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 #:** | **TA26110006** |
| 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: | 11/04/2026 |
| | | | **Manhattan NY** | Sample Type: | During |
| Contact: | **Pat Mullo** | Sampled By: | A.A.H. | TEM Analysis Date: | 11/15/2026 |
| | M: (646) 529-6529 | Sampled Date: | 11/04/2026 | Reported By: | Nicole Piech |
| | E: Pat.Mullo@alcenvironmental.com | Turnaround Time: | 6 hrs | Report Date: | 11/05/2026 |

## 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 ENTRANCE WITHIN 5 FT | 1440 | 6 | 0.0095 | 0.057 | 0 | None Detected | N/A | 0 | 0 | 0.0047 | <17.54 | <0.0047 |
| 2 | 02 | OWA - SE OF BOILER ROOM 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 ROOM 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 ROOM 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 ROOM CRITICAL | 1440 | 6 | 0.0095 | 0.057 | 0 | None Detected | N/A | 0 | 0 | 0.0047 | <17.54 | <0.0047 |
| 6 | 06 | OWA - SW BY #1 ENTRANCE TO BOILER ROOM W/A | 1440 | 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 ROOM W/A | 1440 | 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 ENTRANCE WITHIN 5 FT | 1440 | 6 | 0.0095 | 0.057 | 0 | None Detected | N/A | 0 | 0 | 0.0047 | <17.54 | <0.0047 |
| 9 | 09 | OWA - NE OF PERSONAL DECON ENTRANCE WITHIN 5 FT | 1578 | 6 | 0.0095 | 0.057 | 0 | None Detected | N/A | 0 | 0 | 0.0043 | <17.54 | <0.0043 |
| 10 | 10 | OWA - SE OF BOILER ROOM 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 #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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| 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: | 11/04/2026 |
| | | | **Manhattan NY** | Sample Type: | During |
| Contact: | **Pat Mullo** | Sampled By: | A.A.H. | TEM Analysis Date: | 11/15/2026 |
| | M: (646) 529-6529 | Sampled Date: | 11/04/2026 | Reported By: | Nicole Piech |
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## 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 ROOM 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 ROOM 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 ROOM CRITICAL | 1500 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0045 | **<17.54** | **<0.0045** |
| 14 | 14 | OWA - SW OF #1 ENTRANCE TO BOILER WORK AREA | 1482 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0046 | **<17.54** | **<0.0046** |
| 15 | 15 | OWA - WEST OF #2 ENTRANCE TO BOILER WORK AREA | 1464 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0046 | **<17.54** | **<0.0046** |
| 16 | 16 | OWA - NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT | 1440 | 6 | 0.0095 | 0.057 | 0 | **None Detected** | N/A | 0 | 0 | 0.0047 | **<17.54** | **<0.0047** |
| 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.

Zlatan Dimitrijevic
Laboratory Director

Antonio Cruz
TEM Analyst

**NYS ELAP ID # 12003**

**NVLAP Lab Code 500081-0**

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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.

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CONSULTING | MANAGEMENT | TRAINING

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New York, NY 10001
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



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

DATE: 11/4/26

PROJECT #: _____ PROJECT SITE: 5 EAST MAIN ST. MANHATTAN NY WORK AREA: BOILER Rm 1ST FLOOR

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26-6729 LC SHAB

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

LABORATORY USE ONLY
LABORATORY PROCJECT #: TA2611006

| 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 ENTRANCE WITH IN 5FT | 0705 | 1105 | 240 | 6 | 6 | 6 | 1440 | | |
| 02 | OWA | SE OF BOILER Rm BY MICROTRAP EXHAUST | 0707 | 1107 | 240 | 6 | 6 | 6 | 1440 | | |
| 03 | OWA | EAST | 0709 | 1109 | 240 | 6 | 6 | 6 | 1440 | | |
| 04 | OWA | NE | 0711 | 1111 | 240 | 6 | 6 | 6 | 1440 | | |
| 05 | OWA | NORTH OF BOILER ROOM CRITICAL | 0713 | 1113 | 240 | 6 | 6 | 6 | 1440 | | |
| 06 | OWA | S-W By #1 ENTRANCE TO BOILER Rm W/A | 0715 | 1115 | 240 | 6 | 6 | 6 | 1440 | | |
| 07 | OWA | WEST By # 2 ENTRANCE TO BOILER Rm W/A | 0717 | 1117 | 240 | 6 | 6 | 6 | 1440 | | |
| 08 | OWA | NORTH OF WASTE DECON ENTRANCE WITHIN 5 FT | 0719 | 1119 | 240 | 6 | 6 | 6 | 1440 | | |
| 09 | OWA | NE OF PERSONAL DECON ENTRANCE WITH IN 5FT | 1106 | 1529 | 263 | 6 | 6 | 6 | 1578 | | |
| 10 | OWA | SE OF BOILER Rm By MICROTRAP EXHAUST | 1108 | 1527 | 259 | 6 | 6 | 6 | 1554 | | |
| 11 | OWA | EAST OF BOILER Rm By MICROTRAP EXHAUST | 1110 | 1526 | 256 | 6 | 6 | 6 | 1536 | | |
| 12 | OWA | NE OF BOILER Rm BY MICROTRAP EXHAUST | 1112 | 1525 | 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 | 11.4.26 | | | | 11/4/26 | 540pm |
| RELINQUISHED BY: | SIGNATURE: | DATE: | TIME: | RECEIVED BY: | SIGNATURE: | DATE: | TIME: |
| AUDLEY A HINDS | Audley A Hinds | 11-4-26 | | | | | |

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

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☑ TEM
☐ PCM

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

SHIFT



| M | T | W | T | F | S | S |
|---|---|---|---|---|---|---|
| | | 8 | | | | |

DATE: 11/4/26

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

TECHNICIAN: AUDLEY A HINDS NYS CERT #: 26.62 01C SHAB

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

LABORATORY USE ONLY
LABORATORY PROCJECT #: TA2611 0006

| 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 ROOM CRITICAL | 1114 | 1524 | 250 | 6 | 6 | 6 | 1500 | | |
| 14 | OWA | SW OF #1 ENTRANCE TO BOILER RM WORK AREA | 1116 | 1523 | 247 | 6 | 6 | 6 | 1482 | | |
| 15 | OWA | WEST OF #2 ENTRANCE TO BOILER RM WORKAREA | 1118 | 1522 | 244 | 6 | 6 | 6 | 1464 | | |
| 16 | OWA | NORTH OF WASTE DECON ENTRANCE WITHIN 5FT | 1120 | 1521 | 241 | 6 | 6 | 6 | 1446 | | |
| 17 | | F/B | | | | | | | | | |
| 18 | | F/B | | | | | | | | | |
| 19 | | O/B | | | | | | | | | |
| | | | | | | | | | | | |
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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 | 11.4.26 | | Sam G | | 11/4/26 | 540pm |
| AUDLEY A HINDS | Audley A Hinds | 11.4.26 | | | | | |

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