



EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854
Tel/Fax: (732) 981-0550 /
<http://www.EMSL.com> / piscatawaylab@emsl.com

EMSL Order: 051801094
Customer ID: MCCA77
Customer PO:
Project ID:

Attention: John Chiaviello
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Suite 6
Lyndhurst, NJ 07071
Phone: (201) 438-4839
Fax: (201) 438-1798
Received Date: 03/14/2018 17:20 PM
Analysis Date: 03/15/2018
Collected Date: 03/14/2018
Project: 18-03475/Woodbridge Township Education Assoc, Indiana Avenue School-Limited Asbestos Inspection, 256
Indiana Avenue, Iselin, New Jersey 08830

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
01 051801094-0001	Room 1	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
02 051801094-0002	Room 1	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
03 051801094-0003	Room 1	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
04 051801094-0004	Room 1	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
05 051801094-0005	Room 1	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046

Analyst(s)

Kurt Carlson (5)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in both structures/cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel are not the responsibility of EMSL and are not covered by the laboratory's NVLAP accreditation. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from: 03/15/2018 14:33 PM



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031805884
Customer ID: MCCA77
Customer PO: 18-03475
Project ID:


Attention: Data
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Suite 6
Lyndhurst, NJ 07071
Project: 18-03475/ INDIANA AVENUE SCHOOL LIMITED ASBESTOS INSP./ INDIANA AVENUE SCHOOL/ 256 INDIANA AVENUE, ISELIN, NEW JERSEY 08830

Phone: (201) 438-4839
Fax: (201) 438-1798
Received Date: 03/15/2018 10:27 AM
Analysis Date: 03/16/2018
Collected Date: 03/14/2018

Test Report: Asbestos Analysis via Transmission Electron Microscopy ASTM Method D5755

Sample ID	Area Sampled (cm ²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm ²)	Concentration (str/cm ²)	Comments
D-01 031805884-0001	100	None Detected	<3	201	<603	
D-02 031805884-0002	100	Chrysotile	<3	201	<603	
D-03 031805884-0003	100	Chrysotile	3	201	603	
D-04 031805884-0004	100	Chrysotile	7	201	1410	
D-05 031805884-0005	100	Chrysotile	3	201	603	
D-06 031805884-0006	100	None Detected	<3	201	<603	Blank

Analyst(s): _____
Muhsin Parson (6)



James Hall, Laboratory Manager
or other approved signatory

The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. New York, NY

Initial report from: 03/16/2018 08:30:13

MCCABE ENVIRONMENTAL SERVICES, L.L.C.

464 VALLEY BROOK AVE, LYNDHURST NJ 07071 • PHONE: (201)438-4839 FAX: (201)438-1798

031805884

ASBESTOS DUST SAMPLE CHAIN-OF-CUSTODY FORM

CLIENT NAME: **Woodbridge Township Education Association** SITE ADDRESS: 256 Indiana Avenue, Iselin, New Jersey 08830

PROJECT NAME: Indiana Avenue School Limited Asbestos Insp. PROJECT LOCATION: Indiana Avenue School

Air Sampling Technician(s): Turnaround Requested: 24-HR. 72 HR. X 1 Week Other
 M.E.S. Project #: 18-03475 Sample Date: ~~03/03/18~~ 3/14/18 ANALYSIS REQUESTED: MICROVAC ASTM D 5755

Lab ID	Sample ID	Sample Location	Sample Type	Liters (L)/Min.	Total Time Mins.	Area Sampled	Total Area Sampled
	D-01	Media Center Backshelf	Dust	2	2	10cm x 10cm	100 cm ²
	D-02	Room 21 Above Suspended Ceiling	Dust	2	2	10cm x 10cm	100 cm ²
	D-03	Room 8 Above Suspended Ceiling	Dust	2	2	10cm x 10cm	100 cm ²
	D-04	Room 6 Above Suspended Ceiling	Dust	2	2	10cm x 10cm	100 cm ²
	D-05	Room 2 Above Suspended Ceiling	Dust	2	2	10cm x 10cm	100 cm ²
	D-06	Blank	Blank	-	-	10cm x 10cm	100 cm ²

EMSL MANHATTAN LAB RECEIVED

18 MAR 15 AM 10:27

RECEIVED

BY ~~EMSL PISCATAWAY~~
 MAR 14 2018 5:16 PM

Relinquished by (Print) *Thomas Heller* Date: 3/14/18 Time: ~~5:16 PM~~
 Signature: *Thomas Heller* Received by: (Print) *H. T. KSTYS* Date: 3/15/18 Time: ~~10:27 AM~~
 Relinquished by (Print) _____ Date: _____ Time: _____
 Signature: _____ Received by: (Print) _____ Date: _____ Time: _____

