



USA Environmental Management, Inc.
Environmental ♦ Engineering ♦ Construction

April 28, 2023

Sheryl Quatermas
Occupational Health Cons. 1
New Jersey Department of Transportation
1035 Parkway Avenue
Ewing, New Jersey 08618

Re: Fernwood Complex
Building No. 24
Southeast Office(s) Renovations
Limited Asbestos Bulk Sampling & Analysis
USAEMI Project No. 23-020024-01

Dear Mrs. Quatermas:

USA Environmental Management, Inc., (USAEMI) was contracted by the New Jersey Department of Transportation (NJDOT), to inspect and conduct limited bulk sampling and analysis for suspect asbestos-containing materials within the Southeast Office(s) of Building 24 of the Fernwood Complex. The Fernwood Complex is located on the campus of the NJDOT Headquarters Complex, 1035 Parkway Avenue, in Trenton, New Jersey. The work was brought about by planned renovation to the interior finishes of the Southeast Office(s).

The investigation and subsequent bulk sampling were conducted on April 18, 2023, by Mathieu Chapuis and Richard Reynolds. Mr. Chapuis and Mr. Reynolds are both certified as United States Environmental Protection Agency (EPA), Asbestos Hazard Emergency Response Act (AHERA) accredited building inspectors.

This inspection for asbestos-containing materials (ACM) was limited in scope to include interior suspect materials where potential renovations/impacts are expected. Floor cores were conducted by USAEMI personnel to determine obscured suspect materials beneath the raised flooring. No destructive sampling was conducted on the ceramic wall and floor tile in the bathrooms. Wherever possible, an attempt was made to determine the presence of hidden materials. No destructive sampling was conducted beyond the coring of the raised flooring.

USAEMI collected the necessary number of bulk samples to properly identify ACM. All samples collected were in accordance with 40 CFR, Part 763, the EPA's, AHERA protocol. Sampling was performed utilizing wet methods. Equipment used during the survey was decontaminated at the completion of extracting each sample, eliminating the potential for any cross-contamination of samples. In addition, all samples were given a homogeneous area sampling identification number.

Samples of each homogenous material were securely shipped to Batta Laboratories, LLC (Batta), located at 6 Garfield Way, Newark, Delaware. Sample analysis was performed via Polarized Light



Microscopy (PLM) in accordance with 40 CFR, Part 763.87(a). The results of each sample and corresponding Certificates of Analysis are appended to this report. Results include the type and percentage of asbestos if found in the sampled material, and the method of analysis.

Sample result summaries are provided in table format. The first column indicates the homogenous area identification number (ID No.); the second column is the material description; and the third column indicates the asbestos content, type of asbestos, or if the material was none detected for asbestos. Sampled materials that contain asbestos and/or were assumed to contain asbestos are indicated in *italics bold*.

Asbestos Summary

During the assessment, USAEMI noted a total of ten (10) suspect materials from the Southeast Office(s) of Building 24. The suspect materials identified were sampled in sufficient quantity as mandated by 40 CFR, Part 763.87(a) and the scope of work. Of the materials sampled **three (3)** tested positive for asbestos (greater than one (1) percent by weight), and one (1) contained trace amounts of asbestos. The materials which were sampled for asbestos content are listed below:

TABLE 1 – SUSPECT ASBESTOS MATERIALS SUMMARY		
ID No.	Material Description	Asbestos Content
01	2'x4' White Ceiling Tile with Chips & Holes	None Detected
02	2'x4' White Ceiling Tile with Width-Wise Fissures & Holes	None Detected
03	Textured, Grey Rough Coat Plaster over Terracotta Walls	None Detected
04	White Smooth Coat Plaster	None Detected
05	12"x12" Tan Floor Tile with Brown & White Specks	None Detected
06	<i>Black Mastic Associated with ID No. 05</i>	<i>0.13% Chrysotile</i>
07	Tan/Grey Sheet Flooring Under Plywood Subfloor	None Detected
08	<i>Yellow/Brown Mastic Associated with ID No. 07</i>	<i>2% Chrysotile</i>
09	<i>Red Floor Tile Below ID No. 07/08</i>	<i>5% Chrysotile</i>
10	<i>Black Mastic Associated with ID No. 09</i>	<i>4.22% Chrysotile</i>

Trace Asbestos Containing Materials

OSHA's Asbestos Standard for the Construction Industry (29 CFR 1926.1101) regulates building materials containing trace amounts (<1%) of asbestos. Specifically, OSHA requires the following actions when removing these materials as part of a renovation or demolition project:

- Notification of workers performing the disturbance activity,
- Use of wet methods during removal,
- Packaging of the waste in sealed, leak-tight, containers, and,
- Air Monitoring.

