

1700 Summit Avenue, Saint Paul, MN 55105

Chart C - All Materials List

The following list contains all events observed by the inspector, whether or not they actually contained asbestos, and are grouped by homogeneous area (material type).

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
A2B	Mudded Pipe Joints on Millboard Insulation 1964 Addition					Total Amount - 11 Joints
	45	KITCHEN 1303	ASSUMED			8 Joints
	54	ROOM 2302A	ASSUMED			3 Joints
B2B	Millboard Pipe Insulation 1964 Addition					Total Amount - 150 Lin Ft
	43	AUDITORIUM/CAFETERIA 1302	40 CH	041609ML-36	ML-36: 1964 ADDITION 1ST FLOOR HALLWAY 1300 (SINCE REMOVED).	30 Lin Ft
	44	KITCHEN 1303	40 CH	2001-01152-2	ENTRY TO FAN ROOM 0202 (SINCE REMOVED).	30 Lin Ft
	46	1964 ADDITION GYMNASIUM 1306	40 CH			40 Lin Ft
	53	ROOM 2302A	40 CH			50 Lin Ft
H1A	Sprayed-On Structural Fireproofing Gray					Total Amount - 100 Sq Ft
	33	THROUGHOUT OLD MUSIC AREA	NONE DETECTED	08022024JA-01, 02, 03, 04, 05	THROUGHOUT OLD MUSIC AREA	100 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
I1A	1' x 1' Acoustical Ceiling Tile Glacial	Total Amount - 4410 Sq Ft				
	7	ENTRY TO FAN ROOM 0202	NONE DETECTED	030724-BF-9; 041409ML-05	BF-9: ROOM 0202.	40 Sq Ft
	12	1926 ORIGINAL BUILDING BASEMENT HALLWAY	NONE DETECTED			1200 Sq Ft
	14	ROOM 0204	NONE DETECTED			1900 Sq Ft
	16	ROOM 0206 (STORAGE)	NONE DETECTED			200 Sq Ft
	18	ROOM 0207	NONE DETECTED			600 Sq Ft
	24	ROOM 0210 (STORAGE)	NONE DETECTED	041409ML-11		90 Sq Ft
	26	ROOM 0208	NONE DETECTED			260 Sq Ft
	28	ROOM 0209 (STORAGE)	NONE DETECTED	031324-BF-3	ROOM 0209 (STORAGE)	120 Sq Ft
I1B	1' x 1' Acoustical Ceiling Tile Flat Glacial	Total Amount - 2200 Sq Ft				
	56	ROOM 2303	NONE DETECTED	041124-BF-4, 5; 041409ML-08	BF-4,5: MEDIA CENTER (SINCE REMOVED). ML-08: STAIRWELL 0099B (SINCE REMOVED).	800 Sq Ft
	58	ROOM 2304	NONE DETECTED	032124-BF-40, 43	BF-40: 1964 ADDITION 1ST FLOOR HALLWAYS 1300 & 1300A (SINCE REMOVED). BF-43: 1964 ADDITION 2ND FLOOR HALLWAY 2200 (SINCE REMOVED).	300 Sq Ft
	61	ROOM 2305	NONE DETECTED	031324-BF-7	ROOM 2305	1100 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
I1D	1' x 1' Acoustical Ceiling Tile Pegboard (1926)					Total Amount - 1000 Sq Ft
	34	ROOM 1106	NONE DETECTED	032124-BF-41, 42; 041409ML-17	BF-41 & ML-17: ROOM 1106. BF-42: ROOM 1302A (SINCE REMOVED).	1000 Sq Ft
I3A	2' x 4' Ceiling Tile Craters & Pin Holes (1991)					Total Amount - 250 Sq Ft
	64	1991 ADDITION STAIRWELL BY ROOM 2305	NONE DETECTED	345-16	STAFF WORK ROOM 2107 (SINCE REMOVED).	250 Sq Ft
I3B	2' x 4' Ceiling Tile Widthwise Fissures & Pin Holes (1991)					Total Amount - 30 Sq Ft
	21	ROOM 0109A	NONE DETECTED	2001-1504-HH8	ROOM 0108 (SINCE REMOVED).	30 Sq Ft
J3A	Miscellaneous Cementitious Material Slate Window Sills					Total Amount - 22 Sq Ft
	36	ROOM 1106	NONE DETECTED	041409ML-18		20 Sq Ft
	65	1991 ADDITION STAIRWELL BY ROOM 2305	NONE DETECTED	345-1	ROOM 2305 (SINCE REMOVED).	2 Sq Ft
K2C	12" x 12" Vinyl Floor Tile & Mastic Tan w/Beige Mottle (1995)					Total Amount - 140 Sq Ft
	60	STAIR LANDING OUTSIDE ROOM 2304	NONE DETECTED	345-17	STAFF LOUNGE (SINCE REMOVED).	20 Sq Ft
	63	ROOM 2305A	NONE DETECTED			120 Sq Ft
K2F	12" x 12" Vinyl Floor Tile & Mastic Gray Mottle (1991)					Total Amount - 150 Sq Ft
	42	1991 ADDITION SERVER ROOM 1214	NONE DETECTED	041609ML-43		150 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
K3A	Miscellaneous Flooring 2' x 2' Gray Floor Tile					Total Amount - 110 Sq Ft
	20	STAIRWELL 0099B	NONE DETECTED	041609ML-42; B2301399-3, 4	ML-42: AT DOOR TO ROOM 0204 (SINCE REMOVED). B2301399-3: ROOM 0109 (SINCE REMOVED). B2301399-4: ROOM 0207 (SINCE REMOVED).	50 Sq Ft
	23	STAIRWELL 0099A	NONE DETECTED			60 Sq Ft
K3C	Miscellaneous Flooring 2' x 2' Dark Gray					Total Amount - 365 Sq Ft
	47	1964 ADDITION GYMNASIUM STORAGE 1306A	NONE DETECTED	B2301399-6; 041409ML-31	B2301399-6: GYMNASIUM. ML-31: AT STORAGE 1306A.	85 Sq Ft
	48	1964 ADDITION GYMNASIUM STORAGE 1306B	NONE DETECTED			110 Sq Ft
	49	ENTRY (G8) TO GIRLS' LOCKER ROOM FROM GYMNASIUM	NONE DETECTED			85 Sq Ft
	50	ENTRY TO BOYS' LOCKER ROOM	NONE DETECTED			85 Sq Ft
K3D	Miscellaneous Flooring Rubberized Tan Flooring & Adhesive					Total Amount - 6500 Sq Ft
	52	1977 ADDITION GYMNASIUM 1305	NONE DETECTED	B2301399-7; 041609ML-32	1977 ADDITION GYMNASIUM 1305	6500 Sq Ft
K3E	Miscellaneous Flooring 2' x 2' Tan Terrazzo-Look					Total Amount - 35 Sq Ft
	11	ELEVATOR	NEW			35 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
LOB Flexible Duct Connector Black Vinyl Total Amount - 25 Sq Ft						
	55	ROOM 2302A	NEW			25 Sq Ft
MOA Plaster 1926 Original Building Total Amount - 120000 Sq Ft						
	2	THROUGHOUT 1926 ORIGINAL BUILDING	NONE DETECTED	080824-BF-1, 2; 031324-BF-1, 2; 030724-BF-16; 041409ML-06, 10, 12, 14, 23; 2001-1501-K-4; 510Q-3P	080824-BF-1,2: STORAGE ROOM 2110. 031324-BF-1: ROOM 2113. 031324-BF-2: ROOM 2107. BF-16: ROOM 3116. ML-06: FAN ROOM ENTRY CEILING. ML-10: ROOM 1337 CEILING. ML-12: 1ST FLOOR WOMEN'S STAFF RESTROOM WALL. ML-14: ROOM 1210 CEILING. ML-23: ROOM 2108 SOFFIT. K-4: 2ND FLOOR STAFF LOUNGE. Q-3P: 3RD FLOOR SOCIAL WORKER'S OFFICE.	120000 Sq Ft
NOA Drywall/Joint Compound Various (199X) Total Amount - 10000 Sq Ft						
	1	THROUGHOUT BUILDING	NONE DETECTED	041124-BF-6, 7; 2001-1501-K2; 2001-1504-HH7; 345-10, 14	BF-6,7: MEDIA CENTER. K2: 1926 PENTHOUSE. HH7: BASEMENT. 345-10: CUSTODIAL CLOSET BY ROOM 2112. 345-14: ROOM 2111.	10000 Sq Ft
POA Fire Doors Metal w/Solid Wood Core Total Amount - 80 Sq Ft						
	9	BOILER ROOM 0103	NSM			60 Sq Ft
	22	BASEMENT TUNNEL (NORTH)	NSM			20 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
SOA	Wood Floor Felt / Vapor Barrier 1926 Original Building		Total Amount - 40000 Sq Ft			
	3	THROUGHOUT 1926 ORIGINAL BUILDING	NONE DETECTED	B2301399-1	B2301399-1: ROOM 3101.	40000 Sq Ft
V0D	Sink Undercoating Gray		Total Amount - 5 Sq Ft			
	40	1991 ADDITION MEDIA CENTER OFFICE 1215	NONE DETECTED	041409ML-22	SSTAFF LOUNGE (SINCE REMOVED).	5 Sq Ft
W1A	1' x 1' Ceiling Tile Adhesive Associated w/I1A		Total Amount - 1010 Sq Ft			
	8	ENTRY TO FAN ROOM 0202	NONE DETECTED	030724-BF-9; 041409ML-05	BF-9: ROOM 0202.	10 Sq Ft
	13	1926 ORIGINAL BUILDING BASEMENT HALLWAY	NONE DETECTED			300 Sq Ft
	15	ROOM 0204	NONE DETECTED			400 Sq Ft
	17	ROOM 0206 (STORAGE)	NONE DETECTED			40 Sq Ft
	19	ROOM 0207	NONE DETECTED			150 Sq Ft
	25	ROOM 0210 (STORAGE)	NONE DETECTED	041409ML-11		20 Sq Ft
	27	ROOM 0208	NONE DETECTED			60 Sq Ft
	29	ROOM 0209 (STORAGE)	NONE DETECTED	031324-BF-3	ROOM 0209 (STORAGE)	30 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
W1B	1' x 1' Ceiling Tile Adhesive Associated w/I1B		Total Amount - 525 Sq Ft			
	57	ROOM 2303	NONE DETECTED	032124-BF-40, 43; 041124-BF-4, 5; 041609ML-35	032124-BF-40 & 041609. BF-4,5: 1991 ADDITION MEDIA CENTER 1213 (SINCE REMOVED). BF-43: 1964 ADDITION 2ND FLOOR HALLWAY 2200 (SINCE REMOVED). ML-35: 1964 ADDITION 1ST FLOOR HALLWAYS 1300 & 1300A (SINCE REMOVED).	200 Sq Ft
	59	ROOM 2304	NONE DETECTED	030724-BF-12, 13, 14, 15	BF-12,13,14,15: 1964 ADDITION GYMNASIUM 1306 (SINCE REMOVED).	75 Sq Ft
	62	ROOM 2305	NONE DETECTED	031324-BF-7	ROOM 2305	250 Sq Ft
W1D	1' x 1' Ceiling Tile Adhesive Associated w/I1D		Total Amount - 250 Sq Ft			
	35	ROOM 1106	NONE DETECTED	032124-BF-41, 42; 041409ML-17	BF-41 & ML-17: ROOM 1106. BF-42: ROOM 1302A (SINCE REMOVED).	250 Sq Ft
X0AA	Miscellaneous Material Window Caulking and Glazing Compound (1964)		Total Amount - 100 Sq Ft			
	32	THROUGHOUT 1964 ADDITION	NONE DETECTED	031324-BF-10, 11	BF-10,11: ROOM 2305.	100 Sq Ft
X0M	Miscellaneous Material Vermiculite Fill		Total Amount - 10000 Sq Ft			
	51	1977 ADDITION GYMNASIUM 1305	<1 ACT	050324-BF-6, 7, 8	BF-6,7,8: 1977 ADDITION GYMNASIUM 1305.	10000 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
X0R		Miscellaneous Material Black Coating on Clay Block Walls				Total Amount - 5000 Sq Ft
	5	THROUGHOUT 1926 ORIGINAL BUILDING	NONE DETECTED	031324-BF-14, 15; 061924-BF-2, 18; 030724-BF-6, 7	BF-14: PIPE CHASE BY 2105. BF-15: ROOM 2109. BF-2: ROOM 3101. BF-18: ROOM 3116. BF-6,8: ROOM 0307C.	5000 Sq Ft
X0S		Miscellaneous Material Poured Floor -Terrazzo Look				Total Amount - 80 Sq Ft
	41	1991 ADDITION STAIRWELL 1299E NEAR MEDIA CENTER	NONE DETECTED	032124-BF-14, 15	BF-14,15: 1991 ADDITION STAIRWELL 1299E NEAR MEDIA CENTER.	80 Sq Ft
X0T		Miscellaneous Material Interior/Exterior Window Caulk (1991)				Total Amount - 20 Sq Ft
	38	THROUGHOUT 1991 ADDITION	NONE DETECTED	032124-BF-16, 17, 18	BF-16,17,18: MEDIA CENTER.	20 Sq Ft
X0U		Miscellaneous Material Exterior Window Glazing Compound (1991)				Total Amount - 10 Sq Ft
	39	THROUGHOUT 1991 ADDITION	NONE DETECTED	032124-BF-19, 20	BF-19,20: MEDIA CENTER.	10 Sq Ft
X0V		Miscellaneous Material Expansion Joint Caulking (1964)				Total Amount - 20 Sq Ft
	30	THROUGHOUT 1964 ADDITION	NONE DETECTED	032124-BF-33, 34	BF-33,34: CAFETERIA.	20 Sq Ft
X0W		Miscellaneous Material Exterior Brick and Mortar (1964)				Total Amount - 5000 Sq Ft
	31	THROUGHOUT 1964 ADDITION	NONE DETECTED	032124-BF-35, 36, 37, 38	BF-35,36,37,38: CAFETERIA.	5000 Sq Ft