Please email results to the following: data@mccabeenv.com
 Shipping Method: Hand Deliver: FedEx# _____

NJ Certified WBE/SBE/DBE
M. K. P. 3/16/18 8:12 AM



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com> / manhattanlab@emsl.com


EMSL Order: 031805888
Customer ID: MCCA77
Customer PO: 18-03475
Project ID:

Attention: McCabe Environmental Services, LLC
464 Valley Brook Avenue
Suite 6
Lyndhurst, NJ 07071
Phone: (201) 438-4839
Fax: (201) 438-1798
Received Date: 03/15/2018 10:27 AM
Analysis Date: 03/16/2018
Collected Date: 03/14/2018
Project: 18-03475/ WOODBRIDGE TOWNSHIP EDUCATION ASSOCIATION/ 256 INDIANA AVE. ISELIN, NJ 08830

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm ²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm ²)	Concentration (str/cm ²)	Comments
DW-01 031805888-0001	100	None Detected	<2.99	1680	<5020	
DW-02 031805888-0002	100	None Detected	<2.99	5030	<15000	
DW-03 031805888-0003	100	None Detected	<2.99	1680	<5020	
DW-04 031805888-0004	100	None Detected	<2.99	5030	<15000	
DW-05 031805888-0005	100	None Detected	<2.99	1680	<5020	
DW-06 031805888-0006	100	None Detected	<2.99	1680	<5020	Blank

Analyst(s):
Steven Li (6)


James Hall, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY

Initial report from: 03/16/2018 08:38:52

031805888

MCCABE ENVIRONMENTAL SERVICES, L.L.C.

464 VALLEY BROOK AVE, LYNDBURST NJ 07071 • PHONE: (201)438-4839 FAX: (201)438-1798

ASBESTOS DUST WIPE-SAMPLE CHAIN-OF-CUSTODY FORM

CLIENT NAME: Woodbridge Township Education Association
 SITE ADDRESS: 256 Indiana Ave. Iselin, NJ
 Off 30

ASBESTOS INSPECTOR NAME: Tom Heiter + Gary Clare
 Turnaround Requested: 6-HR 12-HR 24-HR Other
 VIA ASTM D6480

MES PROJECT #: 18-03475
 Sample Date: 3/14/18

Sample Type: Wipe **(TUB)**
 Please report results in: $\mu\text{s/cm}^2$

Lab ID	Sample ID	Sample Location	Sample Type	Area Sampled	Results
DW-01	Room 10 Above Suspended Ceiling	WIPE	10cm x 10cm		
DW-02	Room 7 Above Suspended Ceiling	WIPE	10cm x 10cm		
DW-03	Room 5 Above Suspended Ceiling	WIPE	10cm x 10cm		
DW-04	Room 4 Above Suspended Ceiling	WIPE	10cm x 10cm		
DW-05	Room 3 Above Suspended Ceiling	WIPE	10cm x 10cm		
DW-06	Blank	Blank	- x -		
			x		
			x		
			x		
			x		
			x		

EMSL MANHATTAN LA.
 RECEIVED
 18 MAR 15 AM

Relinquished by (Print) Thomas Heiter
 Signature: *Tom Heiter*
 Date: 3/14/18
 Time: 5:27 PM

Received by (Print) JUDAKESYS
 Signature: *JUDAKESYS*
 Date: 3/15/18
 Time: 10:21 AM

Relinquished by (Print)
 Signature:
 Date:
 Time:

RECEIVED

Laboratory Analysis Performed by (Analyst Signature, Laboratory Name & Location):
 STEPHEN ZILBER / EMSL / NYNY 3-16-18
 Date: MAR 16 2018
 Time: 5:16 PM

Please email results to the following: data@mccabeenv.com

BY: *[Signature]*
 EMSL PISCATAWAY

Client Requested
 Samples back 3/14/18
 5:20 PM



EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854
Tel/Fax: (732) 981-0550 / (732) 981-0551
<http://www.EMSL.com> / piscatawaylab@emsl.com

EMSL Order: 051801095
Customer ID: MCCA77
Customer PO:
Project ID:

Attention: John Chiaviello
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Suite 6
Lyndhurst, NJ 07071
Phone: (201) 438-4839
Fax: (201) 438-1798
Received Date: 03/14/2018 5:21 PM
Analysis Date: 03/15/2018
Collected Date: 03/14/2018
Project: 18-03475/Woodbridge Township Education Assoc, Indiana Avenue School-Limited Asbestos Inspection, 256 Indiana Avenue

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
1-1 051801095-0001	Office - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
1-2 051801095-0002	Office - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
1-3 051801095-0003	Office - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
2-1 051801095-0004	Room 8 - Debris Above Suspended Ceiling	Gray/Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
2-3 051801095-0006	Room 2 - Debris Above Suspended Ceiling	Gray/Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected

Analyst(s)

Nicholas Maslowski (5)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423

Initial report from: 03/15/2018 16:50:51



EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854
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<http://www.EMSL.com> / piscatawaylab@emsl.com

EMSL Order: 051801095
Customer ID: MCCA77
Customer PO:
Project ID:

Attention: John Chiaviello
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Suite 6
Lyndhurst, NJ 07071
Phone: (201) 438-4839
Fax: (201) 438-1798
Received Date: 03/14/2018 5:21 PM
Analysis Date: 03/15/2018
Collected Date: 03/14/2018
Project: 18-03475/Woodbridge Township Education Assoc, Indiana Avenue School-Limited Asbestos Inspection, 256 Indiana Avenue

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
1-1 051801095-0001	Office - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
1-2 051801095-0002	Office - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
1-3 051801095-0003	Office - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous	100	None	No Asbestos Detected
2-1 051801095-0004	Room 8 - Debris Above Suspended Ceiling	Gray/Black Non-Fibrous Homogeneous	98.1	1.9 MinWool	No Asbestos Detected
2-2 051801095-0005	Room 7 - Debris Above Suspended Ceiling	Gray/Black Non-Fibrous Homogeneous	96.7	None	3.3% Chrysotile
2-3 051801095-0006	Room 2 - Debris Above Suspended Ceiling	Gray/Black Non-Fibrous Homogeneous	98.5	1.5 MinWool	No Asbestos Detected

Analyst(s)

David Moody (6)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

Initial report from: 03/15/2018 12:27:31

051801095

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Woodbridge Township Education Assoc. 34 Green Street Woodbridge, New Jersey 07095		Project Name: Indiana Avenue School Limited Asbestos Inspection	McCabe Project No.: 18-03475	McCabe Project Manager: John Chiavella
		Building ID: Indiana Avenue School	Inspector/Investigator: Tom Walter + Gary Clare	
		Project Address: 256 Indiana Avenue, Iselin, New Jersey 08830		Analysis Requested: TAT STAT 12 Hr <u>24 Hr</u> Other 6 Hr 18 Hr Normal
Date: 03 14 18	Sampling Areas: 1st Floor	Comments (Field): <u>TH</u>		

BULK SAMPLE LOCATION

* Analyze All Samples *

Homog. Area No.	Sample ID No.	Material	Class (S, TSI, MISC)	Location		QTY (LF, SF, PCS)
				Floor	Coordinates	
	1-1	Yellow Carpet Mastic	M	1	Office	
	1-2	↓	↓	↓	↓	
	1-3	↓	↓	↓	↓	
	2-1	Debris Above Suspended Ceiling			Room 8	
	2-2	↓	↓	↓	Room 7	
	2-3	↓	↓	↓	Room 2	
RECEIVED						
MAR 14 2018						
BY <u>Cal W.</u>						
EMSL PISCATAWAY						

CHAIN OF CUSTODY

Relinquished By (Print & Sign Name)	Date	Time	Received By (Print & Sign Name)	Date	Time	Method of Submittal
1. Thomas Walter Tom Walter	3/14/18	5:15 PM (TH)	1.			FIELD WALK-IN US MAIL ED-X (TH) OTHER
2.			2.			
3.			3.			

LAB INFORMATION

Print & Sign Name	Date	Time	Comments (Lab):
1. Laboratory Analysis Performed By:			Number of PLM & NOB samples analyzed
2. Laboratory Analysis Performed By:			
QC By:			



EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854
Tel/Fax: (732) 981-0550 /
<http://www.EMSL.com> / piscatawaylab@emsl.com

EMSL Order: 051801093
Customer ID: MCCA77
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Project ID:

Attention: John Chiaviello
McCabe Environmental Services, LLC
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Lyndhurst, NJ 07071
Phone: (201) 438-4839
Fax: (201) 438-1798
Received Date: 03/14/2018 17:21 PM
Analysis Date: 03/15/2018
Collected Date: 03/14/2018
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Indiana Avenue, Iselin, New Jersey 08830

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
08 051801093-0001	Hallway Outside Room 1	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
09 051801093-0002	Hallway Outside Office	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
10 051801093-0003	Office On Right	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
11 051801093-0004	Office On Left	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
12 051801093-0005	Media Center	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
13 051801093-0006	Hallway Outside Of Room 15	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046
14 051801093-0007	Hallway Outside Of Room 2	1294.00	0.0645	0	None Detected	0	0	0.0046	<16.00	<0.0046

Analyst(s)

Chaiyut Sae Lao (7)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from: 03/15/2018 12:30 PM