As such, it is USAEMI's recommendation to have trace asbestos-containing materials properly removed from the building prior to planned renovations. Non-licensed abatement workers can



perform the removal and the materials can be disposed of as construction waste; however, due to the requirements set forth by OSHA, it is our recommendation that these materials be removed by a licensed abatement contractor.

Asbestos Assessment Disclaimer

The Client should be aware that this survey incorporated no destructive sampling to access hidden or obscured asbestos-containing materials (ACM). However, non-observable asbestos-containing materials may exist in such areas as piping lines within walls or chase walls, coatings concealed by overlaying materials, and other potential ACM which is inaccessible for sample extraction due to the physical coverage of the material. Due diligence was observed in performing sampling by generally recognized industry sampling practices.

Asbestos Recommendations

The following general recommendations are provided to assist in the renovation and localized renovation of the existing structures with ACM. Note that any building material that is not identified as homogenous with those addressed in this report must be considered asbestos-containing unless additional testing indicates otherwise.

The following work practices should be followed whenever activities involving any ACM occur at this Facility.

- Ensure any ACM is managed in accordance with Federal, State, and Local regulations.
- Remove any ACM that may be disturbed during renovations or ensure the materials will not be disturbed.
- Always keep any ACM adequately wet before, during, and after removal operations.
- Conduct activities in a manner that produces no visible emissions to the outside air.
- Handle and dispose of all ACM in accordance with Federal, State, and Local regulations.
- Maintain this report as a component of the historical record for the buildings.



New Jersey Department of Transportation
Fernwood Complex - Building 24, Southeast Office(s)
Limited Asbestos Bulk Sampling & Analysis
Report Date: April 28, 2023

Should you have any questions, please contact the undersigned at your convenience.

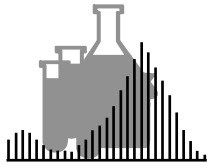
Respectfully,

USA ENVIRONMENTAL MANAGEMENT, INC.

Mathieu Chapuis
Environmental Technician

Attachments: Certificates of Analysis
 Chain of Custody Records
 Inspector Certification(s)
 Laboratory Certification(s)

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NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead



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Web: <http://www.battaenv.com> E-mail: battaenv@battaenv.com



EPA Lab ID #DE004



Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Page 1 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 04/21/23

Sampling Data

BLI Project #: R107316
Project Name: USA EMI- 23-020024-01- NJDoT, Fernwood Complex- Bldg No. 24- SE Office Spaces

Date Sampled: 04/18/23
Sampled By: CLIENT
Date Analyzed: 04/21/23

Sample ID		Client-supplied Data		Analytical Data			Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross Color	Non-asbestiform Components	Asbestiform Components	
1385666	01 RR041823	102	2'x4' Ceiling Tile	n/a	Fibrous Firm Homogeneous	Tan 60% Cellulose 10% Mineral Wool 30% Non-fibrous Material	No Asbestos Found	
1385667	02 RR041823	106	2'x4' Ceiling Tile	n/a	Fibrous Firm Homogeneous	Tan 60% Cellulose 10% Mineral Wool 30% Non-fibrous Material	No Asbestos Found	
1385668	03 RR041823	105	2'x4' Ceiling Tile	n/a	Fibrous Firm Homogeneous	Tan 30% Cellulose 40% Mineral Wool 30% Non-fibrous Material	No Asbestos Found	
1385669	04 RR041823	103	2'x4' Ceiling Tile	n/a	Fibrous Firm Homogeneous	Tan 40% Cellulose 30% Mineral Wool 30% Non-fibrous Material	No Asbestos Found	
1385670	05 RR041823	101	Textured Rough Coat Plaster	n/a	Cementic Homogeneous	Tan Gray <1% Cellulose 100% Non-fibrous Material	No Asbestos Found	

Note 1 Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JWL

REVIEWED BY: *APL*

QA/QC Officer/Signatory

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*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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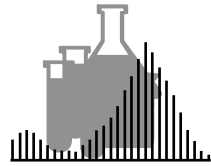
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EPA Lab ID #DE004



Lab Code: 101032-0



NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
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CERTIFICATE OF PLM ANALYSIS

Page 2 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 04/21/23

Sampling Data

BLI Project #: R107316
Project Name: USA EMI- 23-020024-01- NJDoT, Fernwood Complex- Bldg No. 24- SE Office Spaces

