METRO ANALYTICAL LABORATORIES
255 West 36th St., Suite #101
New York, NY 10018
p: (212) 695-0165 f: (212) 695-0183

ASBESTOS ANALYSIS of AIR SAMPLE by TRANSMISSION ELECTRON MICROSCOPY

Client:	**ALC Environmental**	Contract:	**5 East Main Street**	**Metro Lab ID #:**	**TA26110002**
Address:	158 West 27th Street 8th Floor	Client Job #:			
	New York NY 10001	Location:	**5 East Main Street**		
	P: (212) 675-5544 F: (212) 675-4698		**Boiler Room - 1st Floor**	Sample Received:	11/02/2026
			Manhattan NY	Sample Type:	During
Contact:	**Pat Mullo**	Sampled By:	A.A.H	TEM Analysis Date:	11/03/2026
	M: (646) 529-6529	Sampled Date:	11/02/2026	Reported By:	Sean Gonzalez Villamar
	E: Pat.Mullo@alcenvironmental.com	Turnaround Time:	6 hrs	Report Date:	11/03/2026

Summary of Analysis

LAB ID #	Client Sample #	Sample Description	Volume (L)	# Grids Read	Grid Opening (mm^2)	Total Area Analyzed (mm^2)	# Non-Asbestos Structures	Asbestos Type(s)	Micrograph #	0.5u - 5 u	>5u	Sensitivity (S/cc)	Asbestos (S/mm^2)	Asbestos (S/cc)
1	01	OWA - NW OF PERSONAL DECON ENT. WITHIN 5 FT.	1440	6	0.0095	0.057	0	**Chrysotile**	N/A	4	0	0.0047	**70.18**	**0.0188**
2	02	OWA - SE OF BOILER RM. BY MICROTRAP EXHAUST	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
3	03	OWA - EAST OF BOILER RM. BY MICROTRAP EXHAUST	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
4	04	OWA - NE OF BOILER RM. BY MICROTRAP EXHAUST	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
5	05	OWA - NORTH OF BOILER RM. BY CRITICAL	1440	6	0.0095	0.057	0	**Chrysotile**	N/A	1	0	0.0047	**17.54**	**0.0047**
6	06	OWA - SW BY #1 ENTRANCE TO BOILER RM. W/A	1400	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
7	07	OWA - WEST BY #2 ENTRANCE TO BOILER RM. W/A	1400	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
8	08	OWA - NORTH OF WASTE DECON ENT. WITHIN 5 FT.	1400	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
9	08	OWA - NW OF PERSONAL DECON ENT. WITHIN 5 FT.	1584	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0043	**<17.54**	**<0.0043**
10	10	OWA - SE OF BOILER RM. BY MICROTRAP EXHAUST	1554	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0043	**<17.54**	**<0.0043**

Comments

Equipment TEM SCOPE #1 - Hitachi H-600

**Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA). Migrographs available upon request.

Zlatan Dimitrijevic
Laboratory Director

Zlatan Dimitrijevic
TEM Analyst

NYS ELAP ID # 12003

NVLAP Lab Code 500081-0

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11	**11**	OWA - EAST OF BOILER RM. BY MICROTRAP EXHAUST	1536	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0044	**<17.54**	**<0.0044**
12	**12**	OWA - NE OF BOILER RM. BY MICROTRAP EXHAUST	1518	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0044	**<17.54**	**<0.0044**
13	**13**	OWA - NORTH OF BOILER RM. BY CRITICAL	1494	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0045	**<17.54**	**<0.0045**
14	**14**	OWA - SW BY #1 ENTRANCE TO BOILER RM. W/A	1464	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0046	**<17.54**	**<0.0046**
15	**15**	OWA - WEST BY #2 ENTRANCE TO BOILER RM. W/A	1446	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
16	**16**	OWA - NORTH OF WASTE DECON ENT. WITHIN 5 FT.	1428	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
17	**17**	FIELD BLANK	N/A	N/A	N/A	NA	N/A	**Not Analyzed**	N/A	N/A	N/A	N/A	**N/A**	**N/A**
18	**18**	FIELD BLANK	N/A	N/A	N/A	NA	N/A	**Not Analyzed**	N/A	N/A	N/A	N/A	**N/A**	**N/A**
19	**18**	FIELD BLANK	N/A	N/A	N/A	NA	N/A	**Not Analyzed**	N/A	N/A	N/A	N/A	**N/A**	**N/A**

Comments

Equipment TEM SCOPE #1 - Hitachi H-600

**Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA). Migrographs available upon request.

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Report Notes

General Notes and Disclaimers

- The samples analyzed in this report were not collected by this laboratory - they were received from the client, or an agent of the client, in good condition, unless otherwise noted.
- All results are calculated based on client-provided samples and / or measurements and fall within the acceptable Quality Control limits, unless otherwise noted.
- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- This report relates only to the samples tested. It may not be used by the client to claim project endorsement by NVLAP, NYS ELAP, or any other government agency.
- All samples will be properly disposed of after 60 days.
- Quality Control data (including 95% confidence limits, laboratory / analysis accuracy and precision) is available upon request.

