



April 24, 2025

Mr. James Politano
Director of Facilities
City of Peabody
50 Farm Ave,
Peabody MA 01960

Reference:

TEM Air Results
Center Elementary School
18 Irving St,
Peabody, Massachusetts

Dear **Mr. Politano**:

Thank you for providing Safety Environmental Consultants the opportunity to serve your asbestos consulting needs.

The asbestos abatement for the above referenced school has been completed including the required final air clearance sampling. Enclosed are the **Transmission Electron Microscopy (TEM)** final air sample results for the abatement area.

Ultimate Abatement removed and disposed of **Pipes Insulation (288 LF) from the crawl space** at the address mentioned above.

TEM air clearance sampling was conducted on **April 23, 2025**.

Each TEM air clearance sample analyzed indicates airborne fiber concentrations were **less than 70 s/mm²** using Transmission Electron Microscopy in accordance with the NIOSH Method No. 7402 as required by the Environmental Protection Agency (EPA) and by the Commonwealth of Massachusetts in 453 CMR 6.93, Appendix 3.

SEC and the Project Monitor shall not be held liable for previous bulk sampling techniques, results and protocols. SEC does not guarantee that all suspect materials and ACMs have been identified at the project site.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Johnnie M. Lituma', is written over a light gray rectangular background.

Johnnie M. Lituma
Services Manager.



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

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

EMSL Order: 132502348

Customer ID: SEVC25

Customer PO:

Project ID:

Attention: Johnnie Lituma
Safety Environmental Consultants
PO Box 733
Methuen, MA 01844

Phone: (978) 590-3956

Fax:

Received Date: 04/23/2025 15:20 PM

Analysis Date: 04/24/2025

Collected Date: 04/23/2025

Project: Center Elementary School; 18 Irving Street; Peabody, MA

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)
1 132502348-0001	Inside Crawl Space	1235.00	0.0635	0	None Detected	0	0	0.0049	<16.00	<0.0049
2 132502348-0002	Inside Crawl Space	1235.00	0.0635	0	None Detected	0	0	0.0049	<16.00	<0.0049
3 132502348-0003	Inside Crawl Space	1235.00	0.0635	0	None Detected	0	0	0.0049	<16.00	<0.0049
4 132502348-0004	Inside Crawl Space	1235.00	0.0635	0	None Detected	0	0	0.0049	<16.00	<0.0049
5 132502348-0005	Inside Crawl Space	1235.00	0.0635	0	None Detected	0	0	0.0049	<16.00	<0.0049
6 132502348-0006	Surrounding Crawl Space	1235.00			Not Analyzed					N/A
7 132502348-0007	Front Decon	1235.00			Not Analyzed					N/A
8 132502348-0008	Corridor 1st Floor	1235.00			Not Analyzed					N/A
9 132502348-0009	Corridor 1st Floor	1235.00			Not Analyzed					N/A
10 132502348-0010	Break Room 1st Floor	1235.00			Not Analyzed					N/A
11 132502348-0011	Field Blank	0.00			Not Analyzed					N/A
12 132502348-0012	Field Blank	0.00			Not Analyzed					N/A
13 132502348-0013	Control Blank	0.00			Not Analyzed					N/A

Analyst(s)

Kevin Pine (5)

Steve Grise, 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. 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 structures/cm³ are not covered by the laboratory's NVLAP accreditation. Measurement of uncertainty available upon request.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI TEM00139, VT AL998919

Initial report from: 04/24/2025 13:07 PM

AIR SAMPLING - DATA REPORT

Project Name: Center Elementary School Date: April 23, 2025 Address: 18 Irving St. Peabody, MA

Lab ID: AA000233 Project #: _____ Contractor: Ultimate Abatement Work Area: Crawl Space

Project Monitor Name: Erick Estrada License Number: AM 900505 Type of Sampling: TEM

SAMPLE NO.	SAMPLE TYPE	LOCATION Specific description or location of sampling	PUMP ON	PUMP OFF	RUN TIME (TOTAL MIN)	ROTOMETER FLOW RATE (LPM)			AIR VOLUME (LITERS)	ACTUAL COUNT (FIBERS/FIELD)	DISTRIBUTION (FIBERS/MM2)	CONCENTRATION (F/CC)
			(2400)	(2400)		START	STOP	AVE				
1	C	Inside Crawl space	11:10	13:20	130	9.5	9.5	9.5	1235			
2	C	Inside Crawl space	11:11	13:21	130	9.5	9.5	9.5	1235			
3	C	Inside Crawl space	11:12	13:22	130	9.5	9.5	9.5	1235			
4	C	Inside Crawl space	11:13	13:23	130	9.5	9.5	9.5	1235			
5	C	Inside Crawl space	11:14	13:24	130	9.5	9.5	9.5	1235			
6	C	Surrounding Crawl Space	11:16	13:26	130	9.5	9.5	9.5	1235			
7	C	Front Decon	11:17	13:27	130	9.5	9.5	9.5	1235			
8	C	Corridor 1st floor	11:19	13:29	130	9.5	9.5	9.5	1235			
9	C	Corridor 1st floor	11:20	13:30	130	9.5	9.5	9.5	1235			
10	C	Break room 1st floor	11:21	13:31	130	9.5	9.5	9.5	1235			
11		Field Blank										
12		Field Blank										
DUPLICATE ANALYSIS												

Samples Analyzed By: EMSL AM _____ Comments : 24 Hrs TAT Results

Microscope Clean: _____ Phase Ring Aligned: _____ Graticule Field Area: _____ Pass HSE-NPL Test Slide & Date: _____

Sample Type: B) Background G) General C) Final Air Clearance PA) Post Abatement Area F) Field Blank

Flow Rates: PCM: Up to 16; TEM: Up to 9.5. Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm2, then write BDL

For a 25mm filter and a Walton-Beckett G-22 with a diameter of 100um the concentration calculation is ((fib/flds)*385)/(Volume * 7.85). This calculation MUST be adjusted for variables other than mentioned

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