Date Sampled: 04/18/23
Sampled By: CLIENT
Date Analyzed: 04/21/23

Sample ID		Client-supplied Data		Analytical Data			Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross Color	Non-asbestiform Components	Asbestiform Components	
1385671	06 RR041823	102	Textured Rough Coat Plaster	n/a	Cementic Tan Gray Homogeneous	<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385672	07 RR041823	106	Textured Rough Coat Plaster	n/a	Cementic Tan Gray Homogeneous	<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385673	08 RR041823	104	Textured Rough Coat Plaster	n/a	Cementic Tan Gray Homogeneous	<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385674	09 RR041823	107	Textured Rough Coat Plaster	n/a	Cementic Tan Gray Homogeneous	<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385675	10 RR041823	106	Smooth Coat Plaster	n/a	Cementic White Homogeneous	<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	

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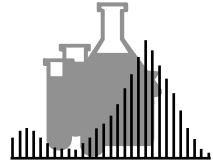
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EPA Lab ID #DE004



Lab Code: 101032-0



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Report Date: 04/21/23

Sampling Data

BLI Project #: R107316
Project Name: USA EMI- 23-020024-01- NJDoT, Fernwood Complex- Bldg No. 24- SE Office Spaces

Date Sampled: 04/18/23
Sampled By: CLIENT
Date Analyzed: 04/21/23

Sample ID		Client-supplied Data			Analytical Data			Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross Color		Non-asbestiform Components	Asbestiform Components	
1385676	11 RR041823	106	Smooth Coat Plaster	n/a	Cementic White Homogeneous		<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385677	12 RR041823	106	Smooth Coat Plaster	n/a	Cementic White Homogeneous		<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385678	14 RR041823	102	12"x12" Floor Tile	n/a	Firm Tan Homogeneous		<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385679	14A RR041823	102	Mastic	n/a	Firm Brown Homogeneous		3% Cellulose 97% Non-fibrous Material	No Asbestos Found	
1385680	15 RR041823	104	12"x12" Floor Tile	n/a	Firm Tan Homogeneous		<1% Cellulose 100% Non-fibrous Material	No Asbestos Found	

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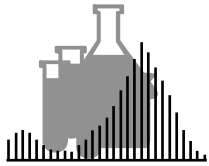
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Dept. Code: PLM

Rev. #: 0
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CERTIFICATE OF PLM ANALYSIS

Page 4 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 04/21/23

Sampling Data

BLI Project #: R107316
Project Name: USA EMI- 23-020024-01- NJDoT, Fernwood Complex- Bldg No. 24- SE Office Spaces

Date Sampled: 04/18/23
Sampled By: CLIENT
Date Analyzed: 04/21/23

Sample ID		Client-supplied Data		Analytical Data			Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross Color	Non-asbestiform Components	Asbestiform Components	
1385681	15A RR041823	104	Mastic	n/a	Firm Homogeneous	Brown 15% Cellulose 85% Non-fibrous Material	No Asbestos Found	
1385682	16 RR041823	102	Sheet Flooring	n/a	Firm Homogeneous	Tan 1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385683	16A RR041823	102	Mastic	n/a	Firm Homogeneous	Yellow 2% Cellulose 96% Non-fibrous Material	2% Chrysotile Total Asbestos = 2%	
1385684	17 RR041823	106	Sheet Flooring	n/a	Firm Homogeneous	Tan 1% Cellulose 100% Non-fibrous Material	No Asbestos Found	
1385685	17A RR041823	106	Mastic	n/a	Firm Homogeneous	Yellow 3% Cellulose 95% Non-fibrous Material	2% Chrysotile Total Asbestos = 2%	

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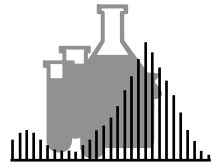
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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 04/21/23

Sampling Data

BLI Project #: R107316
Project Name: USA EMI- 23-020024-01- NJDoT, Fernwood Complex- Bldg No. 24- SE Office Spaces

Date Sampled: 04/18/23
Sampled By: CLIENT
Date Analyzed: 04/21/23

Sample ID		Client-supplied Data		Analytical Data			Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross Color	Non-asbestiform Components	Asbestiform Components	
1385686	18 RR041823	102	Floor Tile	n/a	Firm Homogeneous	Red <1% Cellulose 96% Non-fibrous Material	4% Chrysotile Total Asbestos = 4%	
1385687	18A RR041823	102	Mastic	n/a	Soft Homogeneous	Black 2% Cellulose 98% Non-fibrous Material	<1% Chrysotile	
1385688	19 RR041823	106	Floor Tile	n/a	Firm Homogeneous	Red <1% Cellulose 95% Non-fibrous Material	5% Chrysotile Total Asbestos = 5%	
1385689	19A RR041823	106	Mastic	n/a	Soft Homogeneous	Black <1% Cellulose 100% Non-fibrous Material	<1% Chrysotile	