Homogeneous Area ID Code (Material Type)	IEA Event No.	Location	% Asbestos	Sample No.	Sample Location	Estimated Total Amount
X0X	Miscellaneous Material Window Glazing Compound (1926)					Total Amount - 1 Sq Ft
	37	1926 ORIGINAL BUILDING THIRD FLOOR ATTIC	NONE DETECTED	041124-BF-14, 15	BF-14,15: 1926 ORIGINAL BUILDING THIRD FLOOR ATTIC.	1 Sq Ft
X0Y	Miscellaneous Material Chimney Interior Brick and Mortar					Total Amount - 1000 Sq Ft
	10	MECHANICAL ROOM 0104	NONE DETECTED	051424-BF-5, 6, 7, 8	BOILER ROOM 0103	1000 Sq Ft
X0Z	Miscellaneous Material Exterior Window Caulk and Glazing Compound (1926)					Total Amount - 400 Sq Ft
	4	THROUGHOUT 1926 ORIGINAL BUILDING	NONE DETECTED	031324-BF-8, 9; 030724-BF-29, 30	BF-8,9: ROOM 1101. BF-29,30: ROOM 3114.	400 Sq Ft



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EMSL Order: 352301349

Customer ID: BRAU50

Customer PO:

Project ID:

Attention: Shawn Cazett

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Phone: (952) 995-2000

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Received Date: 02/20/2023 10:10 AM

Analysis Date: 02/20/2023

Collected Date:

Project: B2301399

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	
#1 352301349-0001	Note 1 & 2 3rd floor room 3101 - Flooring underlayment (black) tar paper	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
#2 Floor Tile 352301349-0002	Note 12 1st floor stairwell C - 4-inch by 4-inch ceramic floor tile with grout	Red Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
#2 Grout 352301349-0002A	Note 12 1st floor stairwell C - 4-inch by 4-inch ceramic floor tile with grout	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
#3 Floor Tile 352301349-0003	Note 13 Lower level room 0109 - 24-inch by 24-inch floor tile (grey with white) top layer with vinyl sheet flooring second layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
#3 Adhesive 352301349-0003A	Note 13 Lower level room 0109 - 24-inch by 24-inch floor tile (grey with white) top layer with vinyl sheet flooring second layer	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
#3 Gray 352301349-0003B	Note 13 Lower level room 0109 - 24-inch by 24-inch floor tile (grey with white) top layer with vinyl sheet flooring second layer	Gray Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
#4 Floor Tile 352301349-0004	Note 13 Lower level room 0207 - 24-inch by 24-inch floor tile (grey with white)	Gray Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
#4 Adhesive 352301349-0004A	Note 13 Lower level room 0207 - 24-inch by 24-inch floor tile (grey with white)	Yellow/Clear Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
#4 Paper 352301349-0004B	Note 13 Lower level room 0207 - 24-inch by 24-inch floor tile (grey with white)	Tan Non-Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
#5 352301349-0005	Note 6 1st floor music room - Flooring underlayment (black) tar paper	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
#6 Floor Tile 352301349-0006	Note 7 1963 gymnasium floor - 24-inch by 24-inch floor tile (grey with white)	Gray Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Initial report from: 02/20/2023 14:29:22



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EMSL Order: 352301349

Customer ID: BRAU50

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 % Type
			% Fibrous	% Non-Fibrous	
#6 Adhesive 352301349-0006A	Note 7 1963 gymnasium floor - 24-inch by 24-inch floor tile (grey with white)	Yellow Non-Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
#7 Flooring 352301349-0007	Note 8 1st floor 1977 gymnasium - Rubber flooring (tan) with adhesive	Tan Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
#7 Adhesive 352301349-0007A	Note 8 1st floor 1977 gymnasium - Rubber flooring (tan) with adhesive	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

Analyst(s)

Amanda Lindahl (14)

Rachel Travis, 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") 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. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 02/20/2023 14:29:22



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EMSL Order: 352407366
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Analysis Date: 08/09/2024
Collected Date: 08/08/2024

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
080824-BF-1 352407366-0001	Storage 2110 - Plaster Wall	Brown/Gray Non-Fibrous Homogeneous		60% Mica 40.0% Non-fibrous (Other)	None Detected
080824-BF-2 352407366-0002	Storage 2110 - Plaster Wall	Brown/Gray Non-Fibrous Homogeneous		60% Mica 40.0% Non-fibrous (Other)	None Detected
080824-BF-3 352407366-0003	Restroom 1309C - Tar Paper on Beam	Black Fibrous Homogeneous	75% Cellulose 5% Hair	20.0% Non-fibrous (Other)	None Detected
080824-BF-4 352407366-0004	Restroom 1309C - Tar Paper on Beam	Black Fibrous Homogeneous	75% Cellulose 5% Hair	20.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 08/09/2024 09:38:36



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Project ID:

Attention: Emma Squires-Sperling
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Phone: (763) 315-7927
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Received Date: 08/08/2024 10:15 AM
Analysis Date: 08/09/2024
Collected Date: 08/08/2024

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 08/08/2024
Analysis Completed Date: 08/09/2024

Sample Receipt Time: 10:15 AM
Analysis Completed Time: 9:29 AM

Analyst(s):

Louis Miller PLM (4)

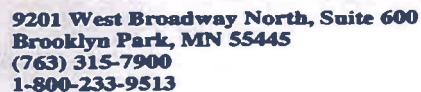
Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 08/09/2024 09:38:36

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Page 1 of 1

Client # <u>2001</u>	Project # <u>202410094</u>	Building Name <u>Hidden River Middle School</u>	Shaded Areas are for Laboratory Use Only!
Client <u>Saint Paul Public Schools</u>		Project Name _____	
Address _____		Contact Person _____	IEA Project Manager <u>Brenda Fischer</u>
		Other Information _____	

Verbal results to	Phone, Fax No. or E-Mail	TAT (circle) 6 hr <u>24 hr</u> 48 hr 72 hr 96 hr Specify
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Verbal results relayed to	Verbal results relayed by	Date	Time
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Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other	Matrix type	Analysis requested	Filter type
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Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
080824-BF-1	Storage 2110	Plaster wall → plaster only			☐	☒	☐	☐	☒	☐		☐	☐	☐
080824-BF-2	↓	Plaster wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
080824-BF-3	Restroom 1309C	Tar paper on beam			☐	☒	☐	☐	☒	☐		☐	☐	☐
080824-BF-4	↓	Tar paper on beam			☐	☐	☐	☐	☐	☐		☐	☐	☐
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The MN Department of Health Alternative Indoor Air Standard for this project is: _____	F/CC.	Batch Number:	Samples Acceptable? ☐ Yes ☐ No
--	-------	---------------	--

Sampled by <i>Brenda Fischer</i>	Date <i>8-8-24</i>	Time <i>9:00am</i>	Delivered by <i>Brenda Fischer</i>	Date <i>8-8-24</i>	Time <i>10:15am</i>	Received by Lab <i>MSD/Enslin</i>	Date <i>8/8/24</i>	Time <i>10:15</i>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



EMSL Analytical, Inc.

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Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352407213
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445

Project: 202410094 Hidden River

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 08/02/2024 12:04 PM
Analysis Date: 08/05/2024
Collected Date: 08/02/2024

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
08022024JA-01 352407213-0001	Gray Fireproofing - 1211	Gray Fibrous Homogeneous	75% MinWool	25.0% Non-fibrous (Other)	None Detected
08022024JA-02 352407213-0002	Gray Fireproofing - 1211	Gray Fibrous Homogeneous	75% MinWool	25.0% Non-fibrous (Other)	None Detected
08022024JA-03 352407213-0003	Gray Fireproofing - 1208	Gray Fibrous Homogeneous	75% MinWool	25.0% Non-fibrous (Other)	None Detected
08022024JA-04 352407213-0004	Gray Fireproofing - 1207	Gray Fibrous Homogeneous	75% MinWool	25.0% Non-fibrous (Other)	None Detected
08022024JA-05 352407213-0005	Gray Fireproofing - 1207	Gray Fibrous Homogeneous	75% MinWool	25.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 08/05/2024 11:40:33



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

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

EMSL Order: 352407213

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202410094 Hidden River

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 08/02/2024 12:04 PM
Analysis Date: 08/05/2024
Collected Date: 08/02/2024

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 08/02/2024

Sample Receipt Time: 12:04 PM

Analysis Completed Date: 08/05/2024

Analysis Completed Time: 10:40 AM

Analyst(s):

Daniel Nordland PLM (5)

Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 08/05/2024 11:40:33



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(763) 315-7900
1-800-233-9513

7213

CHAIN OF CUSTODY

Page 1 of 1

Client #		Project # <u>202410094</u>		Building Name <u>Hadden River</u>		Shaded Areas are for Laboratory Use Only!											
Client <u>S.P. Paul Public School</u>				Project Name													
Address				Contact Person		IEA Project Manager <u>Brenda F</u>											
				Other Information													
Verbal results to		Phone, Fax No. or E-Mail		TAT (circle) 6 hr <u>24 hr</u> 48 hr 72 hr 96 hr Specify													
Verbal results relayed to		Verbal results relayed by		Date		Time											
Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other						Matrix type		Analysis requested		Filter type							
Sample #	Work Area or Phase #	Sample Description/Location		Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um		
~~08022024 SA~~																	
08022024 JA-01		Gray Fireproofing - Rm 1211		}	TTP												
-02		- Rm 1211															
-03		- Rm 1208															
-04		- Rm 1207															
-05		- Rm 1207															
The MN Department of Health Alternative Indoor Air Standard for this project is: _____ F/CC.						Batch Number:		Samples Acceptable? ☐ Yes ☐ No									
Sampled by <u>Jeff Andon</u>		Date <u>8/24</u>	Time <u>11:35</u>	Delivered by <u>Jeff Andon</u>		Date <u>8/24</u>	Time <u>12:05</u>	Received by lab <u>[Signature]</u>		Date <u>8/24</u>	Time <u>12:04</u>	Entered by		Date	Time		
Received by		Date	Time	Delivered by		Date	Time	Analysis by		Date	Time	Delivered by		Date	Time		



EMSL Analytical, Inc.

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

EMSL Order: 352405558
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 06/19/2024 11:45 AM
Analysis Date: 06/20/2024
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
			% Fibrous	% Non-Fibrous	% Type
061924-BF-1 352405558-0001	Room 3101 - East wall - Tackboard adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-2 352405558-0002	Room 3101 - North wall - Dampproofing	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-3 352405558-0003	Room 3101 - West wall - Chalkboard adhesive - light brown	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-4 352405558-0004	Room 3101 - West wall - Chalkboard adhesive - dark brown	Brown Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
061924-BF-5 352405558-0005	Room 3101 - between tack & pressed board - Tackboard adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-6 352405558-0006	Room 3103 - South wall - Chalkboard adhesive - dark brown	Brown Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
061924-BF-7 352405558-0007	Room 3103 - North wall - Tackboard adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-8 352405558-0008	Room 3103 - over chalk - Markerboard adhesive	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-9 352405558-0009	Room 3103 - over chalk - Markerboard adhesive	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 06/20/2024 11:39:54



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

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http://www.EMSL.com / minneapolislab@emsl.com

EMSL Order: 352405558

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 06/19/2024 11:45 AM

Analysis Date: 06/20/2024

Collected Date:

Project: 2001-202410094 Hidden River Middle School

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

Non-Asbestos

Asbestos

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
061924-BF-10 352405558-0010	Room 3103 - South wall top edge - Chalkboard frame	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-11 352405558-0011	Room 3110 - West wall - Tackboard adhesive	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-12 352405558-0012	Room 3110 - South wall - Markerboard adhesive	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-13 352405558-0013	Room 3112 - North wall - Tackboard adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-14 352405558-0014	Room 3114 - North wall - Tackboard adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-15 352405558-0015	Room 3114 - South wall - Chalkboard adhesive - dark brown	Brown Non-Fibrous Homogeneous		98.0% Non-fibrous (Other)	2% Chrysotile
061924-BF-16 352405558-0016	Room 3114 - South wall - Chalkboard adhesive - light brown	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-17 352405558-0017	Room 3116 - North wall - Chalkboard adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
061924-BF-18 352405558-0018	Room 3116 - North wall - Dampproofing	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 06/20/2024 11:39:54



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

EMSL Order: 352405558
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 06/19/2024 11:45 AM
Analysis Date: 06/20/2024
Collected Date:

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 06/19/2024
Analysis Completed Date: 06/20/2024

Sample Receipt Time: 11:45 AM
Analysis Completed Time: 11:36 AM

Analyst(s):

Louis Miller PLM (18)

Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 06/20/2024 11:39:54



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1-800-233-9513

352405558

CHAIN OF CUSTODY

Page 1 of 2

Order ID: 352405558

Client # 2001 Project # 202410094
Client Saint Paul Public Schools
Address _____

Building Name Hidden River Middle School
Project Name _____
Contact Person _____
Other Information _____

Shaded Areas are for
Laboratory Use Only!

