION	MATERIAL LOCATION	ACM CATEGORY	TYPE OF ANALYSIS OR ASSUMED	MATERIAL CONDITION	MATERIAL TYPE	APPROX. QUANTITY	ACM YES/NO	COMMENTS
MDB	Drywall w/Compound & Tape	1990's Addition	Friable	PLM	G	M	1,400 S.F.	Yes	N/A
MMC	Exterior Caulking	Exterior - South Wall - 1970's Building	N/A	PLM	SD	M	200 S.F.	No	N/A
MRA	Asphalt Roofing Shingles	Roof	N/A	PLM	G	M	6,500 S.F.	No	N/A
MCC	2'x2' Lay-In Ceiling Tile - Smooth	1st Floor- Reception Area	PLM	PLM	G	M	870 S.F.	No	N/A

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Analysis Type: PLM = Polarized Light Microscopy TEM = Transmission Electron Microscopy Assumed = Material was not tested and is assumed to contain ACM.

Condition: G = Good D = Damaged SD = Significantly Damaged

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Homogeneous Area:	MFA
Material Description:	12"x12" Floor Tile/Mastic - Brown
Material Location:	Basement - Southwest
ACM Y/N:	Yes

Comments: N/A



Homogeneous Area:	MFB
Material Description:	12"x12" Floor Tile/Mastic - Beige w/Gray Flecks
Material Location:	Basement - West Storage Room
ACM Y/N:	Yes

Comments: N/A

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Homogeneous Area:	TJA
Material Description:	Cementitious Pipe Fittings
Material Location:	Basement - 1970's Section
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MMA
Material Description:	HVAC Duct Sealant
Material Location:	Basement - Mechanical Room
ACM Y/N:	No

Comments: N/A

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Homogeneous Area:	MCA
Material Description:	2'x4' Lay-In Ceiling Tile- Fissures & Pin Holes
Material Location:	1970's Section - Basement
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MFC
Material Description:	Floor Leveler
Material Location:	Basement - Fiction Area
ACM Y/N:	No

Comments: N/A

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Homogeneous Area:	MMB
Material Description:	Stair Tread/Mastic- Gray
Material Location:	Stairs
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MDA
Material Description:	Drywall w/Compound & Tape
Material Location:	Scattered - Throughout
ACM Y/N:	Yes

Comments: N/A

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Homogeneous Area:	MFD
Material Description:	2' x 2' Floor Tile/Mastic - Gray
Material Location:	Stairs
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MCB
Material Description:	2'x4' Lay-In Ceiling Tile - Pin Holes
Material Location:	1990's Addition
ACM Y/N:	No

Comments: N/A

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Homogeneous Area:	MFE
Material Description:	12"x12" Floor Tile/Mastic - Multi-Colored Specks
Material Location:	Basement - 1990's Addition - Central Bathroom & Near Elevator
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MFF
Material Description:	12"x12" Floor Tile/Mastic- Blue Flecks
Material Location:	Basement- 1990's Addition
ACM Y/N:	No

Comments: N/A

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Homogeneous Area:	MBA
Material Description:	Vinyl Wallbase/Mastic- Gray
Material Location:	1990's Building- Basement
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MFG
Material Description:	12"x12" Floor Tile/Mastic- Tan Squares
Material Location:	1st Floor- West Bathrooms
ACM Y/N:	Yes

Comments: N/A

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Homogeneous Area:	MFH
Material Description:	12"x12" Floor Tile/Mastic- Beige w/Brown Tile Accent
Material Location:	1990's Addition
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MCD
Material Description:	2' x 2' Lay-In Ceiling Tile- Rough
Material Location:	1st Floor- West Bathrooms
ACM Y/N:	No