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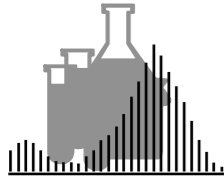
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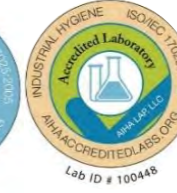
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(302) 737-3376 - Fax (302) 737-5764

Web: www.battaenv.com E-mail: battaenv@battaenv.com



EPA Lab ID #DE004



Lab Code: 101032-0

Page 1 of 1

CERTIFICATE OF TEM ANALYSIS

TEM Test Method: EPA 600/R-93/116 (gravimetric reduction)

Revision #: 0

Report Date: 4/26/2023

Sampling Data

BLI Project #: R107316

Date Sampled: 4/18/2023

Project Name: USA ENVIRO MGMT-23-020024-01 NJ DEPARTMENT OF TRANSPORTATION

Sampled By: Client

Project Location: FERNWOOD COMPLEX - BUILDING NO. 24 - SOUTHEAST OFFICE SPACES

Date Analyzed: 4/26/2023

Analytical Data

Sample ID		Sample Description				Gravimetric Data		PLM-NOB Analytical Results			TEM-NOB Analytical Results	
Lab Sample #	Client Sample #	Sample Location	Material Description	Sample Color	Ashed Residue (%)	Insoluble Residue (%)	Non-Asbestos Content		Asbestos Content	Non-Asbestos Content	Asbestos Content	
PLM	TEM	Homogenous Area .I.D.					Other Content (%)	Inorganic and Other Fibrous Content ¹	By PLM ²	Inorganic Fibrous Content ¹	By TEM ²	
-	1387096	15 RR041823 5	104	FT	Tan/Brown	80.03	0.03	N/A	N/A	Analysis Not Requested	100% Other, Particulate	None Detected
-	1387097	15A RR041823 6	104	Mastic	Black	42.78	25.73	N/A	N/A	Analysis Not Requested	99.87% Other, Particulate	0.13% Chrysotile
-	1387098	17 RR041823 7	106	Sheet Flooring	Tan/Gray	66.32	52.15	N/A	N/A	Analysis Not Requested	100% Other, Particulate	None Detected
-	1387099	17A RR041823 8	106	Mastic	Yellow/Brown	2.52	0.21	N/A	N/A	Analysis Not Requested	100% Other, Particulate	<0.05% Chrysotile
-	1387101	19A RR041823 10	106	Mastic	Black	47.75	16.88	N/A	N/A	Analysis Not Requested	95.78% Other, Particulate	4.22% Chrysotile
ACM by TEM-NOB												

TEM

Analyst(s): Jason Shatney

Reviewed By: 

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¹ Unless otherwise specified in the report, contents of non-asbestos inorganic fibers are not given.

² Results reported are based on final residue through matrix reduction. Due to resolution differences, discrepancies between TEM results and PLM results are expected. Based on a possible analytical conditions within published methodology, method detection limits (MDL) of 0.05% (for TEM) and 0.20% (for PLM) have been determined.

This report does not constitute endorsement by NVLAP and/or any other U.S. government agencies. The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment. Due to the general inhomogeneity of asbestos-containing materials (ACM), EPA and OSHA have recommended submission of at least three samples of each type of materials for analysis. Submission of fewer samples may compromise the accuracy of ACM determination.



USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

R107314

CLIENT: NJ Department of Transportation
PROJECT: Asbestos Site Assessment
SITE: Fernwood Complex - Building No. 24
AREA: Southeast Office Spaces

DATE: 04/18/2023
TECHNICIAN: M. Chapuis / R. Reynolds
PROJECT #: 23-020024-01

TYPE OF ANALYSIS
 PLM, EPA/600/R-93/116
 Stop @ 1st Positive ID No.