IEA Project Manager Brenda Fischer

Verbal results to _____ Phone, Fax No. or E-Mail _____ TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to _____ Verbal results relayed by _____ Date _____ Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
061924-BF-1	Room 3101	Tack board adhesive - East wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-2		Dampproofing - North wall	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-3		Chalkboard adhesive - West wall - light brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-4		Chalkboard adhesive - West wall - dark brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-5		Tack board adhesive - between tack + pressed board			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-6	Room 3103	Chalkboard adhesive - South wall - dark brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-7		Tackboard adhesive - North wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-8		Markerboard adhesive - over chalk			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-9		Markerboard adhesive - over chalk			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-10		Chalkboard frame - South wall top edge			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-11	Room 3110	Tackboard adhesive - West wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-12		Markerboard adhesive - South wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-13	Room 3112	Tackboard adhesive - North wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-14	Room 3114	Tackboard adhesive - North wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF-15		Chalkboard adhesive - South wall - dark brown			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____ F/CC. Batch Number: _____ Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>6-19-24</u>	Time <u>10 Am</u>	Delivered by <u>Brenda Fischer</u>	Date <u>6-19-24</u>	Time <u>11:45 Am</u>	Received by lab <u>Andrew Gopal</u>	Date <u>6/19/24</u>	Time <u>11:45 Am</u>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



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5558

CHAIN OF CUSTODY

Page 2 of 2

OrderID: 352405558

Client # <u>2001</u>	Project # <u>202410094</u>	Building Name <u>Hidden River Middle School</u>	Shaded Areas are for Laboratory Use Only!
Client <u>Saint Paul Public Schools</u>	Project Name _____	Project Manager _____	
Address _____	Contact Person _____	IEA Project Manager <u>Brenda Fisher</u>	
Other Information _____			

Verbal results to _____ Phone, Fax No. or E-Mail _____ TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to _____ Verbal results relayed by _____ Date _____ Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
061924-BF10	Room 3114	Chalkboard adhesive - ^{South} North wall	Light brown		☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF11	Room 3116	Chalkboard adhesive - North wall			☐	☒	☐	☐	☒	☐		☐	☐	☐
061924-BF18	↓	Damp proofing - North wall	x		☐	☒	☐	☐	☒	☐		☐	☐	☐
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EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352404377
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 05/14/2024 4:40 PM
Analysis Date: 05/15/2024
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
			% Fibrous	% Non-Fibrous	% Type
051424-BF-1 352404377-0001	Room 2303B - Plaster ceiling	White Non-Fibrous Homogeneous	4% Cellulose	96.0% Non-fibrous (Other)	None Detected
051424-BF-2 352404377-0002	Hall 2300 - Plaster ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-3 352404377-0003	Room 2304 - Plaster ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-4 352404377-0004	Room 2305 - Plaster ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-5 352404377-0005	Boiler Room - Chimney - interior brick	Brown/Tan Non-Fibrous Homogeneous	2% Cellulose	98.0% Non-fibrous (Other)	None Detected
051424-BF-6 352404377-0006	Boiler Room - Chimney - interior brick	Brown/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-7 352404377-0007	Boiler Room - Chimney - interior mortar	Brown/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-8 352404377-0008	Boiler Room - Chimney - interior mortar	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-9 352404377-0009	Boiler Room - Burner gasket - Boiler #1	Brown/Tan Fibrous Homogeneous	90% Glass	10.0% Non-fibrous (Other)	None Detected

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. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/15/2024 14:02:38



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

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EMSL Order: 352404377

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445

Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 05/14/2024 4:40 PM

Analysis Date: 05/15/2024

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

Non-Asbestos

Asbestos

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
051424-BF-10 352404377-0010	Boiler Room - Burner gasket - Boiler #2	Tan/White Fibrous Homogeneous	90% Glass	10.0% Non-fibrous (Other)	None Detected
051424-BF-11 352404377-0011	Boiler Room - Burner flange gasket - Boiler #1	Black Fibrous Homogeneous	90% Cellulose	10.0% Non-fibrous (Other)	None Detected
051424-BF-12 352404377-0012	Boiler Room - Burner flange gasket - Boiler #2	Black Fibrous Homogeneous	90% Cellulose	10.0% Non-fibrous (Other)	None Detected
051424-BF-13 352404377-0013	Boiler Room - Burner refractory - Boiler #1	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-14 352404377-0014	Boiler Room - Burner refractory - Boiler #2	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
051424-BF-15 352404377-0015	Boiler Room - Burner side door insulation - Boiler #1	Gray/Tan Fibrous Homogeneous	85% Glass	15.0% Non-fibrous (Other)	None Detected
051424-BF-16 352404377-0016	Boiler Room - Burner side door insulation - Boiler #2	White Fibrous Homogeneous	85% Glass	15.0% Non-fibrous (Other)	None Detected
051424-BF-17 352404377-0017	Boiler Room - Burner side door gasket - Boiler #1	Gray/White Fibrous Homogeneous	10% Synthetic 85% Glass	5.0% Non-fibrous (Other)	None Detected
051424-BF-18 352404377-0018	Boiler Room - Burner side door gasket - Boiler #2	Gray/White/Black Fibrous Homogeneous	15% Synthetic 80% Glass	5.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/15/2024 14:02:38



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Attention: Emma Squires-Sperling
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Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 05/14/2024 4:40 PM

Analysis Date: 05/15/2024

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
			% Fibrous	% Non-Fibrous	% Type
051424-BF-19 352404377-0019	Boiler Room - Back round door gasket - Boiler #1	White/Black Fibrous Homogeneous	95% Glass	5.0% Non-fibrous (Other)	None Detected
051424-BF-20 352404377-0020	Boiler Room - Back round door gasket - Boiler #2	Brown/White Fibrous Homogeneous	95% Glass	5.0% Non-fibrous (Other)	None Detected
051424-BF-21 352404377-0021	Boiler Room - Back door gasket - Boiler #1	Gray/White Fibrous Homogeneous	85% Glass	15.0% Non-fibrous (Other)	None Detected
051424-BF-22 352404377-0022	Boiler Room - Back door gasket - Boiler #2	Tan/White Fibrous Homogeneous	20% Synthetic 70% Glass	10.0% Non-fibrous (Other)	None Detected
051424-BF-23 352404377-0023	Boiler Room - Back round door refractory - Boiler #1	Tan/White Non-Fibrous Homogeneous	2% Cellulose	98.0% Non-fibrous (Other)	None Detected
051424-BF-24 352404377-0024	Boiler Room - Back round door refractory - Boiler #2	Tan/White Non-Fibrous Homogeneous	2% Cellulose	98.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/15/2024 14:02:38



EMSL Analytical, Inc.

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EMSL Order: 352404377
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
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Brooklyn Park, MN 55445
Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 05/14/2024 4:40 PM
Analysis Date: 05/15/2024
Collected Date:

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 05/14/2024
Analysis Completed Date: 05/15/2024

Sample Receipt Time: 4:40 PM
Analysis Completed Time: 2:01 PM

Analyst(s):

Bennett Hanson PLM (24)

Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/15/2024 14:02:38



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1-800-233-9513

35240 4377

CHAIN OF CUSTODY

Page 1 of 2

Client # 2001 Project # 2024 10094

Building Name Hidden River Middle School

Shaded Areas are for
Laboratory Use Only!

Client Saint Paul Public Schools

Project Name

Address

Contact Person

IEA Project Manager Brenda Fischer

Other Information

Verbal results to

Phone, Fax No. or E-Mail

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
051424-BF-1	Room 2303B	Plaster ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-2	Hall 11 2300	Plaster ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-3	Room 2304	Plaster ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-4	Room 2305	Plaster ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-5	Boiler Room	Chimney - interior brick	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-6		Chimney - interior brick	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-7		Chimney - interior mortar	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-8		Chimney - interior mortar	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-9		Burner gasket - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-10		Burner gasket - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-11		Burner flange gasket - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-12		Burner flange gasket - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-13		Burner refractory - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-14		Burner refractory - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-15	✓	Burner side door insulation Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is:

F/C/C

Batch Number:

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>5-14-24</u>	Time <u>7:00am</u>	Delivered by <u>Emma</u>	Date <u>5-14-24</u>	Time <u>3:50pm</u>	Received by lab <u>Paul</u>	Date <u>5/14/24</u>	Time <u>4:40pm</u>	Entered by <u>WE</u>	Date	Time
Received by <u>Emma</u>	Date <u>5-14-24</u>	Time <u>AM</u>	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

352404377

CHAIN OF CUSTODY

Page 2 of 2

Client # 2001 Project # 202410094

Client Saint Paul Public Schools

Address _____

Building Name Hidden River Middle School

Project Name _____

Contact Person _____

Other Information _____

IEA Project Manager Brenda Fischer

Shaded Areas are for
Laboratory Use Only!

Verbal results to _____

Phone, Fax No. or E-Mail _____

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to _____

Verbal results relayed by _____

Date _____

Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
051424-BF-16	Boiler Room	Burnerside door insulation - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-17		Burnerside door gasket - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-18		Burner side door gasket - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-19		Back round door gasket - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-20		Back round door gasket - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-21		Back door gasket - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-22		Back door gasket - Boiler #2			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-23		Back round door refractory - Boiler #1			☐	☒	☐	☐	☒	☐		☐	☐	☐
051424-BF-24	✓	Back round door refractory - Boiler #2	2		☐	☒	☐	☐	☒	☐		☐	☐	☐
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EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352404056
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 05/03/2024 12:40 PM
Analysis Date: 05/03/2024 - 05/06/2024
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
			% Fibrous	% Non-Fibrous	% Type
050324-BF-1 352404056-0001	Room 1309A - Plaster ceiling	Gray/White/Various Non-Fibrous Homogeneous		95.0% Non-fibrous (Other)	5% Chrysotile
050324-BF-2 352404056-0002	Room 1309B - Plaster ceiling	Gray/Various Non-Fibrous Homogeneous	2% Cellulose	98.0% Non-fibrous (Other)	None Detected
050324-BF-3 Floor Tile 352404056-0003	Room 2119 - Floor tile + mastic (12"x12") K2A	Tan/White Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
050324-BF-3 Mastic 352404056-0003A	Room 2119 - Floor tile + mastic (12"x12") K2A	Black Non-Fibrous Homogeneous		90.0% Non-fibrous (Other)	10% Chrysotile
050324-BF-4 Floor Tile 352404056-0004	Hall 2300 - Floor tile + mastic (12"x12") K2C	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
050324-BF-4 Adhesive 352404056-0004A	Hall 2300 - Floor tile + mastic (12"x12") K2C	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
050324-BF-5 Floor Tile 352404056-0005	Room 2303A - Floor tile + mastic (12"x12") K2C	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
050324-BF-5 Adhesive 352404056-0005A	Room 2303A - Floor tile + mastic (12"x12") K2C	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
050324-BF-6 352404056-0006	Gym 1305 - Vermiculite insulation - S. wall west X0M	Various/Silver/Gold Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<1% Actinolite

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. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/06/2024 11:48:10



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427

Tel/Fax: (763) 449-4922 / (763) 449-4924

http://www.EMSL.com / minneapolislab@emsl.com

EMSL Order: 352404056

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445

Project: 2001-202410094 Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 05/03/2024 12:40 PM

Analysis Date: 05/03/2024 - 05/06/2024

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
			% Fibrous	% Non-Fibrous	% Type
050324-BF-7 352404056-0007	Gym 1305 - Vermiculite insulation - S. wall center X0M	Various/Silver/Gold Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<1% Actinolite
050324-BF-8 352404056-0008	Gym 1305 - Vermiculite insulation - S. wall east X0M	Various/Silver/Gold Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<1% Actinolite

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/06/2024 11:48:10



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
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Customer ID: IFEA50
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Attention: Emma Squires-Sperling
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Suite 600
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Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 05/03/2024 12:40 PM
Analysis Date: 05/03/2024 - 05/06/2024
Collected Date:

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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:	05/03/2024	Sample Receipt Time:	12:40 PM
Analysis Completed Date:	05/06/2024	Analysis Completed Time:	11:47 AM

Analyst(s):

Michael Craigmile PLM (11)

Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 05/06/2024 11:48:10



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

352404056

CHAIN OF CUSTODY

Page 1 of 1

Client # 2001 Project # 202410094

Shaded Areas are for Laboratory Use Only!

Client Saint Paul Public Schools

Building Name Hidden River Middle School

Project Name

Contact Person Brenda Fischer

Contact Person Phone 763-229-0076

Address

Other Information

Verbal results to

Phone, Fax No. or E-Mail

TAT (circle) 6 hr 1d 2d 3d 4d Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
050324-BF-1	Room 1309A	Plaster ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-2	Room 1309B	Plaster ceiling			☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-3	Room 2119	Floor tile + Mastic (12" x 12")	K2A		☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-4	Hall 2300	Floor tile + Mastic (12" x 12")	K2C		☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-5	Room 2303A	Floor tile + Mastic (12" x 12")	K2C		☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-6	64m 1305	Vermiculite insulation - S. wall West	XDM	☒	☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-7	64m 1305	Vermiculite insulation - S. wall center	XDM	☒	☐	☒	☐	☐	☒	☐		☐	☐	☐
050324-BF-8	64m 1305	Vermiculite insulation S. wall East	XDM	☒	☐	☒	☐	☐	☒	☐		☐	☐	☐
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EMSL Order: 352403344

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Received: 04/12/2024 2:00 PM

Analysis Date: 04/25/2024

Collected: 04/11/2024

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.

Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
041124-BF-34- Plaster 352403344-0034	Room 1307B - Plaster Ceiling	Gray Non-Fibrous Homogeneous		98.8% Non-fibrous (Other)	1.25% Chrysotile

HA: MOB

Analyst(s)

Nicholas Asuncion (1)

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 04/25/2024 13:46:01



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Received Date: 04/12/2024 2:00 PM

Analysis Date: 04/15/2024 - 04/16/2024

Collected Date: 04/11/2024

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
041124-BF-1- Plaster 352403344-0001	Gym 1306 - Plaster Ceiling - SW	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-1- Skim Coat 352403344-0001A	Gym 1306 - Plaster Ceiling - SW	White Non-Fibrous Homogeneous	5% Fibrous_Other	95.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-2- Plaster 352403344-0002	Gym 1306 - Plaster Ceiling - NW	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-2- Skim Coat 352403344-0002A	Gym 1306 - Plaster Ceiling - NW	White Non-Fibrous Homogeneous	5% Fibrous_Other	95.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-3- Plaster 352403344-0003	Gym 1306 - Plaster Ceiling - SE	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-3- Skim Coat 352403344-0003A	Gym 1306 - Plaster Ceiling - SE	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-4- Ceiling Tile 352403344-0004	Media Center - Ceiling Tile (1'x1') & adhesive - NE	Gray Fibrous Homogeneous	90% MinWool	10.0% Non-fibrous (Other)	None Detected
HA: I1B/W1B					

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-2447B

Initial report from: 04/16/2024 14:07:12



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Analysis Date: 04/15/2024 - 04/16/2024
Collected Date: 04/11/2024

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
041124-BF-4- Adhesive 352403344-0004A	Media Center - Ceiling Tile (1'x1') & adhesive - NE	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: 11B/W1B					
041124-BF-5- Ceiling Tile 352403344-0005	Media Center - Ceiling Tile (1'x1') & adhesive - NW	Gray Fibrous Homogeneous	90% MinWool	10.0% Non-fibrous (Other)	None Detected
HA: 11B/W1B					
041124-BF-5- Adhesive 352403344-0005A	Media Center - Ceiling Tile (1'x1') & adhesive - NW	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: 11B/W1B					
041124-BF-6- Drywall 352403344-0006	Media Center - Drywall Ceiling - NE	White Non-Fibrous Homogeneous	3% Cellulose 3% Glass	94.0% Non-fibrous (Other)	None Detected
041124-BF-6- Adhesive 352403344-0006A	Media Center - Drywall Ceiling - NE	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-7- Drywall 352403344-0007	Media Center - Drywall Ceiling - NW	White Non-Fibrous Homogeneous	3% Cellulose 3% Glass	94.0% Non-fibrous (Other)	None Detected
041124-BF-7- Adhesive 352403344-0007A	Media Center - Drywall Ceiling - NW	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-8- Ceiling Tile 352403344-0008	Cafeteria - Ceiling Tile (1'x1') & adhesive - NW	Gray Fibrous Homogeneous	15% Cellulose 80% MinWool	5.0% Non-fibrous (Other)	None Detected
HA: 11B/W1B					

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 04/16/2024 14:07:12



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Analysis Date: 04/15/2024 - 04/16/2024
Collected Date: 04/11/2024

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
041124-BF-8- Adhesive 352403344-0008A	Cafeteria - Ceiling Tile (1'x1') & adhesive - NW	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: I1B/W1B					
041124-BF-9- Ceiling Tile 352403344-0009	Cafeteria - Ceiling Tile (1'x1') & adhesive - W, Central	Gray Fibrous Homogeneous	15% Cellulose 80% MinWool	5.0% Non-fibrous (Other)	None Detected
HA: I1B/W1B					
041124-BF-9- Adhesive 352403344-0009A	Cafeteria - Ceiling Tile (1'x1') & adhesive - W, Central	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: I1B/W1B					
041124-BF-10- Ceiling Tile 352403344-0010	Cafeteria - Ceiling Tile (1'x1') & adhesive - SW	Gray Fibrous Homogeneous	15% Cellulose 80% MinWool	5.0% Non-fibrous (Other)	None Detected
HA: I1B/W1B					
041124-BF-10- Adhesive 352403344-0010A	Cafeteria - Ceiling Tile (1'x1') & adhesive - SW	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: I1B/W1B					
041124-BF-11 352403344-0011	Cafeteria - Plaster Ceiling - SW	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-12- Plaster 352403344-0012	Cafeteria - Plaster Ceiling - NW	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 04/16/2024 14:07:12



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Analysis Date: 04/15/2024 - 04/16/2024
Collected Date: 04/11/2024

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
041124-BF-12- Skim Coat 352403344-0012A	Cafeteria - Plaster Ceiling - NW	White Non-Fibrous Homogeneous	5% Fibrous_Other	95.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-13 352403344-0013	Cafeteria - Plaster Ceiling - W. Central	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-14 352403344-0014	Roof Access By Elevator - Window Glazing Compound	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-15 352403344-0015	Roof Access By Elevator - Window Glazing Compound	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-16- Tar Felt 352403344-0016	Attic by Roof Access - Roofing Debris	Black Fibrous Homogeneous	50% Cellulose	50.0% Non-fibrous (Other)	None Detected
041124-BF-16- Tar 352403344-0016A	Attic by Roof Access - Roofing Debris	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-17- Tar Felt 352403344-0017	Attic by Roof Access - Roofing Debris	Black Fibrous Homogeneous	50% Cellulose	50.0% Non-fibrous (Other)	None Detected
041124-BF-17- Tar 352403344-0017A	Attic by Roof Access - Roofing Debris	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-18- Tile 352403344-0018	Room 1304 - Quarry Tile	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

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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
041124-BF-18- Grout 352403344-0018A	Room 1304 - Quarry Tile	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-19 352403344-0019	Room 1304 - Quarry Tile Grout	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-20- Layer 1 352403344-0020	Room 1304 - Quarry Tile Setting Bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-20- Layer 2 352403344-0020A	Room 1304 - Quarry Tile Setting Bed	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-21- Tile 352403344-0021	K3 Entry - Quarry Tile	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-21- Grout 352403344-0021A	K3 Entry - Quarry Tile	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-22 352403344-0022	K3 Entry - Quarry Tile Grout	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-23 352403344-0023	K3 Entry - Quarry Tile Setting Bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-24- Ceramic Tile 352403344-0024	Restroom 1202 - Ceramic tile, grout & setting bed	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

HA: X1A

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 04/16/2024 14:07:12



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Analysis Date: 04/15/2024 - 04/16/2024
Collected Date: 04/11/2024

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
041124-BF-24- Grout 352403344-0024A	Restroom 1202 - Ceramic tile, grout & setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1A					
041124-BF-24- Bedding 352403344-0024B	Restroom 1202 - Ceramic tile, grout & setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1A					
041124-BF-25- Ceramic Tile 352403344-0025	Restroom 1010A - Ceramic tile & grout	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1A					
041124-BF-25- Grout 352403344-0025A	Restroom 1010A - Ceramic tile & grout	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1A					
041124-BF-25- Bedding 352403344-0025B	Restroom 1010A - Ceramic tile & grout	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1A					
041124-BF-26 352403344-0026	Restroom 1010A - Ceramic tile setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1A					
041124-BF-27- Ceramic Tile 352403344-0027	Restroom 2107A - Glazed tile, grout & adhesive	White/Purple Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1B					

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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
041124-BF-27- Grout 352403344-0027A	Restroom 2107A - Glazed tile, grout & adhesive	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1B		
041124-BF-27- Adhesive 352403344-0027B	Restroom 2107A - Glazed tile, grout & adhesive	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1B		
041124-BF-28- Ceramic Tile 352403344-0028	Restroom 2107A - Glazed tile, grout & adhesive	White/Purple Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1B		
041124-BF-28- Grout 352403344-0028A	Restroom 2107A - Glazed tile, grout & adhesive	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1B		
041124-BF-28- Adhesive 352403344-0028B	Restroom 2107A - Glazed tile, grout & adhesive	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1B		
041124-BF-29- Ceramic Tile 352403344-0029	Restroom 2107A - Ceramic tile & grout	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-29- Grout 352403344-0029A	Restroom 2107A - Ceramic tile & grout	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		

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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
041124-BF-29- Adhesive 352403344-0029B	Restroom 2107A - Ceramic tile & grout	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-30 352403344-0030	Restroom 2107A - Ceramic tile setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-31- Ceramic Tile 352403344-0031	Restroom 2107A - Ceramic tile & grout	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-31- Grout 352403344-0031A	Restroom 2107A - Ceramic tile & grout	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-31- Adhesive 352403344-0031B	Restroom 2107A - Ceramic tile & grout	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-32 352403344-0032	Restroom 2107A - Ceramic tile setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: X1C		
041124-BF-33- Plaster 352403344-0033	Room 1307 - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: M0B		

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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
041124-BF-33- Skim Coat 352403344-0033A	Room 1307 - Plaster Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-34- Plaster 352403344-0034	Room 1307B - Plaster Ceiling	Gray Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
HA: M0B					
041124-BF-34- Skim Coat 352403344-0034A	Room 1307B - Plaster Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-35- Plaster 352403344-0035	Room 1307C - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-35- Skim Coat 352403344-0035A	Room 1307C - Plaster Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-36- Plaster 352403344-0036	Room 1309 - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-36- Skim Coat 352403344-0036A	Room 1309 - Plaster Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					

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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
041124-BF-37- Plaster 352403344-0037	Room 1309B - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-37- Skim Coat 352403344-0037A	Room 1309B - Plaster Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-38- Plaster 352403344-0038	Room 1309C - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-38- Skim Coat 352403344-0038A	Room 1309C - Plaster Ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: M0B					
041124-BF-39- Ceramic Tile 352403344-0039	Room 1309A - Ceramic tile, grout & setting bed	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1D					
041124-BF-39- Grout 352403344-0039A	Room 1309A - Ceramic tile, grout & setting bed	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1D					
041124-BF-39- Bedding 352403344-0039B	Room 1309A - Ceramic tile, grout & setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1D					

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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
041124-BF-40- Ceramic Tile 352403344-0040	Room 1309A - Ceramic tile & grout	Brown/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1D					
041124-BF-40- Grout 352403344-0040A	Room 1309A - Ceramic tile & grout	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1D					
041124-BF-41 352403344-0041	Room 1309A - Ceramic tile setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1D					
041124-BF-42- Ceramic Tile 352403344-0042	Room 1309C - Ceramic tile, grout & setting bed	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1E					
041124-BF-42- Grout 352403344-0042A	Room 1309C - Ceramic tile, grout & setting bed	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1E					
041124-BF-42- Bedding 352403344-0042B	Room 1309C - Ceramic tile, grout & setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1E					
041124-BF-43- Ceramic Tile 352403344-0043	Room 1307C - Ceramic tile & grout	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1E					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
041124-BF-43- Grout 352403344-0043A	Room 1307C - Ceramic tile & grout	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1E					
041124-BF-44 352403344-0044	Room 1307C - Ceramic tile setting bed	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: X1E					
041124-BF-45 352403344-0045	Room 1307 - Chalkboard adhesive - analyze adhesive only	White Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
041124-BF-46 352403344-0046	Room 1307 - Chalkboard adhesive - analyze adhesive only	White Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
041124-BF-47 352403344-0047	Room 1307 - Chalkboard adhesive - analyze adhesive (2) only	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
041124-BF-48 352403344-0048	Room 1307 - Chalkboard adhesive - analyze adhesive (2) only	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

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Project: 202410094 - Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 04/12/2024 2:00 PM

Analysis Date: 04/15/2024 - 04/16/2024

Collected Date: 04/11/2024

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 04/12/2024

Sample Receipt Time: 2:00 PM

Analysis Completed Date: 04/16/2024

Analysis Completed Time: 1:58 PM

Analyst(s):

Daniel Nordland PLM (88)

Samples Reviewed and approved by:

Rachel Travis, 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. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 04/16/2024 14:07:12



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Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

CHAIN OF CUSTODY

Page 1 of 4

Client # 2001 Project # 202410094
Client Saint Paul Public Schools
Address _____

Building Name Hidden River Middle School
Project Name _____
Contact Person _____
Other Information _____

Shaded Areas are for
Laboratory Use Only!

