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 #:**	**TA26110008**
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**	Sample Received:	11/05/2026
			Manhattan NY	Sample Type:	During
Contact:	**Pat Mullo**	Sampled By:	A.A.H.	TEM Analysis Date:	11/06/2026
	M: (646) 529-6529	Sampled Date:	11/05/2026	Reported By:	Cheryl David
	E: Pat.Mullo@alcenvironmental.com	Turnaround Time:	6 hrs	Report Date:	11/06/2026

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 - NE OF PERSONAL DECON ENT, WITHIN 5 FT	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
2	02	OWA - SE OF BOILER ROOM BY MICROTRAP EXHAUST	1602	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
3	03	OWA - EAST OF BOILER ROOM BY MICROTRAP EXHAUST	1596	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
4	04	OWA - NE OF BOILER ROOM BY MICROTRAP EXHAUST	1590	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
5	05	OWA - NORTH OF BOILER ROOM BY CRITICAL	1584	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0043	<17.54	<0.0043
6	06	OWA - SW BY #1 ENTRANCE TO BOILER ROOM WORK AREA	1584	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0043	<17.54	<0.0043
7	07	OWA - WEST BY #2 ENTRANCE TO BOILER ROOM WORK AREA	1584	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0043	<17.54	<0.0043
8	08	OWA - NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT	1584	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0043	<17.54	<0.0043
9	09	OWA - NE OF PERSONAL DECON ENT, WITHIN 5 FT	1422	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0047	<17.54	<0.0047
10	10	OWA - SE OF BOILER ROOM BY MICROTRAP EXHAUST	1410	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0048	<17.54	<0.0048

Comments

Equipment TEM SCOPE #2 - Hitachi H-7000

**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

Antonio Cruz
TEM Analyst

NYS ELAP ID # 12003

NVLAP Lab Code 500081-0

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11	**11**	OWA - EAST OF BOILER ROOM BY MICROTRAP EXHAUST	1386	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0049	**<17.54**	**<0.0049**
12	**12**	OWA - NE OF BOILER ROOM BY MICROTRAP EXHAUST	1362	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0050	**<17.54**	**<0.0050**
13	**13**	OWA - NORTH OF BOILER ROOM BY CRITICAL	1344	7	0.0095	0.067	0	**None Detected**	N/A	0	0	0.0043	**<15.04**	**<0.0043**
14	**14**	OWA - SW #1 ENTRANCE TO BOILER ROOM WORK AREA	1320	7	0.0095	0.067	0	**None Detected**	N/A	0	0	0.0044	**<15.04**	**<0.0044**
15	**15**	OWA - WEST BY #2 ENTRANCE TO BOILER ROOM WORK AREA	1308	7	0.0095	0.067	0	**None Detected**	N/A	0	0	0.0044	**<15.04**	**<0.0044**
16	**16**	OWA - NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT	1290	7	0.0095	0.067	0	**None Detected**	N/A	0	0	0.0045	**<15.04**	**<0.0045**
17	**17**	F/B	N/A	N/A	N/A	N/A	N/A	**Not Analyzed**	N/A	N/A	N/A	N/A	**N/A**	**N/A**
18	**18**	F/B	N/A	N/A	N/A	N/A	N/A	**Not Analyzed**	N/A	N/A	N/A	N/A	**N/A**	**N/A**
19	**19**	O/B	N/A	N/A	N/A	N/A	N/A	**Not Analyzed**	N/A	N/A	N/A	N/A	**N/A**	**N/A**

Comments

Equipment TEM SCOPE #2 - Hitachi H-7000

**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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Phone: (212) 675-5544 FAX (212) 675-4698

ASBESTOS AIR SAMPLING LOG

☑ TEM
☐ PCM

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

SHIFT:

Page 1 of 2

M	T	W	T	F	S	S

DATE: 11/5/26

PROJECT #: _____ PROJECT SITE: 5 EAST MAIN ST MANHATTAN WORK AREA: BOILER RM

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26.6ZQIC SHAB

ROTOMETER #: ALC 010 CALABRATION DATE: 9.17.26 MANAGER: PAT MULLO

LABORATORY USE ONLY
LABORATORY PROCJECT #: TA26110008

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	NE OF PERSONAL DECON ENT WITHIN 5 FT	0700	1130	2.70	6	6	6	1620		
02	OWA	SE OF BOILER RM BY MICROTRAP EXHAUST	0705	1139	267	6	6	6	1602		
03	OWA	EAST	0707	1133	266	6	6	6	1596		
04	OWA	NE	0709	1134	265	6	6	6	1596		
05	OWA	NORTH OF BOILER RM BY CRITICAL	0712	1136	264	6	6	6	1584		
06	OWA	SW BY #1 ENTRANCE TO BOILER RM WORK AREA	0714	1138	264	6	6	6	1584		
07	OWA	WEST BY #2 ENTRANCE TO BOILER RM W/A	0716	1140	264	6	6	6	1584		
08	OWA	NORTH OF WASTE DECON ENTRANCE WITHIN 5FT	0718	1142	264	6	6	6	1584		
09	OWA	NE OF PERSONAL DECON ENTRANCE WITHIN 5FT	1131	1529	237	6	6	6	1422		
10	OWA	SE OF BOILER RM BY MICROTRAP EXHAUST	1133	1528	235	6	6	6	1410		
11	OWA	EAST	1135	1526	231	6	6	6	1386		
12	OWA	NE	1137	1524	227	6	6	6	1362		

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		11.5.26		HOLK		11/5/26	4:45P
RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:
		11.5.26					

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; njckola.lampley@alcenvironmental.com

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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

M	T	W	X	F	S	S

DATE: 11/5/26

PROJECT #: _____ PROJECT SITE: 5 EAST MAIN ST MANHATTAN WORK AREA: BOILER RM 1ST FLOOR

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26-6209-C

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

LABORATORY USE ONLY
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13	OWA	NORTH OF BOILER RM BY CRITICAL	1139	1523	224	6	6	6	1344		
14	OWA	SW#1 ENTRANCE TO BOILER RM WORK AREA	1141	1522	220	6	6	6	1320		
15	OWA	WEST BY #2 ENTRANCE TO BOILER RM W/A	1143	1521	218	6	6	6	1308		
16	OWA	NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT	1145	1520	215	6	6	6	1290		
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						11/5/26	4.45P
RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:
AUDLEY A HINDS							

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