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

SAMPLE ID	MATERIAL / (ID No.)	SAMPLE LOCATION	ADDITIONAL ANALYSIS
01 R2 041823 1385 6000	2'x4' White Ceiling Tile with Chips & Holes (01)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
02	↓ (01)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
03	2'x4' White Ceiling Tile with Width w/ Holes & Holes (02)	105	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
04	↓ (02)	103	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
05	Textured, Gray Rough Coat Plaster over Terracotta Masonry (03)	101	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
06	Unit wall (03)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
07	(03)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
08	(03)	104	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
09	↓ (03)	107	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
10	White Smooth Coat Plaster (04)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
11	↓ (04)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
12 607	↓ (04)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)

TURN-AROUND-TIME	
<input type="checkbox"/> 6 Hours	<input type="checkbox"/> 3 Days
<input type="checkbox"/> 1 Day	<input type="checkbox"/> TEM, 2 Days
<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> TEM, 3 Days

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
I. <i>[Signature]</i>	4/18/23		I. <i>[Signature]</i>	4/19/23	11:15
II.			II.		
III.			III.		

COMMENTS:



USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

R107314

CLIENT: NJ Department of Transportation
PROJECT: Asbestos Site Assessment
SITE: Fernwood Complex – Building No. 24
AREA: Southeast Office Spaces

DATE: 04/18/2023
TECHNICIAN: M. Chapuis / P. Reynolds
PROJECT #: 23-020024-01

TYPE OF ANALYSIS
 PLM, EPA/600/R-93/116
 Stop @ 1st Positive ID No.

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

SAMPLE ID	MATERIAL / (ID No.)	SAMPLE LOCATION	ADDITIONAL ANALYSIS
14R2041823 678	12"x12" Tan Floor Tile w/ Brown & White Specks (05)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
14A	Black Mastic Assoc. w/ ID No. 05 (06)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
1387096 15	(05)	104	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
15A 097	(06)	104	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
16	Tan/Grey Sheet Flooring Under Plywood Sub-Floor (07)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
16A	Yellow/Brown Mastic Assoc. w/ ID No. 07 (08)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
098 17	(07)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
099 17A	(08)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
18	Red Floor Tile Below ID No. 07/08 (09)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
18A	Black Mastic Assoc. w/ ID No. 09 (10)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
19 100	(09)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
19A 101 689	(10)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)

TURN-AROUND-TIME	
<input type="checkbox"/> 6 Hours	<input type="checkbox"/> 3 Days
<input type="checkbox"/> 1 Day	<input type="checkbox"/> TEM, 2 Days
<input checked="" type="checkbox"/> 2 Days	<input checked="" type="checkbox"/> TEM, 3 Days

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
I. <i>M. Chapuis / P. Reynolds</i>	4/18/23		I. <i>[Signature]</i>	4/19/23	11:15
II.			II.		
III.			III.		

COMMENTS: Sample Number 13 is Intentionally SKipped



USA Environmental Management, Inc.

344 West State Street
Trenton, New Jersey 08618

R107314

CLIENT: NJ Department of Transportation
PROJECT: Asbestos Site Assessment
SITE: Fernwood Complex - Building No. 24
AREA: Southeast Office Spaces

DATE: 04/18/2013
TECHNICIAN: M. Chapuis / R. Reynolds
PROJECT #: 23-020024-01

TYPE OF ANALYSIS
 PLM, EPA/600/R-93/116
 Stop @ 1st Positive ID No.

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

SAMPLE ID	MATERIAL / (ID No.)	SAMPLE LOCATION	ADDITIONAL ANALYSIS
01 ¹³⁸⁵ R2-041823	2'x4' White Ceiling Tile with Chips & Holes (01)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
02	↓ (01)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
03	2'x4' White Ceiling Tile with Widthwise Fissures & Holes (02)	105	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
04	↓ (02)	103	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
05	Textured, Gray Rough Coat Plaster over Terracotta Mosaic (03)	101	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
06	Unit wall (03)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
07	(03)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
08	(03)	104	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
09	↓ (03)	107	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
10	White Smooth Coat Plaster (04)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
11	(04)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
12 ↓ 617	↓ (04)	106	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)

TURN-AROUND-TIME	
<input type="checkbox"/> 6 Hours	<input type="checkbox"/> 3 Days
<input type="checkbox"/> 1 Day	<input type="checkbox"/> TEM, 2 Days
<input checked="" type="checkbox"/> 2 Days	<input type="checkbox"/> TEM, 3 Days

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
I. <i>[Signature]</i>	4/18/23		I. <i>[Signature]</i>	4/19/23	11:15
II.			II.		
III.			III.		