IEA Project Manager Brenda Fischer

Verbal results to _____ Phone, Fax No. or E-Mail _____ TAT (circle) 6 hr 24 hr (48 hr) 72 hr 96 hr Specify

Verbal results relayed to _____ Verbal results relayed by _____ Date _____ Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
041124-BF-1	Gym 1306	Plaster ceiling - SW	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-2	Gym 1306	Plaster ceiling - NW	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-3	Gym 1306	Plaster ceiling - SE	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-4	Media Center	Ceiling tile (1'x1') + adhesive - NE	IIB/WIB	X	☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-5	Media Center	Ceiling tile (1'x1') + adhesive - NW	IIB/WIB	X	☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-6	Media Center	Drywall ceiling - NE		X	☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-7	Media Center	Drywall ceiling - NW		X	☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-8	Cafeteria	Ceiling tile (1'x1') + adhesive NW	IIB/WIB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-9	Cafeteria	Ceiling tile (1'x1') + adhesive W. central	IIB/WIB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-10	Cafeteria	Ceiling tile (1'x1') + adhesive - SW	IIB/WIB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-11	Cafeteria	Plaster ceiling - SW	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-12	Cafeteria	Plaster ceiling - NW	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-13	Cafeteria	Plaster ceiling - W. central	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-14	Roof Access by Elevator	Window glazing compound		X	☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-15	Roof Access by Elevator	Window glazing compound		X	☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____ F/CC. Batch Number: _____ Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>4-11-24</u>	Time <u>7:00am</u>	Delivered by <u>[Signature]</u>	Date <u>4-12-24</u>	Time <u>13:40</u>	Received by lab <u>[Signature]</u>	Date <u>4/12/24</u>	Time <u>2:00pm</u>	Entered by _____	Date _____	Time _____
Received by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____	Analysis by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____

OrderID: 352403344



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CHAIN OF CUSTODY

Page 2 of 3 4

Client # <u>2001</u>	Project # <u>202410094</u>	Building Name <u>Hidden River Middle School</u>	Shaded Areas are for Laboratory Use Only!
Client <u>Saint Paul Public Schools</u>	Project Name _____	Project Manager _____	
Address _____	Contact Person _____	IEA Project Manager <u>Brenda Fischer</u>	
Other Information _____			

Verbal results to _____	Phone, Fax No. or E-Mail _____	TAT (circle) 6 hr 24 hr <u>48 hr</u> 72 hr 96 hr Specify _____
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Verbal results relayed to _____	Verbal results relayed by _____	Date _____	Time _____
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Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
041124-BF-16	Attic By Roof Access	Roofing debris			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-17	Attic By Roof Access	Roofing debris			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-18	Room 1304	Quarry tile			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-19	Room 1304	Quarry tile grout			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-20	Room 1304	Quarry tile setting bed			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-21	K3 Entry	Quarry tile			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-22	K3 Entry	Quarry tile grout			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-23	K3 Entry	Quarry tile setting bed			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-24	Restroom 1202	Ceramic tile, grout + setting bed	XIA		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-25	Restroom 1010A	Ceramic tile + grout	XIA		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-26	Restroom 1010A	Ceramic tile setting bed	XIA		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-27	Restroom 2107A	Glazed tile, grout + adhesive	XIB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-28	Restroom 2107A	Glazed tile, grout + adhesive	XIB		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-29	Restroom 2107A	Ceramic tile + grout	XIC		☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-30	Restroom 2107A	Ceramic tile setting bed	XIC		☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____					FICC. _____		Batch Number: _____		Samples Acceptable? ☐ Yes ☐ No			
Sampled by <u>Brenda Fischer</u>	Date <u>4-11-24</u>	Time <u>7:00am</u>	Delivered by <u>Emm</u>	Date <u>4-12-24</u>	Time <u>13:40</u>	Received by lab	Date	Time	Entered by	Date	Time	
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time	

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CHAIN OF CUSTODY

Page 3 of 4

Client # <u>2001</u>	Project # <u>202410094</u>	Building Name <u>Hidden River Middle School</u>	Shaded Areas are for Laboratory Use Only!
Client <u>Saint Paul Public Schools</u>		Project Name _____	
Address _____	Contact Person _____	IEA Project Manager <u>Brenda Fischer</u>	
Other Information _____			

Verbal results to _____	Phone, Fax No. or E-Mail _____	TAT (circle) 6 hr 24 hr <u>48 hr</u> 72 hr 96 hr Specify _____
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Verbal results relayed to _____	Verbal results relayed by _____	Date _____	Time _____
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Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
041124-BF-31	Restroom 2107A	Ceramic tile + grout	XIC		○	☒	○	○	☒	○		○	○	○
041124-BF-32	Restroom 2107A	Ceramic tile setting bed	XIC		○	☒	○	○	○	☒	○	○	○	○
041124-BF-33	Room 1307	Plaster ceiling	MOB		○	☒	○	○	○	○		○	○	○
041124-BF-34	Room 1307B	Plaster ceiling	MOB		○	☒	○	○	○	○		○	○	○
041124-BF-35	Room 1307C	Plaster ceiling	MOB		○	☒	○	○	○	○		○	○	○
041124-BF-36	Room 1309	Plaster ceiling	MOB		○	☒	○	○	○	○		○	○	○
041124-BF-37	Room 1309B	Plaster ceiling	MOB		○	☒	○	○	○	○		○	○	○
041124-BF-38	Room 1309C	Plaster ceiling	MOB		○	☒	○	○	○	○		○	○	○
041124-BF-39	Room 1309A	Ceramic tile, grout + setting bed	XID	Room 1309A	○	☒	○	○	○	○		○	○	○
041124-BF-40	Room 1309A	Ceramic tile + grout	XID		○	☒	○	○	○	○		○	○	○
041124-BF-41	Room 1309A	Ceramic tile setting bed	XID		○	☒	○	○	○	○		○	○	○
041124-BF-42	Room 1309C	Ceramic tile, grout + setting bed	XIE		○	☒	○	○	○	○		○	○	○
041124-BF-43	Room 1307C	Ceramic tile + grout	XIE		○	☒	○	○	○	○		○	○	○
041124-BF-44	Room 1307C	Ceramic tile setting bed	XIE		○	☒	○	○	○	○		○	○	○
041124-BF-45	Room 1307	Chalkboard adhesive - analyze adhesive only			○	☒	○	○	○	☒	○	○	○	○

The MN Department of Health Alternative Indoor Air Standard for this project is: _____ F/C.C. Batch Number: _____ Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>4-11-24</u>	Time <u>7:00am</u>	Delivered by <u>Eunmo</u>	Date <u>4-12-24</u>	Time <u>13:40</u>	Received by lab	Date	Time	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time

OrderID: 352403344



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Page 4 of 4

Client # <u>2001</u>	Project # <u>202410094</u>	Building Name <u>Hidden River Middle School</u>	Shaded Areas are for Laboratory Use Only!
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Verbal results relayed to _____	Verbal results relayed by _____	Date _____	Time _____
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Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
041124-BF-46	Room 1307	Chalkboard adhesive-analyze adhesive only			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-47	Room 1307	Tackboard adhesive-analyze adhesives (2) only			☐	☒	☐	☐	☒	☐		☐	☐	☐
041124-BF-48	Room 1307	Tackboard adhesive-analyze adhesives (2) only			☐	☒	☐	☐	☒	☐		☐	☐	☐
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EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352402663

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

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Received Date: 03/21/2024 4:20 PM

Analysis Date: 03/22/2024 - 03/23/2024

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	
			% Fibrous	% Non-Fibrous	% Type	
032124-BF-1 Skim Coat 352402663-0001	Dishroom - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-Fibrous (Other)	None Detected	
032124-BF-1 Plaster 352402663-0001A	Dishroom - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-2 Skim Coat 352402663-0002	Room 1302A - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-2 Plaster 352402663-0002A	Room 1302A - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-3 Skim Coat 352402663-0003	Room 1308 Restroom - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-3 Plaster 352402663-0003A	Room 1308 Restroom - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-4 Skim Coat 352402663-0004	Hall 1300A by Stair G - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-4 Plaster 352402663-0004A	Hall 1300A by Stair G - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	
032124-BF-5 Plaster 352402663-0005	Hall 1300 by Stage - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected	

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-Q, Colorado AL-24478

Initial report from: 03/23/2024 09:49:09



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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
032124-BF-6 Skim Coat	Hall 1300A by boys restroom - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-6 Plaster	Hall 1300A by boys restroom - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	<1% Chrysotile
032124-BF-7 Skim Coat	Room 1312 - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-7 Plaster	Room 1312 - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-8	Room 1307 - Plaster Ceiling MOB	White/Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-9 Skim Coat	Hall 1300 by Kitchen - Plaster Ceiling MOB	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-9 Plaster	Hall 1300 by Kitchen - Plaster Ceiling MOB	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-10 Skim Coat	Mech. 2302A - Plaster Ceiling	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
032124-BF-10 Plaster	Mech. 2302A - Plaster Ceiling	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected

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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
032124-BF-11 Skim Coat	Mech. 2302A - Plaster Ceiling	White Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0011					
032124-BF-11 Plaster	Mech. 2302A - Plaster Ceiling	Beige Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0011A					
032124-BF-12	Hall by 2303 - Glass Wall glaze	White/Black Non-Fibrous Homogeneous	96.0%	Non-fibrous (Other)	4% Chrysotile
352402663-0012					
032124-BF-13	Hall by 2303 - Glass Wall glaze	White/Black Non-Fibrous Homogeneous	96.0%	Non-fibrous (Other)	4% Chrysotile
352402663-0013					
032124-BF-14	Stairwell by Media Center - Terrazzo look flooring	Tan Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0014					
032124-BF-15	Stairwell by Media Center - Terrazzo look flooring	Tan Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0015					
032124-BF-16	Media Center - Interior window caulk	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0016					
032124-BF-17	Media Center - Exterior window caulk	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0017					
032124-BF-18	Media Center - Exterior window caulk	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
352402663-0018					

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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
032124-BF-19 352402663-0019	Media Center - Exterior window glaze	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-20 352402663-0020	Media Center - Exterior window glaze	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-21 352402663-0021	Ext. door by 1306 - Interior door caulk	Brown Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-22 352402663-0022	Ext. door by 1306 - Exterior door caulk	Brown Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-23 352402663-0023	1303C - Interior door caulk	Beige Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-24 352402663-0024	1303C - Exterior door caulk	Brown Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-25 352402663-0025	Hall 1299E - Door caulk - East door	Brown Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-26 352402663-0026	Hall 1299E - Door caulk - West door	Brown Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-27 352402663-0027	Hall 2200 - Door caulk/mortar - East door	Gray Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
032124-BF-27 Black 352402663-0027A	Hall 2200 - Door caulk/mortar - East door	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-28 352402663-0028	Hall 2200 - Door caulk - West door	White Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-29 352402663-0029	Cafeteria - Interior window caulk	Beige Non-Fibrous Homogeneous	95.0% Non-fibrous (Other)		5% Chrysotile
032124-BF-30 352402663-0030	Cafeteria - Interior door caulk	Beige Non-Fibrous Homogeneous	95.0% Non-fibrous (Other)		5% Chrysotile
032124-BF-31 352402663-0031	Cafeteria - Exterior door caulk	White Non-Fibrous Homogeneous	97.0% Non-fibrous (Other)		3% Chrysotile
032124-BF-32 352402663-0032	Cafeteria - Exterior window caulk	Beige Non-Fibrous Homogeneous	98.0% Non-fibrous (Other)		2% Chrysotile
032124-BF-33 352402663-0033	Cafeteria - Exterior expansion joint caulk	Gray Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-34 352402663-0034	Cafeteria - Exterior expansion joint caulk	Gray Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
032124-BF-35 352402663-0035	Cafeteria - Exterior brick	Red/Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected

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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	
032124-BF-36 352402663-0036	Cafeteria - Exterior brick	Red/Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
032124-BF-37 352402663-0037	Cafeteria - Exterior brick mortar	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
032124-BF-38 352402663-0038	Cafeteria - Exterior brick mortar	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
032124-BF-39 352402663-0039	Cafeteria - wall tile (1'x1') + adhesive 11BW1B	White Fibrous Homogeneous	95% MinWool	5.0% Non-fibrous (Other)		None Detected
032124-BF-39 Adhesive 352402663-0039A	Cafeteria - wall tile (1'x1') + adhesive 11BW1B	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
032124-BF-40 Ceiling Tile 352402663-0040	Hall 1300 by Stage - Ceiling tile (1'x1') + adhesive 11BW1B	White Fibrous Homogeneous	15% Cellulose 80% MinWool	5.0% Non-fibrous (Other)		None Detected
032124-BF-40 Adhesive 352402663-0040A	Hall 1300 by Stage - Ceiling tile (1'x1') + adhesive 11BW1B	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected
032124-BF-41 Ceiling Tile 352402663-0041	Room 1106 - Ceiling tile (1'x1') + adhesive 11BW1D	Tan/White Fibrous Homogeneous	95% Cellulose	5.0% Non-fibrous (Other)		None Detected
032124-BF-41 Adhesive 352402663-0041A	Room 1106 - Ceiling tile (1'x1') + adhesive 11BW1D	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
032124-BF-42	Room 1302A - Ceiling tile (1'x1') + adhesive	Tan/White Fibrous	95% Cellulose	5.0% Non-fibrous (Other)	None Detected
352402663-0042	11BW1D	Homogeneous			
032124-BF-42	Room 1302A - Ceiling tile (1'x1') + adhesive	Brown		100.0% Non-fibrous (Other)	None Detected
Adhesive	11BW1D	Non-Fibrous Homogeneous			
352402663-0042A					
032124-BF-43	Hall 2200 - Ceiling tile (1'x1') + adhesive	White Fibrous	25% Cellulose 70% MinWool	5.0% Non-fibrous (Other)	None Detected
352402663-0043	11BW1B	Homogeneous			
032124-BF-43	Hall 2200 - Ceiling tile (1'x1') + adhesive	Brown		100.0% Non-fibrous (Other)	None Detected
Adhesive	11BW1B	Non-Fibrous Homogeneous			
352402663-0043A					

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The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 03/21/2024

Sample Receipt Time: 4:20 PM

Analysis Completed Date: 03/23/2024

Analysis Completed Time: 9:45 AM

Analyst(s):

Carla Piche

Amanda Picha PLM (58)

Samples Reviewed and approved by:

Rachel Travis

Rachel Travis, Laboratory Manager
or other approved signatory

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Initial report from: 03/23/2024 09:49:09



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

2663

CHAIN OF CUSTODY

Page 1 of 3

Order ID: 352402663

Client # 2001 Project # 202410094

Building Name Hidden River Middle School

Shaded Areas are for Laboratory Use Only!