Comments: N/A

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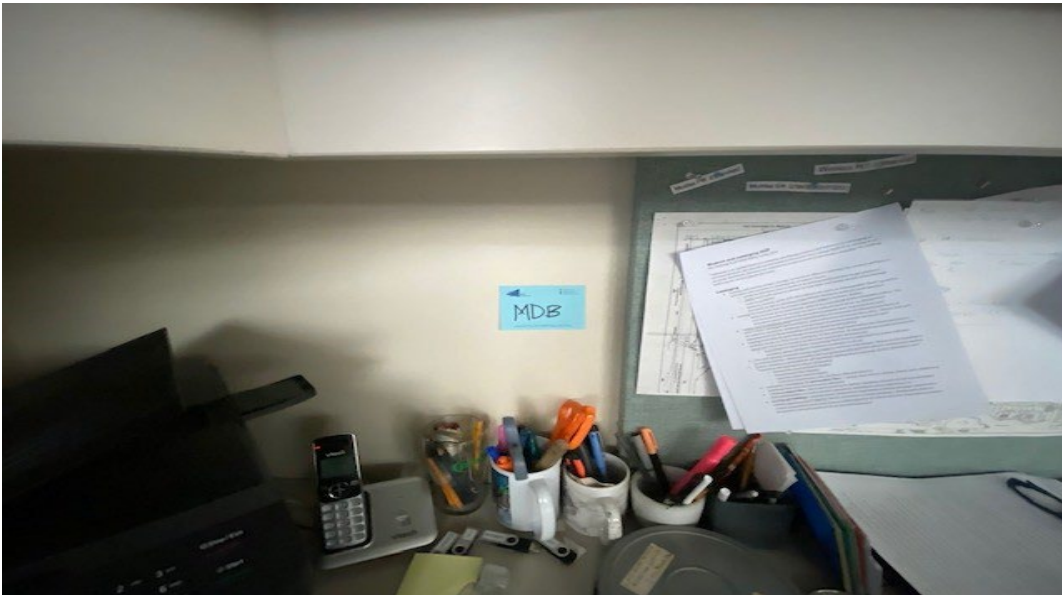
123 E. Scranton Avenue

Lake Bluff, IL 60044



Homogeneous Area:	MBB
Material Description:	Vinyl Wallbase/Mastic - Dark Brown
Material Location:	First Floor
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MDB
Material Description:	Drywall w/Compound & Tape
Material Location:	1990's Addition
ACM Y/N:	Yes

Comments: N/A

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Homogeneous Area:	MMC
Material Description:	Exterior Caulking
Material Location:	Exterior - South Wall - 1970's Building
ACM Y/N:	No

Comments: N/A



Homogeneous Area:	MRA
Material Description:	Asphalt Roofing Shingles
Material Location:	Roof
ACM Y/N:	No

Comments: N/A

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Homogeneous Area:	MCC
Material Description:	2'x2' Lay-In Ceiling Tile - Smooth
Material Location:	1st Floor- Reception Area
ACM Y/N:	No

Comments: N/A



EMSL Analytical, Inc.

4140 Litt Drive Hillside, IL 60162
Tel/Fax: (773) 313-0099 / (773) 313-0139
<http://www.EMSL.com> / chicagolab@emsl.com



EMSL Order: 262403448
Customer ID: MECO77
Customer PO:
Project ID:

Attention: Stephen Merwin
Midwest Environmental Consulting Svs.
2551 North Bridge Street
Yorkville, IL 60560

Phone: (630) 514-3758
Fax: (630) 553-3990
Received Date: 04/17/2024 8:00 AM
Analysis Date: 04/23/2024
Collected Date:

Project: 24-04-330-INSP LAKE BLUFF PUBLIC LIBRARY-123 SCRANTON AVE LAKE BLUFF IL

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
MFA-1-Floor Tile 262403448-0001	12X12 FLOOR TILE /MASTIC-BROWN	Brown/Red Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
MFA-1-Mastic 262403448-0001A	12X12 FLOOR TILE /MASTIC-BROWN	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
MFA-2 262403448-0002	12X12 FLOOR TILE /MASTIC-BROWN				Positive Stop (Not Analyzed)
MFA-3 262403448-0003	12X12 FLOOR TILE /MASTIC-BROWN				Positive Stop (Not Analyzed)
MFB-1-Floor Tile 262403448-0004	12X12 FLOR TILE/MASTIC-BEIGE W/GRAY FLECKS	Gray/Beige Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MFB-1-Mastic 262403448-0004A	12X12 FLOR TILE/MASTIC-BEIGE W/GRAY FLECKS	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
MFB-2 262403448-0005	12X12 FLOR TILE/MASTIC-BEIGE W/GRAY FLECKS				Positive Stop (Not Analyzed)
MFB-3 262403448-0006	12X12 FLOR TILE/MASTIC-BEIGE W/GRAY FLECKS				Positive Stop (Not Analyzed)
TJA-1 262403448-0007	CEMENTITIOUS PIPE FITTINGS	Gray Non-Fibrous Homogeneous	20% Min. Wool	80% Non-fibrous (Other)	None Detected
TJA-2 262403448-0008	CEMENTITIOUS PIPE FITTINGS	Gray Non-Fibrous Homogeneous	20% Min. Wool	80% Non-fibrous (Other)	None Detected
TJA-3 262403448-0009	CEMENTITIOUS PIPE FITTINGS	Gray Non-Fibrous Homogeneous	20% Min. Wool	80% Non-fibrous (Other)	None Detected
MMA-1 262403448-0010	HVAC DUCT SEALANT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMA-2 262403448-0011	HVAC DUCT SEALANT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMA-3 262403448-0012	HVAC DUCT SEALANT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MCA-1 262403448-0013	2X4 LAY-IN CEILING TILE-FISSURES &PINHOLES	Gray/White Fibrous Homogeneous	50% Cellulose 10% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
MCA-2 262403448-0014	2X4 LAY-IN CEILING TILE-FISSURES &PINHOLES	Gray/White Fibrous Homogeneous	50% Cellulose 10% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected

Initial report from: 04/23/2024 16:06:36



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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
MCA-3 262403448-0015	2X4 LAY-IN CEILING TILE-FISSURES &PINHOLES	Gray/White Fibrous Homogeneous	40% Cellulose 30% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
MFC-1-Leveler 262403448-0016	FLOOR LEVELER	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFC-1-Adhesive 262403448-0016A	FLOOR LEVELER	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFC-2-Leveler 262403448-0017	FLOOR LEVELER	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFC-2-Adhesive 262403448-0017A	FLOOR LEVELER	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFC-3-Leveler 262403448-0018	FLOOR LEVELER	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFC-3-Adhesive 262403448-0018A	FLOOR LEVELER	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-1-Stair Tread 262403448-0019	STAIRTREAD /MASTIC -GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-1-Mastic 262403448-0019A	STAIRTREAD /MASTIC -GRAY	Brown/Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
MMB-2-Stair Tread 262403448-0020	STAIRTREAD /MASTIC -GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-2-Mastic 262403448-0020A	STAIRTREAD /MASTIC -GRAY	Brown/Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
MMB-3-Stair Tread 262403448-0021	STAIRTREAD /MASTIC -GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-3-Mastic 262403448-0021A	STAIRTREAD /MASTIC -GRAY	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFD-1-Floor Tile 262403448-0022	2X2 FLOOR TILE /MASTIC -GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFD-1-Mastic 262403448-0022A	2X2 FLOOR TILE /MASTIC -GRAY	Gray/Beige Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
MFD-2-Floor Tile 262403448-0023	2X2 FLOOR TILE /MASTIC -GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFD-2-Mastic 262403448-0023A	2X2 FLOOR TILE /MASTIC -GRAY	Gray/Beige Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
MFD-3-Floor Tile 262403448-0024	2X2 FLOOR TILE /MASTIC -GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFD-3-Mastic 262403448-0024A	2X2 FLOOR TILE /MASTIC -GRAY	Gray/Beige Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected

Initial report from: 04/23/2024 16:06:36



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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
MCB-1 262403448-0025	2X4 LAY-IN CEILING TILE-PIN HOLES	Gray/White Fibrous Homogeneous	50% Cellulose 10% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
MCB-2 262403448-0026	2X4 LAY-IN CEILING TILE-PIN HOLES	Gray/White Fibrous Homogeneous	50% Cellulose 10% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
MCB-3 262403448-0027	2X4 LAY-IN CEILING TILE-PIN HOLES	Gray/White Fibrous Homogeneous	50% Cellulose 15% Min. Wool	30% Perlite 5% Non-fibrous (Other)	None Detected
MFE-1-Floor Tile 262403448-0028	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFE-1-Mastic 262403448-0028A	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	Gray/Black/Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
MFE-2-Floor Tile 262403448-0029	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFE-2-Mastic 262403448-0029A	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	Gray/Black/Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
MFE-3-Floor Tile 262403448-0030	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	White/Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFE-3-Mastic 262403448-0030A	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFE-3-Leveler 262403448-0030B	12X12 FLOOR TILE/MASTIC -MULTI-COLORED SPECKS	Gray Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
MFF-1-Floor Tile 262403448-0031	12X12 FLOOR TILE /MASTIC-BLUE FLECKS	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFF-1-Mastic 262403448-0031A	12X12 FLOOR TILE /MASTIC-BLUE FLECKS	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFF-2-Floor Tile 262403448-0032	12X12 FLOOR TILE /MASTIC-BLUE FLECKS	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFF-2-Mastic 262403448-0032A	12X12 FLOOR TILE /MASTIC-BLUE FLECKS	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFF-3-Floor Tile 262403448-0033	12X12 FLOOR TILE /MASTIC-BLUE FLECKS	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFF-3-Mastic 262403448-0033A	12X12 FLOOR TILE /MASTIC-BLUE FLECKS	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MBA-1-Cove Base 262403448-0034	VINYL WALLBASE/MASTIC- GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/23/2024 16:06:36



