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 #:**	**TA26110004**
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		**1st Floor - Boiler Room**	Sample Received:	11/03/2026
			Manhattan NY	Sample Type:	During
Contact:	**Pat Mullo**	Sampled By:	A.A.H.	TEM Analysis Date:	11/04/2026
	M: (646) 529-6529	Sampled Date:	11/03/2026	Amended By:	Marian Zaki
	E: Pat.Mullo@alcenvironmental.com	Turnaround Time:	6 hrs	Amended Date:	11/04/2026

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	1	OWA - NE OF PERSONAL DECON ENT WITHIN 5FT	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
2	2	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	3	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	4	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	5	OWA - NORTH OF BOILER RM BY CRITICAL	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
6	6	OWA - S.W. BY #1 ENTRANCE TO BOILER RM W/A	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
7	7	OWA - WEST BY #2 ENTRANCE TO BOILER RM W/A	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
8	8	OWA - NORTH OF WASTE DECON ENTRANCE WITHIN 5FT	1440	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0047	**<17.54**	**<0.0047**
9	9	OWA - NE OF PERSONAL DECON ENT WITHIN 5FT	1608	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0042	**<17.54**	**<0.0042**
10	10	OWA - SE OF BOILER RM BY MICROTRAP EXHAUST	1584	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0043	**<17.54**	**<0.0043**

Comments Amended - Results Typo

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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Client: **ALC Environmental**
Address: 158 West 27th Street 8th Floor
New York NY 10001
P: (212) 675-5544 F: (212) 675-4698

Contact: **Pat Mullo**
M: (646) 529-6529
E: Pat.Mullo@alcenvironmental.com

Contract: **5 East Main Street**
Client Job #:
Location: **5 East Main Street**
1st Floor - Boiler Room
Manhattan **NY**
Sampled By: A.A.H.
Sampled Date: 11/03/2026
Turnaround Time: 6 hrs

Metro Lab ID #: **TA26110004**
Sample Received: 11/03/2026
Sample Type: During
TEM Analysis Date: 11/04/2026
Amended By: Marian Zaki
Amended Date: 11/04/2026

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)
11	11	OWA - EAST OF BOILER RM BY MICROTRAP EXHAUST	1566	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0043	**<17.54**	**<0.0043**
12	12	OWA - NE OF BOILER RM BY MICROTRAP EXHAUST	1542	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	1542]	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0044	**<17.54**	**<0.0044**
14	14	OWA - S.W. BY #1 ENTRANCE TO BOILER RM W/A	1506	6	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0045	**<17.54**	**<0.0045**
15	15	OWA - WEST BY #2 ENTRANCE TO BOILER RM W/A	1488	9	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0045	**<17.54**	**<0.0045**
16	16	OWA - NORTH OF WASTE DECON ENTRANCE WITHIN 5FT	1470	9	0.0095	0.057	0	**None Detected**	N/A	0	0	0.0046	**<17.54**	**<0.0046**
17	17	FB	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	FB	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	FB	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 Amended - Results Typo

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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Laboratory Director

Antonio Cruz
TEM Analyst

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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

M	T	W	T	F	S	S
X						

DATE: 11/3/26

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

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 #: TAZ6110004

FIELD SAMPLE ID NUMBER		DESCRIPTION LOCATION/ACTIVITY	SAMPLING 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	1100	240	6	6	6	1440		
02	OWA	SE OF BOILER RM BY MICROTRAP EXHAUST	0702	1102	240	6	6	6	1440		
03	OWA	EAST	0704	1104	240	6	6	6	1440		
04	OWA	NE	0706	1106	240	6	6	6	1440		
05	OWA	NORTH OF BOILER RM BY CRITICAL	0708	1108	240	6	6	6	1440		
06	OWA	SW BY #1 ENTRANCE TO BOILER RM W/A	0710	1110	240	6	6	6	1440		
07	OWA	WEST BY #2 ENTRANCE TO BOILER RM W/A	0712	1112	240	6	6	6	1440		
08	OWA	NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT	0714	1114	240	6	6	6	1440		
09	OWA	NE OF PERSONAL DECON ENT WITHIN 5 FT	1101	1529	268	6	6	6	1608		
10	OWA	SE OF BOILER RM BY MICROTRAP EXHAUST	1103	1527	264	6	6	6	1584		
11	OWA	EAST OF	1105	1526	261	6	6	6	1566		
12	OWA	NE OF	1107	1524	257	6	6	6	1542		

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	11-3-26		ABECK	AM	11/13/26	5:10P
AUDLEY A HINDS	AUDLEY A HINDS	11-3-26					

Email Results to: bianca.colon@alcenvironmental.com; adriana.ayala@alcenvironmental.com; nicholas.outar@alcenvironmental.com; audley.hinds.alc@alcenvironmental.com; pat.mullo@alcenvironmental.com
angel.perez@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: 1

M | T | W | T | F | S | S

DATE: 11/3/26

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

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26-6270IC SHAB

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

LABORATORY USE ONLY
LABORATORY PROCJECT #: TA26110004

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
13	OWA	NORTH OF BOILER RM BY CRITICAL	1109	1523	254	6	6	6	1524		
14	OWA	SW BY #2 ENTRANCE TO BOILER RM W/A	1111	1522	251	6	6	6	1506		
15	OWA	WEST BY #2 ENTRANCE TO BOILER RM W/A	1113	1521	248	6	6	6	1488		
16	OWA	NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT	1115	1520	245	6	6	6	1470		
17	FB										
18	FD										
19	FB										

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	11.3.26		ADLL	All	11/3/26	5:10P
RELINQUISHED BY: AUDLEY A HINDS	SIGNATURE: Audley A Hinds	DATE: 11.3.26	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:

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