Client Saint Paul Public Schools

Project Name

Address

Contact Person Brenda Fischer

Contact Person Phone 763-229-0076

Other Information

Verbal results to

Phone, Fax No. or E-Mail

TAT (circle) 6 hr 1d 2d 3d 4d Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
032124-BF-1	Dishroom	Plaster ceiling	MOB		☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-2	Room 1302A	Plaster ceiling	MOB		☐	☐	☐	☐	☒	☐		☐	☐	☐
032124-BF-3	Room 1308 Restroom	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-4	Hall 1300A by stair G	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-5	Hall 1300 by stage	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-6	Hall 1300A by boys restroom	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-7	Room 1312	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-8	Room 1307	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-9	Hall 1300 by kitchen	Plaster ceiling	MOB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-10	Mech. 2302A	Plaster ceiling			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-11	Mech. 2302A	Plaster ceiling			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-12	Hall by 2302	Glass wall glaze			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-13	Hall by 2302	Glass wall glaze			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-14	Stairwell by Media Center	Terrazzo look flooring			☐	☐	☐	☐	☒	☐		☐	☐	☐
032124-BF-15	Stairwell by Media Center	Terrazzo look flooring			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is:

F/C.C.

Batch Number:

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>3-21-24</u>	Time <u>6:00am</u>	Delivered by <u>[Signature]</u>	Date <u>3-21-24</u>	Time <u>1612</u>	Received by lab <u>[Signature]</u>	Date <u>3-21-24</u>	Time <u>4:20pm</u>	Entered by <u>[Signature]</u>	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by <u>[Signature]</u>	Date	Time	Delivered by	Date	Time



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CHAIN OF CUSTODY

Page 2 of 3

OrderID: 352402663

Client # 2001 Project # 202410094

Building Name Hidden River Middle School

Shaded Areas are for
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Client Saint Paul Public Schools

Project Name

Address

Contact Person Brenda Fischer

Contact Person Phone 763-229-0076

Other Information

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Phone, Fax No. or E-Mail

TAT (circle) 6 hr 1d 2d 3d 4d Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
032124-BF-16	Media Center	Interior window caulk	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-17	Media Center	Exterior window caulk	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-18	Media Center	Exterior window caulk	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-19	Media Center	Exterior window glaze	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-20	Media Center	Exterior window glaze	X		☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-21	Ext. door by 1306	Interior door caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-22	Ext. door by 1306	Exterior door caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-23	1303C	Interior door caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-24	1303C	Exterior door caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-25	Hall 299E	Door caulk - East door			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-26	Hall 299E	Door caulk - West door			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-27	Hall 2200	Door caulk/mortar - East door			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-28	Hall 2200	Door caulk - West door			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-29	Cafeteria	Interior window caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-30	Cafeteria	Interior door caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is:

F/CC.

Batch Number:

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>3-21-24</u>	Time <u>6:00 AM</u>	Delivered by <u>Emm</u>	Date <u>3-21-24</u>	Time <u>1612</u>	Received by lab	Date	Time	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



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CHAIN OF CUSTODY

Page 3 of 3

OrderID: 352402663

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Project Name

Address

Contact Person Brenda Fischer

Contact Person Phone 763-229-0076

Other Information

Verbal results to

Phone, Fax No. or E-Mail

TAT (circle) 6 hr 1d 2d 3d 4d Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEL	Other	MCE	8 um	5um
032124-BF-31	Cafeteria	Exterior door caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
032124-BF-32	Cafeteria	Exterior window caulk			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-33	Cafeteria	Exterior expansion joint caulk ☒			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-34	Cafeteria	Exterior expansion joint caulk ☒			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-35	Cafeteria	Exterior brick ☒			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-36	Cafeteria	Exterior brick ☒			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-37	Cafeteria	Exterior brick mortar ☒			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-38	Cafeteria	Exterior brick mortar ☒			☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-39	Cafeteria	Wall tile (1'x1') + adhesive	IIB/WIB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-40	Hall 1300 by stage	Ceiling tile (1'x1') + adhesive	IIB/WIB		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-41	Room 1106	Ceiling tile (1'x1') + adhesive	IID/WID		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-42	Room 1302A	Ceiling tile (1'x1') + adhesive	IID/WID		☐	☐	☐	☐	☐	☐		☐	☐	☐
032124-BF-43	Hall 2200	Ceiling tile (1'x1') + adhesive	IIB/WIB		☐	☒	☐	☐	☒	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐
					☐	☐	☐	☐	☐	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is:

F/C.C.

Batch Number:

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>3-21-24</u>	Time <u>6:00 AM</u>	Delivered by <u>[Signature]</u>	Date <u>3-21-24</u>	Time <u>1612</u>	Received by lab	Date	Time	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



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EMSL Order: 352402335

Customer ID: IFEA50

Customer PO:

Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment

9201 West Broadway

Suite 600

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Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 03/13/2024 11:40 AM

Analysis Date: 03/14/2024

Collected Date: 03/13/2024

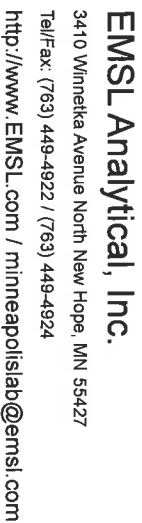
Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
031324-BF-1 Plaster 352402335-0001	Room 2113 - Plaster wall	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: MOA		
031324-BF-1 Skim Coat 352402335-0001A	Room 2113 - Plaster wall	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: MOA		
031324-BF-2 Plaster 352402335-0002	Room 2107 - plaster ceiling	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: MOA		
031324-BF-2 Skim Coat 352402335-0002A	Room 2107 - plaster ceiling	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: MOA		
031324-BF-3 Ceiling Tile 352402335-0003	Room 0209 - ceiling tile (1'x1')+adhesive	White Fibrous Homogeneous	90% MinWool	10.0% Non-fibrous (Other)	None Detected
			HA: 11AW1A		
031324-BF-3 Adhesive 352402335-0003A	Room 0209 - ceiling tile (1'x1')+adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: 11AW1A		
031324-BF-4 352402335-0004	Room 2107 - Ceiling tile (2'x4')	White/Beige Non-Fibrous Homogeneous	70% Cellulose 10% MinWool	20.0% Non-fibrous (Other)	None Detected
			HA: 13A		

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0, Colorado AL-24478

Initial report from: 03/14/2024 13:48:19



EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
Project ID:

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 03/13/2024 11:40 AM

Analysis Date: 03/14/2024

Collected Date: 03/13/2024

**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**

		Non-Asbestos		Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
031324-BF-5 352402335-0005	Room 2109 - Ceiling Tile (2'x2')	White/Silver Fibrous Homogeneous	90% Min/Wool	10.0% Non-fibrous (Other)	None Detected
			HA: 12A		
031324-BF-6 352402335-0006	Room 2110 - Ceiling tile (2'x4')	White/Beige Fibrous Homogeneous	75% Cellulose 10% Min/Wool	15.0% Non-fibrous (Other)	None Detected
			HA: 13A		
031324-BF-7 Ceiling Tile 352402335-0007	Room 2305 - ceiling tile (1'x1')+adhesive	White Fibrous Homogeneous	90% Min/Wool	10.0% Non-fibrous (Other)	None Detected
			HA: 11B/W1B		
031324-BF-7 Adhesive 352402335-0007A	Room 2305 - ceiling tile (1'x1')+adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: 11B/W1B		
031324-BF-8 352402335-0008	Room 1101 - exterior window caulk - original bldg.	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031324-BF-9 352402335-0009	Room 1101 - exterior window glaze - original bldg.	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031324-BF-10 352402335-0010	Room 2305 - interior window glaze - 1964 add.	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031324-BF-11 352402335-0011	Room 2305 - exterior window caulk - 1964 add.	Black Non-Fibrous Homogeneous	3% Synthetic	97.0% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
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<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment
9201 West Broadway
Suite 600

Brooklyn Park, MN 55445

Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 03/13/2024 11:40 AM

Analysis Date: 03/14/2024

Collected Date: 03/13/2024

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
031324-BF-12	Room 2110 - sink	Gray	15% Cellulose	85.0% Non-fibrous (Other)	None Detected
352402335-0012	undercoating - gray	Non-Fibrous			
		Homogeneous			
			HA: VOD		
031324-BF-13	Room 2119 - sink	Pink		93.0% Non-fibrous (Other)	7% Chrysotile
352402335-0013	undercoating - pink	Non-Fibrous			
		Homogeneous			
			HA: VOC		
031324-BF-14	Pipe chase by 2105 -	Black		100.0% Non-fibrous (Other)	None Detected
352402335-0014	black coating on clay tile (analyze black only)	Non-Fibrous			
		Homogeneous			
			HA: VOC		
031324-BF-15	Room 2109 - black	Black		100.0% Non-fibrous (Other)	None Detected
352402335-0015	coating on block (analyze black only)	Non-Fibrous			
		Homogeneous			
			HA: VOC		
031324-BF-16	Staff Restroom by	Black/Beige		100.0% Non-fibrous (Other)	None Detected
352402335-0016	0109 - poured floor	Non-Fibrous			
		Homogeneous			
			HA: VOC		
031324-BF-17	Staff Restroom by	Black/Yellow		100.0% Non-fibrous (Other)	None Detected
352402335-0017	0109 - poured floor	Non-Fibrous			
		Homogeneous			
			HA: VOC		
031324-BF-18 Floor	Room 2305 - floor tile +	Beige		100.0% Non-fibrous (Other)	None Detected
Tile	mastic (12"x12")	Non-Fibrous			
352402335-0018		Homogeneous			
			HA: K2C		
031324-BF-18	Room 2305 - floor tile +	Yellow		100.0% Non-fibrous (Other)	None Detected
Mastic	mastic (12"x12")	Non-Fibrous			
352402335-0018A		Homogeneous			
			HA: K2C		

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-Q, Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



EMSL Analytical, Inc.

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EMSL Order: 352402335
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Attention: Emma Squires-Sperling
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9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 03/13/2024 11:40 AM
Analysis Date: 03/14/2024
Collected Date: 03/13/2024

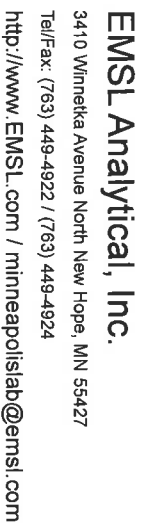
Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	
031324-BF-19 Floor Tile	Room 2305 - floor tile + mastic (12"x12")	Brown Non-Fibrous		100.0% Non-fibrous (Other)	None Detected
352402335-0019	brown accent	Homogeneous			
031324-BF-19 Mastic	Room 2305 - floor tile + mastic (12"x12")	Yellow Non-Fibrous		100.0% Non-fibrous (Other)	None Detected
352402335-0019A	brown accent	Homogeneous			
031324-BF-20 Floor Tile	Room 2303B - floor tile + mastic (12"x12")	Tan Non-Fibrous		100.0% Non-fibrous (Other)	None Detected
352402335-0020		Homogeneous			
031324-BF-20 Mastic	Room 2303B - floor tile + mastic (12"x12")	Black/Yellow Non-Fibrous		93.0% Non-fibrous (Other)	7% Chrysotile
352402335-0020A		Homogeneous			
031324-BF-21 Floor Tile	Room 2119 - floor tile + mastic (12"x12")	Gray Non-Fibrous		98.0% Non-fibrous (Other)	2% Chrysotile
352402335-0021		Homogeneous			
031324-BF-21 Mastic	Room 2119 - floor tile + mastic (12"x12")	Black Non-Fibrous		93.0% Non-fibrous (Other)	7% Chrysotile
352402335-0021A		Homogeneous			
031324-BF-22 Floor Tile	Room 2110 - floor tile + mastic (12"x12")	Beige Non-Fibrous		100.0% Non-fibrous (Other)	None Detected
352402335-0022		Homogeneous			
031324-BF-22 Mastic	Room 2110 - floor tile + mastic (12"x12")	Black/Yellow Non-Fibrous		100.0% Non-fibrous (Other)	None Detected
352402335-0022A		Homogeneous			

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
Project ID:

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

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 03/13/2024 11:40 AM

Analysis Date: 03/14/2024

Collected Date: 03/13/2024

Collected Date: 03/13/2024

**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**

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0, Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 03/13/2024 11:40 AM
Analysis Date: 03/14/2024
Collected Date: 03/13/2024

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
031324-BF-27	Room 0108 - baseboard + adhesive	Yellow		100.0% Non-fibrous (Other)	None Detected
Adhesive	- 6" black	Non-Fibrous			
352402335-0027A		Homogeneous			
031324-BF-28	Room 2303B - baseboard + adhesive	Brown		100.0% Non-fibrous (Other)	None Detected
Baseboard	- 4" tan	Non-Fibrous			
352402335-0028		Homogeneous			
031324-BF-28	Room 2303B - baseboard + adhesive	Black/Yellow		96.0% Non-fibrous (Other)	4% Chrysotile
Adhesive	- 4" tan	Non-Fibrous			
352402335-0028A		Homogeneous			
031324-BF-29	Room 2201 - sidelight	Black		97.0% Non-fibrous (Other)	None Detected
352402335-0029	glaze	Non-Fibrous			
		Homogeneous			
031324-BF-30	Room 2204 - sidelight	Black		3% Cellulose	97.0% Non-fibrous (Other)
352402335-0030	glaze	Non-Fibrous			None Detected
		Homogeneous			
031324-BF-31	Room 2109 - baseboard + adhesive	Brown		100.0% Non-fibrous (Other)	None Detected
Baseboard	- 4" brown	Non-Fibrous			
352402335-0031		Homogeneous			
031324-BF-31	Room 2109 - baseboard + adhesive	Beige		100.0% Non-fibrous (Other)	None Detected
Adhesive	- 4" brown	Non-Fibrous			
352402335-0031A		Homogeneous			
031324-BF-32	Room 2109 - baseboard + adhesive	Brown		100.0% Non-fibrous (Other)	None Detected
Baseboard	- 4" brown	Non-Fibrous			
352402335-0032		Homogeneous			
031324-BF-32	Room 2109 - baseboard + adhesive	Beige		100.0% Non-fibrous (Other)	None Detected
Adhesive	- 4" brown	Non-Fibrous			
352402335-0032A		Homogeneous			

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-Q; Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



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EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
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Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 03/13/2024 11:40 AM
Analysis Date: 03/14/2024
Collected Date: 03/13/2024

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
031324-BF-33 352402335-0033	Room 2111 - carpet adhesive	Yellow Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
031324-BF-34 352402335-0034	Room 2114 - carpet adhesive	Yellow Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
031324-BF-35 352402335-0035	Room 2201 - carpet adhesive	Yellow Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
031324-BF-36 352402335-0036	Room 2204 - carpet adhesive	Yellow Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
031324-BF-37 352402335-0037	Room 0107 - chalkboard adhesive -dk brown only	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
HA: X0C					
031324-BF-38 352402335-0038	Room 2302 - chalkboard adhesive - wood frame 1964 white only	White Non-Fibrous Homogeneous	98.0%	Non-fibrous (Other)	2% Chrysotile
031324-BF-39 352402335-0039	Room 0207 - tackboard adhesive - analyze adhesives only	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
HA: X0D					
031324-BF-40 352402335-0040	Room 2302 - tackboard adhesive - silver metal frame	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected
031324-BF-41 352402335-0041	Room 2305 - tackboard adhesive - wood frame	Brown Non-Fibrous Homogeneous	100.0%	Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-Q, Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



EMSL Analytical, Inc.