EMSL Analytical, Inc.

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EMSL Order: 262403448
Customer ID: MECO77
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
MBA-1-Mastic 262403448-0034A	VINYL WALLBASE/MASTIC- GRAY	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MBA-2-Cove Base 262403448-0035	VINYL WALLBASE/MASTIC- GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MBA-2-Mastic 262403448-0035A	VINYL WALLBASE/MASTIC- GRAY	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MBA-3-Cove Base 262403448-0036	VINYL WALLBASE/MASTIC- GRAY	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MBA-3-Mastic 262403448-0036A	VINYL WALLBASE/MASTIC- GRAY	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFG-1-Floor Tile 262403448-0037	12X12 FLOOR TILE /MASTIC-TAN SQUARES	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFG-1-Mastic 262403448-0037A	12X12 FLOOR TILE /MASTIC-TAN SQUARES	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MFG-2-Floor Tile 262403448-0038	12X12 FLOOR TILE /MASTIC-TAN SQUARES	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFG-2-Mastic 262403448-0038A	12X12 FLOOR TILE /MASTIC-TAN SQUARES				Positive Stop (Not Analyzed)
MFG-3-Floor Tile 262403448-0039	12X12 FLOOR TILE /MASTIC-TAN SQUARES	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFG-3-Mastic 262403448-0039A	12X12 FLOOR TILE /MASTIC-TAN SQUARES				Positive Stop (Not Analyzed)
MFH-1-Floor Tile 262403448-0040	12X12 FLOOR TILE/MASTIC -BEIGE W/BROWN TILE ACCENT	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFH-1-Mastic 262403448-0040A	12X12 FLOOR TILE/MASTIC -BEIGE W/BROWN TILE ACCENT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFH-2-Floor Tile 262403448-0041	12X12 FLOOR TILE/MASTIC -BEIGE W/BROWN TILE ACCENT	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFH-2-Mastic 262403448-0041A	12X12 FLOOR TILE/MASTIC -BEIGE W/BROWN TILE ACCENT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFH-3-Floor Tile 262403448-0042	12X12 FLOOR TILE/MASTIC -BEIGE W/BROWN TILE ACCENT	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MFH-3-Mastic 262403448-0042A	12X12 FLOOR TILE/MASTIC -BEIGE W/BROWN TILE ACCENT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/23/2024 16:06:36



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

EMSL Order: 262403448
Customer ID: MECO77
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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
MCD-1 262403448-0043	2X2 LAY-IN CEILING TILE -ROUGH	Gray/Silver Non-Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
MCD-2 262403448-0044	2X2 LAY-IN CEILING TILE -ROUGH	Gray/Silver Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
MCD-3 262403448-0045	2X2 LAY-IN CEILING TILE -ROUGH	Gray/White/Silver Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
MMC-1 262403448-0046	EXTERIOR CAULKING	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMC-2 262403448-0047	EXTERIOR CAULKING	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMC-3 262403448-0048	EXTERIOR CAULKING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MCC-1 262403448-0049	2X2 LAY-IN CEILING TILE-SMOOTH	Gray/White Fibrous Homogeneous	40% Cellulose 20% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
MCC-2 262403448-0050	2X2 LAY-IN CEILING TILE-SMOOTH	Gray/White Fibrous Homogeneous	40% Cellulose 20% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
MCC-3 262403448-0051	2X2 LAY-IN CEILING TILE-SMOOTH	Gray/White Fibrous Homogeneous	40% Cellulose 20% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected

