# Airborne Asbestos Analysis

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

NVLAP Lab Code: 200664-0

**Customer:** Scientific Analytical Institute, Inc.
4604 Dundas Dr.
Greensboro, NC 27407

**Attn:** Nathan Durham

**Project:** SAI TEM Demonstration Report

**Lab Order ID:** 400198
**Analysis ID:** 400198_AHE
**Date Received:** 2/16/2004
**Date Reported:** 2/16/2004

| Sample ID / *Lab Sample ID* | Description / *Lab Notes* | Volume / *Filter Area* / *Area Analyzed* | Analytical Sensitivity Str/cc | Asbestos Structures | Raw Structure Count | Concentration Str/cc | Loading Str/mm $^2$ |
|---|---|---|---|---|---|---|---|
| 1 | North Corner of Abatement Area | 1500 L | 0.00407 | **Total Asbestos:** | **15** | 0.0611 | **238** |
| | | *385 mm $^2$* | | Chrysotile | *15* | *0.0611* | *238* |
| | | | | *>0.5 to <5.0um* | *13* | *0.0530* | *206* |
| | | | | *≥5.0um* | *2* | *0.00815* | *31.8* |
| *400198AHE_1* | | *0.0630 mm$^2$* | | | | | |
| 2 | West Corner of Abatement Area | 1500 L | 0.00407 | None Detected | | <0.00407 | **<15.9** |
| | | *385 mm $^2$* | | | | | |
| *400198AHE_2* | | *0.0630 mm$^2$* | | | | | |
| 3 | Center of Containment Room | 1500 L | 0.00407 | **Total Asbestos:** | **32** | 0.130 | **508** |
| | | *385 mm $^2$* | | Chrysotile | *22* | *0.0896* | *349* |
| | | | | Amosite | *10* | *0.0407* | *159* |
| | | | | *>0.5 to <5.0um* | *25* | *0.102* | *397* |
| | | | | *≥5.0um* | *7* | *0.0285* | *111* |
| *400198AHE_3* | | *0.0630 mm$^2$* | | | | | |
| 4 | East Containment Room Entrance | 1500 L | 0.00407 | None Detected | | <0.00407 | **<15.9** |
| | | *385 mm $^2$* | | | | | |
| *400198AHE_4* | | *0.0630 mm$^2$* | | | | | |
| 5 | Bagging Area | 1500 L | 0.00407 | **Total Asbestos:** | **19** | 0.0774 | **302** |
| | | *385 mm $^2$* | | Crocidolite | *16* | *0.0652* | *254* |
| | | | | Chrysotile | *2* | *0.00815* | *31.8* |
| | | | | Tremolite | *1* | *0.00407* | *15.9* |
| | | | | *>0.5 to <5.0um* | *6* | *0.0244* | *95.2* |
| *400198AHE_5* | | *0.0630 mm$^2$* | | *≥5.0um* | *13* | *0.0530* | *206* |



Nathan Durham (5)

**Analyst**

**Approved Signatory**