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Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 03/13/2024 11:40 AM
Analysis Date: 03/14/2024
Collected Date: 03/13/2024

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
031324-BF-42	Room 2114 - tackboard	Brown		100.0% Non-fibrous (Other)	None Detected
352402335-0042	adhesive - analyze adhesives only	Non-Fibrous Homogeneous			
HA: X01					

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-q; Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



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EMSL Order: 352402335
Customer ID: IFEA50
Customer PO:
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Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202410094 Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 03/13/2024 11:40 AM
Analysis Date: 03/14/2024
Collected Date: 03/13/2024

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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:	03/13/2024	Sample Receipt Time:	11:40 AM
Analysis Completed Date:	03/14/2024	Analysis Completed Time:	1:47 PM

Analyst(s):

Amanda Picha

Amanda Picha PLM (59)

Rachel Travis

Rachel Travis, Laboratory Manager
or other approved signatory

Samples Reviewed and approved by:

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0, Colorado AL-24478

Initial report from: 03/14/2024 13:49:19



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

2335

CHAIN OF CUSTODY

Page 1 of 3

Order ID: 352402335

Client # 2001 Project # 202410094
Client Saint Paul Public Schools
Address _____

Building Name Hidden River Middle School
Project Name _____
Contact Person _____
Other Information _____

Shaded Areas are for
Laboratory Use Only!

IEA Project Manager Brenda Fischer

Verbal results to _____ Phone, Fax No. or E-Mail _____ TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify _____

Verbal results relayed to _____ Verbal results relayed by _____ Date _____ Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	8 um	5um
X 031324-BF-1	Room 2113	Plaster wall	MOA		☐	☒	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-2	Room 2107	Plaster ceiling	MOA		☐	☐	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-3	Room 2209	Ceiling tile (1'x1') + adhesive	IA/WIA		☐	☐	☐	☐	☒	☐		☐	☐	☐
031324-BF-4	Room 2107	Ceiling tile (2'x4')	I3A		☐	☐	☐	☐	☒	☐		☐	☐	☐
031324-BF-5	Room 2109	Ceiling tile (2'x2')	I2A		☐	☐	☐	☐	☒	☐		☐	☐	☐
031324-BF-6	Room 2110	Ceiling tile (2'x4')	I3A		☐	☐	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-7	Room 2305	Ceiling tile (1'x1') + adhesive	I1B/W1B		☐	☐	☐	☐	☒	☐		☐	☐	☐
Y 031324-BF-8	Room 1101	Exterior window caulk - original bldg.			☐	☐	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-9	Room 1101	Exterior window glaze - original bldg.			☐	☐	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-10	Room 2305	Interior window glaze - 1964 Add.			☐	☐	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-11	Room 2305	Exterior window caulk - 1964 Add.			☐	☐	☐	☐	☒	☐		☐	☐	☐
031324-BF-12	Room 2110	Sink undercoating - gray	VOD		☐	☐	☐	☐	☒	☐		☐	☐	☐
031324-BF-13	Room 2119	Sink undercoating - pink	VOC		☐	☐	☐	☐	☒	☐		☐	☐	☐
Y 031324-BF-14	Pipe chase by 2105	Black coating on clay tile > analyze black only			☐	☒	☐	☐	☒	☐		☐	☐	☐
X 031324-BF-15	Room 2109	Black coating on block			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____ F/CC. Batch Number: _____ Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>3-13-24</u>	Time <u>6:00am</u>	Delivered by <u>Branden Veigt</u>	Date <u>3/13/24</u>	Time _____	Received by lab <u>[Signature]</u>	Date <u>3/13/24</u>	Time <u>11:40</u>	Entered by _____	Date _____	Time _____
Received by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____	Analysis by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____

WT



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

2335

CHAIN OF CUSTODY

Page 2 of 3

Order ID: 352402335

Client # 2001 Project # 2024 10094

Building Name Hidden River Middle School

Shaded Areas are for
Laboratory Use Only!

Client Saint Paul Public Schools

Project Name

Address

Contact Person

IEA Project Manager Brenda Fischer

Other Information

Verbal results to

Phone, Fax No. or E-Mail

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	8 um	45 um
031324-BF-16	Staff Restroom by 0109	Poured floor			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-17	Staff Restroom by 0109	Poured floor			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-18	Room 2305	Floor tile + mastic (12" x 12")	K2C		☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-19	Room 2305	Floor tile + mastic (12" x 12") brown accent			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-20	Room 2303B	Floor tile + mastic (12" x 12")	K2C		☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-21	Room 2119	Floor tile + mastic (12" x 12")	K2A		☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-22	Room 2110	Floor tile + mastic (12" x 12")	K2C		☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-23	Room 2115	Floor tile + mastic (12" x 12")			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-24	Room 2115	Floor tile + mastic (12" x 12")			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-25	Room 2305	Baseboard + adhesive - 4" brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-26	Room 2108	Baseboard + adhesive - 6" black			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-27	Room 2108	Baseboard + adhesive - 6" black			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-28	Room 2303B	Baseboard + adhesive - 4" tan			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-29	Room 2201	Sidelight glaze			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-30	Room 2204	Sidelight glaze			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is:

F/CC.

Batch Number:

Samples Acceptable? ☐ Yes ☐ No

Sampled by	Date	Time	Delivered by	Date	Time	Received by lab	Date	Time	Entered by	Date	Time
Brenda Fischer	3-13-24	6:00am									
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

2335

CHAIN OF CUSTODY

Page 3 of 3

Order ID: 352402335

Client # 2001 Project # 202410094 Building Name Hidden River Middle School
Client Saint Paul Project Name _____
Address _____ Contact Person _____ IEA Project Manager Brenda Fischer
Other Information _____

Shaded Areas are for
Laboratory Use Only!

Verbal results to _____ Phone, Fax No. or E-Mail _____ TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to _____

Verbal results relayed by _____

Date _____

Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
031324-BF-31	Room 2109	Baseboard + adhesive - 4" brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-32	Room 2109	Baseboard + adhesive - 4" brown			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-33	Room 2111	Carpet adhesive			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-34	Room 2114	Carpet adhesive			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-35	Room 2201	Carpet adhesive			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-36	Room 2204	Carpet adhesive			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-37	Room 2107	Chalkboard adhesive - dk brown only	XOC		☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-38	Room 2302	Chalkboard adhesive - wood frame 1964 - white only			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-39	Room 0207	Tackboard adhesive - analyze adhesives only	XOD		☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-40	Room 2302	Tackboard adhesive - silver metal frame			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-41	Room 2305	Tackboard adhesive - wood frame			☐	☒	☐	☐	☒	☐		☐	☐	☐
031324-BF-42	Room 2114	Tackboard adhesive - analyze adhesives only	XOI		☐	☒	☐	☐	☒	☐		☐	☐	☐
					☐	☒	☐	☐	☒	☐		☐	☐	☐
					☐	☒	☐	☐	☒	☐		☐	☐	☐
					☐	☒	☐	☐	☒	☐		☐	☐	☐
					☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____

F/C/C

Batch Number: _____

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>3-13-24</u>	Time <u>6:00am</u>	Delivered by	Date	Time	Received by lab	Date	Time	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time



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Received Date: 03/08/2024 4:25 PM
Analysis Date: 03/12/2024
Collected Date: 03/07/2024

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
030724-BF-1	Mech 0104 - Gray duct	Gray	12% Synthetic	84.0% Non-fibrous (Other)	4% Chrysotile
352402204-0001	caulk	Non-Fibrous			
		Homogeneous			
030724-BF-2	Mech 0104 - Gray duct	Gray	12% Synthetic	84.0% Non-fibrous (Other)	4% Chrysotile
352402204-0002	caulk	Non-Fibrous			
		Homogeneous			
030724-BF-3- Cloth	Mech 0104 - Duct	Tan		100.0% Non-fibrous (Other)	None Detected
352402204-0003	vibration cloth	Fibrous			
		Homogeneous			
			HA: L0A		
030724-BF-3- Gray	Mech 0104 - Duct	Gray		100.0% Non-fibrous (Other)	None Detected
Coating	vibration cloth	Non-Fibrous			
352402204-0003A		Homogeneous			
			HA: L0A		
030724-BF-4-	Mech 0104 - Duct	Tan	98% MinWool	2.0% Non-fibrous (Other)	None Detected
Insulation	Insulation - thick black	Fibrous			
352402204-0004	layer	Homogeneous			
			HA: F2A		
030724-BF-4- Tar	Mech 0104 - Duct	Black		100.0% Non-fibrous (Other)	None Detected
352402204-0004A	Insulation - thick black	Non-Fibrous			
	layer	Homogeneous			
			HA: F2A		
030724-BF-4-	Mech 0104 - Duct	Brown	90% Cellulose	10.0% Non-fibrous (Other)	None Detected
Brown Felt	Insulation - thick black	Fibrous			
352402204-0004B	layer	Homogeneous			
			HA: F2A		
030724-BF-5	Mech 0104 - Duct	Brown/Black	50% Cellulose	50.0% Non-fibrous (Other)	None Detected
352402204-0005	Insulation - thin black	Fibrous			
	layer	Homogeneous			
			HA: F2B		

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-Q, Colorado AL-24478

Initial report from: 03/12/2024 15:38:53



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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030724-BF-6 352402204-0006	0103C - Black dampproofing	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030724-BF-7 352402204-0007	0103C - Black dampproofing	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
030724-BF-8 352402204-0008	0201A - Ceiling tile (2'x4')	Gray/White Fibrous Homogeneous	40% Cellulose 40% MinWool	15% Perlite 5.0% Non-fibrous (Other)	None Detected
HA: 13B					
030724-BF-9- Ceiling Tile 352402204-0009	0202 - Ceiling tile (1'x1') & adhesive	White Fibrous Homogeneous	80% MinWool	20.0% Non-fibrous (Other)	None Detected
HA: 11AW1A					
030724-BF-9- Adhesive 352402204-0009A	0202 - Ceiling tile (1'x1') & adhesive	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: 11AW1A					
030724-BF-10- Floor Tile 352402204-0010	0100 - Floor tile (2'x2') & adhesive	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: K3A					
030724-BF-10- Adhesive 352402204-0010A	0100 - Floor tile (2'x2') & adhesive	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
HA: K3A					
030724-BF-10- 352402204-0010B	0100 - Floor tile (2'x2') & adhesive	Gray Non-Fibrous Homogeneous	5% Cellulose	95.0% Non-fibrous (Other)	None Detected
HA: K3A					

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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 % Type
			% Fibrous	% Non-Fibrous	
030724-BF-11- Floor Tile 352402204-0011	0100 - Floor tile (2'x2') & adhesive	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: K3A		
030724-BF-11- Adhesive 352402204-0011A	0100 - Floor tile (2'x2') & adhesive	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
			HA: K3A		
030724-BF-11- Filler 352402204-0011B	0100 - Floor tile (2'x2') & adhesive	Gray Non-Fibrous Homogeneous	5% Cellulose	95.0% Non-fibrous (Other)	None Detected
			HA: K3A		
030724-BF-12- Ceiling Tile 352402204-0012	Gym 1306 - Ceiling tile (1'x1') & adhesive - darker brown	Gray Fibrous Homogeneous	50% Cellulose 40% MinWool	5% Perlite 5.0% Non-fibrous (Other)	None Detected
			HA: 11BW1B		
030724-BF-12- Adhesive 352402204-0012A	Gym 1306 - Ceiling tile (1'x1') & adhesive - darker brown	Brown Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
			HA: 11BW1B		
030724-BF-13- Ceiling Tile 352402204-0013	Gym 1306 - Ceiling tile (1'x1') & adhesive - darker brown	Gray Fibrous Homogeneous	50% Cellulose 40% MinWool	5% Perlite 5.0% Non-fibrous (Other)	None Detected
			HA: 11BW1B		
030724-BF-13- Adhesive 352402204-0013A	Gym 1306 - Ceiling tile (1'x1') & adhesive - darker brown	Brown Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	3% Chrysotile
			HA: 11BW1B		