Analyst(s)

Mazen Elkhatib (39)
Michael Eppley (10)
Shamya Pugh (23)

James Hahn, 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. Hillside, IL NVLAP Lab Code 200399-0

Initial report from: 04/23/2024 16:06:36



Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: ConnAsblab@EMSL.com

EMSL ANALYTICAL, INC.
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262403448

Customer ID:		If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.	
Customer Information	Company Name:	Billing ID:	
	Contact Name:	Company Name:	
	Street Address:	Billing Contact:	
	City, State, Zip:	Street Address:	
	Country:	City, State, Zip:	Country:
Phone:	Phone:		
Email(s) for Report:	Email(s) for Invoice:		

Project Name/No:		Purchase Order:	
EMSL LIMS Project ID:		State of Connecticut (CT) must select project location:	
Sampled By Name:		Sampled By Signature:	
No. of Samples in Shipment:			

Turn-Around-Time (TAT)

3 Hour
 4-4.5 Hour (AHRA ONLY)
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

PCM Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA <input checked="" type="checkbox"/> PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> POINT COUNT <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> POINT COUNT w/ GRAVIMETRIC <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NYS 198.1 (Friable - NY) <input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY) <input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)			Test Selection TEM - Air <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312* TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)			TEM - Settled Dust <input type="checkbox"/> Microvac - ASTM D5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Qualitative via Filtration Prep <input type="checkbox"/> Qualitative via Drop Mount Prep		
Other Test (please specify)			Soil - Rock - Vermiculite (reporting limit)* <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep					

*Please call with your project-specific requirements

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
MFA-13	12"x12" Floor Tile/Mastic - Brown		
MFB-13	12"x12" Floor Tile/Mastic - Beige w/gray flecks		
TJA-13	Cementitious Pipe Fittings		
MMA-13	HVAC Duct Sealing		
MCA-13	2'x4' Lay-in Ceiling Tile - Frisures & Pin Holes		
MFE-13	Floor Leveler		
MMB-13	Stair Tread Mastic - gray		
MFD-13	2'x2' Floor Tile/Mastic - gray		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	Sample Condition Upon Receipt:
Relinquished by: [Signature]	Received by: [Signature]
Date/Time: 4/16/24 5:00 P	Date/Time: 4/17/24
Relinquished by: [Signature]	Received by: [Signature]
Date/Time: 4/16/24 5:00 P	Date/Time: 4/17/24

Controlled Document - COC-05 Asbestos R16 10/28/2021 AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



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Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

3448

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material/Description
MCB-13		2'x4' Lay-IN Ceiling Tile	Pin Holes
MFE-13		12"x12" Floor Tile/Mastic	Multi-colored specks
MFF-13		12"x12" Floor Tile/Mastic	Blue Flecks
MBA-13		Vinyl Wallbase/Mastic	gray
MFG-13		12"x12" Floor Tile/Mastic	Tan Squares
MFA-13		12"x12" Floor Tile/Mastic	Beige w/Brown Tile
MCD-13		2'x2' Lay-IN Ceiling Tile	Rough Accent
MMC-13		Exterior Caulking	
MCE-13		2'x2' Lay-IN Ceiling Tile	Smooth
*Comments/Special Instructions:			



EMSL Analytical, Inc.

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EMSL Order: 262403855

Customer ID: MECO77

Customer PO:

Project ID:

Attention: Stephen Merwin
Midwest Environmental Consulting Svs.
2551 North Bridge Street
Yorkville, IL 60560

Phone: (630) 514-3758

Fax: (630) 553-3990

Received Date: 04/29/2024 5:35 PM

Analysis Date: 05/06/2024

Collected Date:

Project: 24-04-330-INSP-LAKE BLUFF LIBRARY 123 SCRATON AVE LAKE BLUFF IL

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
MDA-1-Drywall <small>262403855-0001</small>	DRYWALL W/COMPOUND (1970) BLDG	Brown/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
MDA-1-Joint Compound <small>262403855-0001A</small>	DRYWALL W/COMPOUND (1970) BLDG	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MDA-2-Drywall <small>262403855-0002</small>	DRYWALL W/COMPOUND (1970) BLDG	Brown/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
MDA-2-Joint Compound <small>262403855-0002A</small>	DRYWALL W/COMPOUND (1970) BLDG				Positive Stop (Not Analyzed)
MDA-3-Drywall <small>262403855-0003</small>	DRYWALL W/COMPOUND (1970) BLDG	Brown/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
MDA-3-Joint Compound <small>262403855-0003A</small>	DRYWALL W/COMPOUND (1970) BLDG				Positive Stop (Not Analyzed)
MDB-1-Drywall <small>262403855-0004</small>	DRYWALL W/COMPOUND (1990)	Brown/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
MDB-1-Joint Compound <small>262403855-0004A</small>	DRYWALL W/COMPOUND (1990)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MDB-2-Drywall <small>262403855-0005</small>	DRYWALL W/COMPOUND (1990)	Brown/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
MDB-2-Joint Compound <small>262403855-0005A</small>	DRYWALL W/COMPOUND (1990)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MDB-3-Drywall <small>262403855-0006</small>	DRYWALL W/COMPOUND (1990)	Brown/White Non-Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
MDB-3-Joint Compound <small>262403855-0006A</small>	DRYWALL W/COMPOUND (1990)	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MMB-1-Wallbase <small>262403855-0007</small>	VINYL WALLBASE /MASTIC-BROWN (1970) BLDG	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-1-Mastic <small>262403855-0007A</small>	VINYL WALLBASE /MASTIC-BROWN (1970) BLDG	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-2-Wallbase <small>262403855-0008</small>	VINYL WALLBASE /MASTIC-BROWN (1970) BLDG	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-2-Mastic <small>262403855-0008A</small>	VINYL WALLBASE /MASTIC-BROWN (1970) BLDG	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/06/2024 14:25:29



EMSL Analytical, Inc.

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EMSL Order: 262403855
Customer ID: MECO77
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
MMB-3-Wallbase 262403855-0009	VINYL WALLBASE /MASTIC-BROWN (1970) BLDG	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MMB-3-Mastic 262403855-0009A	VINYL WALLBASE /MASTIC-BROWN (1970) BLDG	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MRA-1-Shingle 262403855-0010	ASPHALT ROOFING SHINGLE /ADDITION W/TAR PAPER	Various/Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
MRA-1-Tar Paper 262403855-0010A	ASPHALT ROOFING SHINGLE /ADDITION W/TAR PAPER	Black Non-Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
MRA-2-Shingle 262403855-0011	ASPHALT ROOFING SHINGLE /ADDITION W/TAR PAPER	Various/Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
MRA-2-Tar Paper 262403855-0011A	ASPHALT ROOFING SHINGLE /ADDITION W/TAR PAPER	Black Non-Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
MRA-3-Shingle 262403855-0012	ASPHALT ROOFING SHINGLE /ADDITION W/TAR PAPER	Various/Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
MRA-3-Tar Paper 262403855-0012A	ASPHALT ROOFING SHINGLE /ADDITION W/TAR PAPER	Black Non-Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected

Analyst(s)
Mazen Elkhatib (15)
Selina Zeiss (7)

James Hahn, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Hillside, IL NVLAP Lab Code 200399-0

Initial report from: 05/06/2024 14:25:29

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077



EMSL Order Number / Lab Use Only

262403855

PHONE: (800) 220-3675

EMAIL: EnvAslab@EMSL.com

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Customer Information	Customer ID:	If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.			
	Company Name:	Midwest Environmental Consultants, Inc.			
	Contact Name:	Stephen Merwin			
	Street Address:	57 N. Bridge St. N/A			
City, State, Zip:	Country:	City, State, Zip:	Country:		
Phone:	670-553-3989			Phone:	
Email(s) for Report:	STEPHEN.MERWIN@MPC-US.COM			Email(s) for Invoice:	

Project Information	
Project Name/No:	24-04330 - INSP - Lake Bluff Library
EMSL LIMS Project ID:	
Sampled By Name:	Stephen Merwin
Sampled By Signature:	<i>[Signature]</i>

Turn-Around-Time (TAT)

3 Hour
 4-4.5 Hour (AHERA ONLY)
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only, samples must be submitted by 11:30 am.

