



# Airborne Asbestos Analysis

By Transmission Electron Microscopy  
AHERA Methodology (40 CFR, Part 763, Subpart E, Appendix A)



**Customer:** Scientific Analytical Institute, Inc.  
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**Attn:** Nathan Durham

**Lab Order ID:** 10033055

**Analysis:** AHE

**Date Received:** 09/20/2023

**Date Reported:** 09/20/2023

**Project:** SAI TEM Demonstration Report

Sample ID	Description	Volume	Analytical Sensitivity (Str/cc)	Asbestos Structures	Raw Structure Count	Concentration (Str/cc)	Loading (Str/mm <sup>2</sup> )
Lab Sample ID	Lab Notes	Filter Area					
1	North Corner of Abatement Area	1500 L	0.00501	<b>Total Asbestos:</b> Chrysotile >0.5 to <5.0µm ≥ 5.0µm	<b>18</b> 18 15 3	<b>0.0902</b> 0.0902 0.0752 0.0150	<b>352</b> 352 293 58.6
		385 mm <sup>2</sup>					
		10033055_0001					
2	West Corner of Abatement Area	1500 L	0.00501	None Detected		<0.00501	<19.5
		385 mm <sup>2</sup>					
		10033055_0002					
3	Center of Containment Room	1500 L	0.00501	<b>Total Asbestos:</b> Chrysotile Amosite >0.5 to <5.0µm ≥ 5.0µm	<b>32</b> 22 10 25 7	<b>0.160</b> 0.110 0.0501 0.125 0.0351	<b>625</b> 430. 195 488 137
		385 mm <sup>2</sup>					
		10033055_0003					
4	East Containment Room Entrance	1500 L	0.00501	None Detected		<0.00501	<19.5
		385 mm <sup>2</sup>					
		10033055_0004					
5	Bagging Area	1500 L	0.00501	<b>Total Asbestos:</b> Chrysotile Tremolite Crocidolite >0.5 to <5.0µm ≥ 5.0µm	<b>19</b> 2 1 16 6 13	<b>0.0952</b> 0.0100 0.00501 0.0802 0.0301 0.0652	<b>371</b> 39.1 19.5 313 117 25.4
		385 mm <sup>2</sup>					
		10033055_0005					

Disclaimer: Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA IHPAT program. IHPAT Laboratory ID: 173190. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures/cm<sup>3</sup> and structures/mm<sup>2</sup> are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation. Unless indicated, areas and volumes were provided by the customer.

Ired Gulley (5)

Analyst

Approved Signatory

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