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Sample	Description	Appearance	Non-Asbestos			Asbestos	
			% Fibrous	% Non-Fibrous		% Type	
030724-BF-14- Ceiling Tile 352402204-0014	Gym 1306 - Ceiling tile (1'x1') & adhesive - lighter brown	Gray Fibrous Homogeneous	25% Cellulose 70% MinWool	5.0% Non-fibrous (Other)		None Detected	
			HA: 11BW1B				
030724-BF-14- Adhesive 352402204-0014A	Gym 1306 - Ceiling tile (1'x1') & adhesive - lighter brown	Brown Non-Fibrous Homogeneous	3% Fibrous_Other	97.0% Non-fibrous (Other)		<1% Anthrophyllite	
			HA: 11BW1B				
030724-BF-15- Ceiling Tile 352402204-0015	Gym 1306 - Ceiling tile (1'x1') & adhesive - lighter brown	Gray Fibrous Homogeneous	25% Cellulose 70% MinWool	5.0% Non-fibrous (Other)		None Detected	
			HA: 11BW1B				
030724-BF-15- Adhesive 352402204-0015A	Gym 1306 - Ceiling tile (1'x1') & adhesive - lighter brown	Brown Non-Fibrous Homogeneous	3% Fibrous_Other	97.0% Non-fibrous (Other)		<1% Anthrophyllite	
			HA: 11BW1B				
030724-BF-16- Layer 352402204-0016	Room 3116 - Plaster wall	Tan Non-Fibrous Homogeneous		10% Mica 90.0% Non-fibrous (Other)		None Detected	
			HA: MOA				
030724-BF-16- White Layer 352402204-0016A	Room 3116 - Plaster wall	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)		None Detected	
			HA: MOA				
030724-BF-17- Tackboard 352402204-0017	Room 3103 - Tackboard adhesive (thin silver frame)	Brown Fibrous Homogeneous	95% Cellulose	5.0% Non-fibrous (Other)		None Detected	
			HA: X0Q				

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030724-BF-17- Adhesive	Room 3103 - Tackboard adhesive (thin silver frame)	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0017A			HA: X0Q		
030724-BF-18- Tackboard	Room 3116 - Tackboard adhesive (wood frame)	Brown Fibrous Homogeneous	95% Cellulose	5.0% Non-fibrous (Other)	None Detected
352402204-0018					
030724-BF-18- Adhesive	Room 3116 - Tackboard adhesive (wood frame)	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0018A			HA: X01		
030724-BF-19	Room 3101 - Ceiling tile (2'x4')	Gray/White Fibrous Homogeneous	70% Cellulose 10% MinWool	15% Perlite 5.0% Non-fibrous (Other)	None Detected
352402204-0019			HA: 13C		
030724-BF-20	Room 3110 - Ceiling tile (2'x2')	Tan/White/Silver Fibrous Heterogeneous	5% Cellulose 75% MinWool	20.0% Non-fibrous (Other)	None Detected
352402204-0020					
030724-BF-21- Baseboard	3rd Floor Hall - Baseboard - brown 3" & adhesive on lockers	Brown/Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0021			HA: 12A		
030724-BF-21- Adhesive	3rd Floor Hall - Baseboard - brown 3" & adhesive on lockers	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0021A					
030724-BF-22- Baseboard	3rd Floor Hall - Baseboard - brown 3" & adhesive on lockers	Brown/Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0022					

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Sample	Description	Appearance	% Fibrous		% Type
			Non-Asbestos	Non-Fibrous	
030724-BF-22- Adhesive	3rd Floor Hall - Baseboard - brown 3" & adhesive on lockers	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0022A					
030724-BF-23	Room 3105 - Poured floor - terrazzo look	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0023					
030724-BF-24- Tile	Room 3111 - Poured floor - terrazzo look	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0024					
030724-BF-24- Filler	Room 3111 - Poured floor - terrazzo look	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0024A					
030724-BF-25- Flooring	Hall 3100 - Floor tile (20"x20") - backing - adhesive	Tan/White Fibrous Heterogeneous	10% Synthetic	90.0% Non-fibrous (Other)	None Detected
352402204-0025					
		HA: K3B			
030724-BF-25- Adhesive	Hall 3100 - Floor tile (20"x20") - backing - adhesive	Tan/Clear Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0025A					
		HA: K3B			
030724-BF-26- Floor Tile	Room 3110 - Floor tile (12"x12") & mastic	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0026					
		HA: K2B			
030724-BF-26- Mastic	Room 3110 - Floor tile (12"x12") & mastic	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
352402204-0026A					
		HA: K2B			

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030724-BF-27- Baseboard 352402204-0027	Room 3110 - Baseboard - 4" beige & adhesive	Beige Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-27- Adhesive 352402204-0027A	Room 3110 - Baseboard - 4" beige & adhesive	Yellow Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-28- Baseboard 352402204-0028	Room 3110 - Baseboard - 4" beige & adhesive	Beige Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-28- Adhesive 352402204-0028A	Room 3110 - Baseboard - 4" beige & adhesive	Yellow Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-29 352402204-0029	Room 3114 - Exterior window caulk	Brown Non-Fibrous Homogeneous	10% Synthetic 90.0% Non-fibrous (Other)		None Detected
030724-BF-30 352402204-0030	Room 3114 - Exterior window glaze	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-31 352402204-0031	Room 3114 - Black science sink	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-32 352402204-0032	Room 3103 - Black science sink	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected
030724-BF-33 352402204-0033	Room 3103 - Black science sink	Black Non-Fibrous Homogeneous	100.0% Non-fibrous (Other)		None Detected

HA: J3C

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-0, Colorado AL-24478

Initial report from: 03/12/2024 15:38:53



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352402204
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling
Inst. For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Project: 202410094 - Saint Paul Public Schools - Hidden River Middle School

Phone: (763) 315-7927
Fax: (763) 315-7920
Received Date: 03/08/2024 4:25 PM
Analysis Date: 03/12/2024
Collected Date: 03/07/2024

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
030724-BF-34	Room 3110 - Black science countertop	Black	100.0%	Non-fibrous (Other)	None Detected
352402204-0034		Non-Fibrous			
		Homogeneous			
030724-BF-35	Room 3110 - Black science countertop	Black	100.0%	Non-fibrous (Other)	None Detected
352402204-0035		Non-Fibrous			
		Homogeneous			

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Samples analyzed by EMSL Analytical, Inc. New Hope, MN NVLAP Lab Code 200019-Q, Colorado AL-24478

Initial report from: 03/12/2024 15:38:53



EMSL Analytical, Inc.

3410 Winnetka Avenue North New Hope, MN 55427
Tel/Fax: (763) 449-4922 / (763) 449-4924
<http://www.EMSL.com> / minneapolislab@emsl.com

EMSL Order: 352402204
Customer ID: IFEA50
Customer PO:
Project ID:

Attention: Emma Squires-Sperling

Inst. For Environmental Assessment
9201 West Broadway
Suite 600

Brooklyn Park, MN 55445

Project: 202410094 - Saint Paul Public Schools - Hidden River Middle School

Phone: (763) 315-7927

Fax: (763) 315-7920

Received Date: 03/08/2024 4:25 PM

Analysis Date: 03/12/2024

Collected Date: 03/07/2024

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. 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: 03/08/2024

Sample Receipt Time: 4:25 PM

Analysis Completed Date: 03/12/2024

Analysis Completed Time: 3:34 PM

Analyst(s):

Daniel Nordland PLM (57)

Rachel Travis, Laboratory Manager
or other approved signatory

Samples Reviewed and approved by:

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/M4-92-020 "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. New Hope, MN NVLAP Lab Code 200019-0; Colorado AL-24478

Initial report from: 03/12/2024 15:38:53



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CHAIN OF CUSTODY

Page 1 of 3

352402204

Client # 2001 Project # 202410094
Client Saint Paul Public Schools
Address _____

Building Name Hidden River Middle School
Project Name _____
Contact Person _____
Other Information _____

Shaded Areas are for
Laboratory Use Only!

IEA Project Manager Brenda Fischer

Verbal results to

Phone, Fax No. or E-Mail

TAT (circle) 6 hr 24 hr 48 hr 72 hr 96 hr Specify

Verbal results relayed to

Verbal results relayed by

Date

Time

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____

Matrix type

Analysis requested

Filter type

Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
030724-BF-1	Mech. 0104	Gray duct caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-2	Mech. 0104	Gray duct caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-3	Mech. 0104	Duct vibration cloth	LOA		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-4	Mech. 0104	Duct Insulation - thick black layer	F2A		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-5	Mech. 0104	Duct Insulation thin black layer	F2B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-6	0103C	Black dampproofing > analyze			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-7	0103C	Black dampproofing black only			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-8	0201A	Ceiling tile (2'x4')	I3B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-9	0202	Ceiling tile (1'x1') + adhesive	I1A/W1A		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-10	0100	Floor tile (2'x2') + adhesive	K3A		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-11	0100	Floor tile (2'x2') + adhesive	K3A		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-12	Gym 1306	Ceiling tile (1'x1') + adhesive - darker brown	I1B/W1B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-13	Gym 1306	Ceiling tile (1'x1') + adhesive - darker brown	I1B/W1B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-14	Gym 1306	Ceiling tile (1'x1') + adhesive - lighter brown	I1B/W1B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-15	Gym 1306	Ceiling tile (1'x1') + adhesive - lighter brown	I1B/W1B		☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____

F/C/C

Batch Number: _____

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>Brenda Fischer</u>	Date <u>3-7-24</u>	Time <u>6:00am</u>	Delivered by <u>Emmott</u>	Date <u>3-8-24</u>	Time <u>16:32</u>	Received by lab <u>Chris</u>	Date <u>3/8/24</u>	Time <u>4:25</u>	Entered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time

OrderID: 352402204

WD



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Brooklyn Park, MN 55445
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CHAIN OF CUSTODY

Page 2 of 3

Client # <u>2001</u>	Project # <u>202410094</u>	Building Name <u>Hidden River Middle School</u>	Shaded Areas are for Laboratory Use Only!
Client <u>Saint Paul Public Schools</u>	Project Name _____	Project Name _____	
Address _____	Contact Person _____	IEA Project Manager <u>Brenda Fischer</u>	
Other Information _____			

Verbal results to _____	Phone, Fax No. or E-Mail _____	TAT (circle) 6 hr 24 hr <u>48 hr</u> 72 hr 96 hr Specify _____
Verbal results relayed to _____	Verbal results relayed by _____	Date _____ Time _____

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____					Matrix type			Analysis requested				Filter type		
Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
030724-BF-16	Room 3116	Plaster wall	MOA		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-17	Room 3103	Tackboard adhesive (thin silver frame)	XOQ		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-18	Room 3116	Tackboard adhesive (wood frame)	XOI		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-19	Room 3101	Ceiling tile (2'x4')	I3C		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-20	Room 3110	Ceiling tile (2'x2')	I2A		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-21	3rd Floor Hall	Baseboard - brown 3" on lockers			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-22	3rd Floor Hall	Baseboard - brown 3" on lockers			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-23	Room 3105	Poured floor - terrazzo look			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-24	Room 3111	Poured floor - terrazzo look			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-25	Hall 3100	Floortile (20"x20") - backing - adhesive	K3B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-26	Room 3110	Floortile (12"x12") + mastic	K2B		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-27	Room 3110	Baseboard - 4" beige + adhesive			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-28	Room 3110	Baseboard - 4" beige + adhesive			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-29	Room 3114	Exterior window caulk			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-30	Room 3114	Exterior window glaze			☐	☒	☐	☐	☒	☐		☐	☐	☐

The MN Department of Health Alternative Indoor Air Standard for this project is: _____ F/CC.					Batch Number: _____					Samples Acceptable? ☐ Yes ☐ No				
Sampled by <u>Brenda Fischer</u>	Date <u>3-7-24</u>	Time <u>10:00am</u>	Delivered by <u>Emma</u>	Date <u>3-8-24</u>	Time <u>16:32</u>	Received by lab	Date	Time	Entered by	Date	Time	Delivered by	Date	Time
Received by	Date	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by	Date	Time	Delivered by	Date	Time



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CHAIN OF CUSTODY

Page 3 of 3

Client # <u>2001</u>		Project # <u>202410094</u>		Building Name <u>Hidden River Middle School</u>		Shaded Areas are for Laboratory Use Only!								
Client <u>Saint Paul Public Schools</u>		Project Name _____		Contact Person _____										
Address _____		IEA Project Manager <u>Brenda Fischer</u>		Other Information _____										
Verbal results to _____		Phone, Fax No. or E-Mail _____		TAT (circle) 6 hr 24 hr <u>48 hr</u> 72 hr 96 hr Specify										
Verbal results relayed to _____		Verbal results relayed by _____		Date _____		Time _____								
Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other _____						Matrix type		Analysis requested		Filter type				
Sample #	Work Area or Phase #	Sample Description/Location	Sample type or Material code	Volume	Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
030724-BF-31	Room 3114	Black science sink	J3C		☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-32	Room 3103	Black science sink			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-33	Room 3103	Black science sink			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-34	Room 3110	Black science countertop			☐	☒	☐	☐	☒	☐		☐	☐	☐
030724-BF-35	Room 3110	Black science countertop			☐	☒	☐	☐	☒	☐		☐	☐	☐
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