COMMENTS: _____



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14R2041823 678	12"x12" Tan Floor Tile w/ Brown White Specks (05)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
14A	Black Mastic Assoc. w/ID No. No. 05 (06)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
15	(05)	104	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
15A	(06)	104	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
16	Tan/Grey Sheet Flooring Under Plywood Sub-Floor (07)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
16A	Yellow/Brown Mastic Assoc. w/ ID No. 07 (08)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
17	(07)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
17A	(08)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
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18A	Black Mastic Assoc. w/ID No. 09 (10)	102	<input type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
19	(09)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)
19A	(10)	106	<input checked="" type="checkbox"/> TEM EPA NOB (if ND or <1% by PLM)

TURN-AROUND-TIME	
<input type="checkbox"/> 6 Hours	<input type="checkbox"/> 3 Days
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RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
I. <i>M. Chapuis / P. Reynolds</i>	4/18/23		I. <i>JFA</i>	4/19/23	11:15
II.			II.		
III.			III.		

COMMENTS: Sample Number 13 is Intentionally Skipped

Certificate of Completion

awarded to

Mathieu Chapuis

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II, Virtual Teleconference

presented by

ACCESS TRAINING SERVICES, INC.
7921 River Road, Pennsauken, NJ 08110
(856) 665-3449

10/6/22

Course Date

N/A

Exam Date

10/6/23

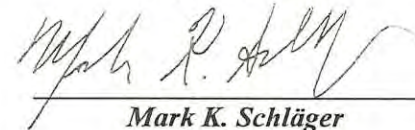
Expiration Date

Not Provided

Social Security Number

ACC-1022-6-022

Certificate Number



Mark K. Schläger
Training Director

Certificate of Completion

awarded to

Richard Reynolds

for successfully completing the prescribed course of study in

**Pennsylvania Asbestos
Building Inspector Refresher Course**
under TSCA Title II, Virtual Teleconference

presented by

ACCESS TRAINING SERVICES, INC.
7921 River Road, Pennsauken, NJ 08110
(856) 665-3449

10/6/22

Course Date

N/A

Exam Date

10/6/23

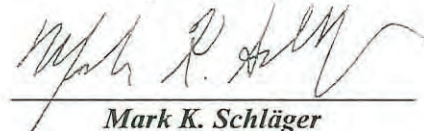
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Not Provided

Social Security Number

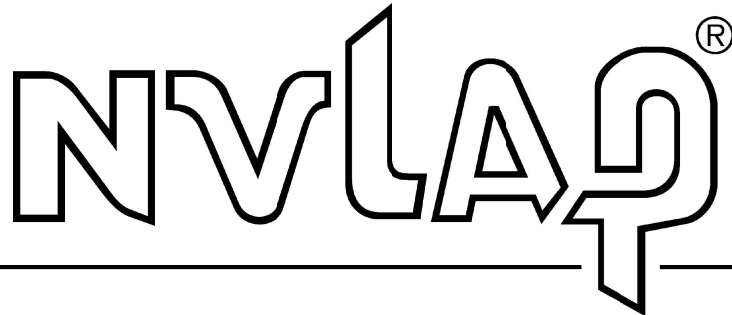
ACC-1022-6-012

Certificate Number



Mark K. Schlager
Training Director

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101032-0

Batta Laboratories, LLC
Newark, DE

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

Asbestos Fiber Analysis

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

2022-07-01 through 2023-06-30

Effective Dates



A handwritten signature in blue ink, appearing to read 'Dana S. Gorman'. The signature is written in a cursive style.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Batta Laboratories, LLC

Delaware Industrial Park

6 Garfield Way

Newark, DE 19713-5817

Mr. Naresh C. Batta

Phone: 302-737-3376 Fax: 302-737-5764

Email: ncbatta@battaenv.com

<http://www.battaenv.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101032-0

Bulk Asbestos Analysis

Code

Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

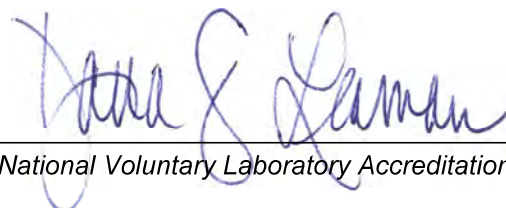
Airborne Asbestos Analysis

Code

Description

18/A02

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



For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

*MS. ANGELA R. YOHN
BATA LABORATORIES, LLC.
DELAWARE INDUSTRIAL PARK 6 GARFIELD WAY
NEWARK, DE 19713*

NY Lab Id No: 11993

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

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Mate	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B



Serial No.: 67262

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