<p>PCM Air</p> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA <p>PLM - Bulk (reporting limit)</p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input checked="" type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> POINT COUNT <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> POINT COUNT w/ GRAVIMETRIC <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NYS 198.1 (Friable - NY) <input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY) <input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)	<p>Test Selection</p> <p>TEM - Air</p> <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312* <p>TEM - Bulk</p> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%) <p>Other Test (please specify)</p>	<p>TEM - Settled Dust</p> <input type="checkbox"/> Microvac - ASTM D5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Qualitative via Filtration Prep <input type="checkbox"/> Qualitative via Drop Mount Prep <p>Soil - Rock - Vermiculite (reporting limit)*</p> <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep
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*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
MDA-13	Drywall w/Compound (1970's) Bldg		4/29/24
MDB-13	Drywall w/Compound (1990's)		
MRA-13	Asphalt Roofing Shingles Addition		
MAB-13	Vinyl Wallpaper/Mastic - BROWN (1970's) Bldg		

List MMB Before MRA

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	4/29/24	Sample Condition Upon Receipt:	
Relinquished by:	4/29/24	Received by:	4/29/24 5:35pm
Relinquished by:		Received by:	

Controlled Document - COC-05 Asbestos R16 10/26/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

(24 PM S)

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200399-0

EMSL Analytical Inc.
Hillside, IL

*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).*

2024-04-01 through 2025-03-31

Effective Dates

A handwritten signature in blue ink, which appears to read 'Dana S. Haman'.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical Inc.
4140 Litt Drive
Hillside, IL 60162
Mr. James Hahn
Phone: 773-313-0099 Fax: 773-313-0139
Email: jhahn@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

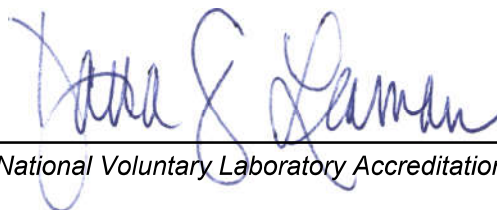
NVLAP LAB CODE 200399-0

Bulk Asbestos Analysis

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

Airborne Asbestos Analysis

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



For the National Voluntary Laboratory Accreditation Program



525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

STEPHEN D MERWIN
25 W 101 MARBLEHEAD COURT
NAPERVILLE, IL 60540

2/28/2024


ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 02871

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

COPY OF THE ASBESTOS PROFESSIONAL LICENSE

Front of License

Back of License

ASBESTOS PROFESSIONAL LICENSE			ENDORSEMENTS	TC EXPIRES
ID NUMBER	ISSUED	EXPIRES	INSPECTOR	7/14/2024
100 - 02871	2/28/2024	05/15/2025	MANAGEMENT PLANNER	1/31/2025
STEPHEN D MERWIN 25 W 101 MARBLEHEAD COUR NAPERVILLE, IL 60540 Environmental Health <i>Stephen D. Merwin</i>			PROJECT MANAGER	6/12/2024
			AIR SAMPLING PROFESSIONAL	
Alteration of this license shall result in legal action This license issued under authority of the State of Illinois Department of Public Health This license is valid only when accompanied by a valid training course certificate.				

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: dph.illinois.gov/topics-services/environmental-health-protection/asbestos
EMAIL Address: dph.asbestos@illinois.gov

PROTECTING HEALTH, IMPROVING LIVES

Nationally Accredited by PHAB



**ASBESTOS
PROFESSIONAL
LICENSE**

ID NUMBER ISSUED EXPIRES
100 - 02871 2/28/2024 05/15/2025

STEPHEN D MERWIN
25 W 101 MARBLEHEAD COUR
NAPERVILLE, IL 60540



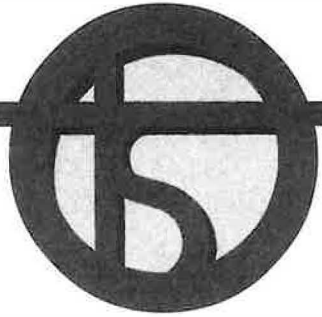
Environmental Health

ENDORSEMENTS

TC EXPIRES

INSPECTOR	7/14/2024
MANAGEMENT PLANNER	1/31/2025
PROJECT MANAGER	6/12/2024
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
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OCCUPATIONAL TRAINING & SUPPLY, INC.

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Stephen Merwin

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency response Act (AHERA) and TSCA Title II.

Course Date: 7/14/2023

Exam Date: 7/14/2023

Expiration Date: 7/14/2024

Certificate Number: BIR2307142000

Kathy DeSalvo, Director