Notes Regarding Asbestos Testing

- Air Sample Analysis by Phase Contrast Microscopy (PCM) adheres to Method NIOSH-7400. Results < 7 fibers / mm^2 are statistically insignificant.
- Percentages are calculated using the EPA equivalent Stratified Point-Count Method.
- Bulk Sample Analysis by Polarized Light Microscopy (PLM) Friable adheres to EPA/600/M4-082-20 or NYS ELAP 198.1.
- Bulk Sample Analysis by Polarized Light Microscopy (PLM) NOB adheres to NYS ELAP 198.6. This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
- All inhomogeneous layers of the bulk samples were analyzed separately.
- Analytical results are sometimes based on the residue percentage(s) provided by the client along with the filters. Trace denotes asbestos detected at < 1%. Smiliarly, samples below quantitation limit (RL) are reported with a less than sign (<).
- Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.
- Bulk Sample Analysis by Transmission Electron Microscopy (TEM) NOB adheres to NYS ELAP Method 198.4.
- Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA).
- Air Sample Analysis by Transmission Electron Microscopy (TEM) Worksheets are available upon request.

ALC ENVIRONMENTAL
CONSULTING | MANAGEMENT | TRAINING

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ASBESTOS AIR SAMPLING LOG

☒ TEM
☐ PCM

Turn Around Time
☐ Rush ☐ 8 Hours ☐ 24 Hours
☒ 6 Hours ☐ 12 Hours ☐ 3 Days

SHIFT: 1

M	T	W	T	F	S	S
1						

DATE: 11/2/26

PROJECT #: _____ PROJECT SITE: 5 EAST MAIN ST · MANHATTAN WORK AREA: BOILER ROOM 1ST FL

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26-6Z91C SHAB

ROTOMETER #: ALC 010 CALABRATION DATE: 9·17·26 MANAGER: PAT MULLO

LABORATORY USE ONLY
LABORATORY PROCJECT #: TA2611002

FIELD SAMPLE ID NUMBER		DESCRIPTION LOCATION/ACTIVITY	SAMPLIING PERIOD (MILITARY TIME) START	STOP	Sample Time	CALIBRATION FLOW RATE PRE	POST	CAL. FLOW RATE AVERAGE	SAMPLE VOLUME (LITERS)	Fiber count per field	Airborne result F/cc
01	OWA	NW OF PERSONAL DECON ENT WITHIN 5 FT	0700	1100	240	6	6	6	1440		
02	OWA	SE OF BOILER RM BY MICROTRAP EXHAUST	0703	1103	240	6	6	6	1440		
03	OWA	EAST OF BOILER RM BY MICROTRAP · EXHAUST	0705	1105	240	6	6	6	1440		
04	OWA	NE OF BOILER RM BY MICROTRAP · EXHAUST	0707	1107	240	6	6	6	1440		
05	OWA	NORTH OF BOILER RM BY CRITICAL	0709	1109	240	6	6	6	1440		
06	OWA	SLUBY: #1 ENTRANCE TO BOILER RM W/A	0713	1113	240	6	6	6	1440		
07	OWA	WEST BY #2 ENTRANCE TO BOILER RM W/A	0715	1115	240	6	6	6	1440		
08	OWA	NORTH OF WASTE DECON ENT WITH IN 5FT	0717	1117	240	6	6	6	1440		
09	OWA	N.W OF PERSONAL DECON ENT WITHIN 5 FT	1101	1525	264	6	6	6	1584		
10	OWA	SE OF BOILER RM BY MICROTRAP EXHAUST	1104	1523	259	6	6	6	1554		
11	OWA	EAST OF BOILER RM BY MICROTRAP · EXHAUST	1106	1522	256	6	6	6	1536		
12	OWA	NE OF BOILER RM BY MICROTRAP EXHAUST	1108	1521	253	6	6	6	1518		

SAMPLE TYPE: ☐ BG – Background ☒ D-During ☐ DAF – During as Finals ☐ CLR – Clearance ☐ A – Ambient ☐ FB – Field Blank

RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:
AUDLEY A HINDS	Audley A Hinds	11-2-26		Sean G	SG	11/2/26	3PM
AUDLEY A HINDS	Audley A Hinds	11-2-26					

Email Results to: bianca.colon@alcenvironmental.com; adriana.tula@alcenvironmental.com; nicholas.outar@alcenvironmental.com; audley.hinds.alc@alcenvironmental.com; pat.mullo@alcenvironmental.com

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☒ TEM
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☐ Rush ☐ 8 Hours ☐ 24 Hours
☒ 6 Hours ☐ 12 Hours ☐ 3 Days

SHIFT: 1

M	T	W	T	F	S	S
7						

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13	OWA	NORTH OF BOILER RM BY CRITICA	1110	7519	249	6	6	6	1494		
14	OWA	SW BY #1 ENTRANCE TO BOILER RM W/A	1114	1518	244	6	6	6	1464		
15	OWA	WEST BY #2 ENTRANCE TO BOILER RM W/A	1116	1517	241	6	6	6	1446		
16	OWA	NORTH OF WASTE DECON ENT WITHIN SET	1118	1516	238	6	6	6	1428		
17		F/B									
18		F/B									
19		O/B									

SAMPLE TYPE: ☐ BG – Background ☒ D-During ☐ DAF – During as Finals ☐ CLR – Clearance ☐ A – Ambient ☐ FB – Field Blank

RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:
AUDLEY A HINDS	Audley A Hinds	11.2.26		Dean 6		11/2/26	5PM
AUDLEY A HINDS	Audley A Hinds	11.2.26					

Email Results to: bianca.colon@alcenvironmental.com; adriana.tula@alcenvironmental.com; nicholas.outar@alcenvironmental.com; audley.hinds.alc@alcenvironmental.com; pat.mullo@alcenvironmental.com; engel.perez@alcenvironmental.com; nickola.lampley@alcenvironmental.com