Appendix A – Laboratory Reports
### Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90809-OFD-PMT-0</td>
<td>WP 083A AM Dan Beebe Trail</td>
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<td>Non-asbestos structures reported includes a contribution from non-regulated amphiboles</td>
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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5µ &lt; 5</th>
<th>≥5µ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>(S/cc)</th>
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</thead>
</table>

Analyst(s)

Aaron Hartley (10)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 08/14/2019 13:45:17
Printed: 8/14/2019 1:45:19PM
**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA**

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<th>Volume (L)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>≥0.5 μ</th>
<th>≥5 μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
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<tbody>
<tr>
<td>90809-OFD-BPT-01</td>
<td>WP088A AM Burma Road 01</td>
<td>1914.30</td>
<td>0.2080</td>
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<td>90809-OFD-BPT-02</td>
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<td>N/A</td>
<td></td>
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</tbody>
</table>

Analyst(s)

Aaron Hartley (4)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 08/14/2019 13:45:54

Printed: 8/14/2019 1:45:56PM
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
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<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5µ ≥5µ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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<td>90809-OFD-LRP-0</td>
<td>WP092A AM Launch Ramp Parking</td>
<td>1912.60</td>
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<td>&lt;0.0010</td>
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<td>None Detected</td>
<td>N/A</td>
<td>&lt;7.70</td>
<td>N/A</td>
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</table>

Analyst(s)
Aaron Hartley (6)

Lee Plumley, Laboratory Manager or other approved signatory

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Initial report from: 08/14/2019 13:45:36
**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA**

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<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥ 0.5μ &lt; 5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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</thead>
<tbody>
<tr>
<td>90810-OFD-PMT-01</td>
<td>WP 083A AM Dan Beebe Trail</td>
<td>1920.70</td>
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<td>None Detected</td>
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<td>90810-OFD-PMT-02</td>
<td>WP 249 AM Canyon Drive</td>
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<td>None Detected</td>
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</table>
### Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5µ &lt; 5</th>
<th>≥5µ</th>
<th>Analytical Sensitivity ($/cc)</th>
<th>Asbestos Concentration ($/mm²)</th>
<th>($/cc)</th>
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**Analyst(s)**

Mark Tate (10)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY.

Initial report from: 08/14/2019 15:21:00

Printed: 8/14/2019  3:52:33PM
**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA**

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<th>Location</th>
<th>Volume (Liters)</th>
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<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
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<tbody>
<tr>
<td>90810-OFD-BPT-01</td>
<td>WP088A AM Burma Rd 01</td>
<td>1940.40</td>
<td>0.2110</td>
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<td>None Detected</td>
<td>0.0009</td>
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<td>&lt;4.70</td>
<td>&lt;0.0009</td>
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</tr>
<tr>
<td>90810-OFD-BPT-02</td>
<td>WP088A PM Burma Rd 01</td>
<td>1935.90</td>
<td>0.2110</td>
<td>0</td>
<td>None Detected</td>
<td>0.0009</td>
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<td>&lt;4.70</td>
<td>&lt;0.0009</td>
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<td>0.1320</td>
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<td></td>
<td>&lt;7.60</td>
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**Analyst(s)**

Mark Tate (4)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY

Initial report from: 08/14/2019 09:13:36

**Performed by CARB-Modified AHERA**

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<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≤0.5μ &lt; 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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**Analyst(s):**

Mark Tate (6)

Rhonda McGee, Laboratory Manager

or other approved signatory

---

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Samples analyzed by EMSL Analytical, Inc., Depew, NY.
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
<th>Location</th>
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<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
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Non-asbestos structures reported include a contribution from non-regulated amphiboles.
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Volume (Liters)</th>
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<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>#Structures ≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²) (S/cc)</th>
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</table>

**Analyst(s)**
Jeffrey Deboo (10)

Michael DeCavallia, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing Huntington Beach, CA

Initial report from: 08/15/2019 11:26:31
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<td>Non-asbestos structures reported include a contribution from non-regulated amphiboles.</td>
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Analyst(s)
Jeffrey Deboo (4)

Michael DeCavallas, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing Huntington Beach, CA
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<tr>
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<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
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<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
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<th>Analytical Sensitivity (S/cc)</th>
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</table>

Non-asbestos structures reported include a contribution from non-regulated amphiboles.

**Analyst(s)**

Jeffrey Deboo (6)

---

LA Testing is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA.
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures &gt;0.5μ &lt; 5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
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Non-asbestos structures reported include a contribution from non-regulated amphiboles.

Initial report from: 08/20/2019 11:01:58
Printed: 08/20/2019 11:02:02AM
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<td></td>
<td>Volume (Liters)</td>
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Analyst(s)

William Bradford (10)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial report from: 08/20/2019 11:01:58

Printed: 8/20/2019 11:02:02AM
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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Report amended: 08/30/2019 15:08:11 Replaces initial report from: 08/20/2019 08:44:03 Reason Code: Data Entry-Change to Appearance

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**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA**

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<th>Sample</th>
<th>Location</th>
<th>Volume</th>
<th>Area Analyzed</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures</th>
<th>Analytical Sensitivity</th>
<th>Asbestos Concentration</th>
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**Analyst(s)**

William Bradford (4)

Shannon Ferguson, Laboratory Manager
or other approved signatory
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
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<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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**Sample Location**

- WP092A AM Launch Ramp Parking
- WP081A AM Launch Ramp Turnaround
- WP092A PM Launch Ramp Parking
- WP081A PM Launch Ramp Turnaround
- Field Blank 1
- Field Blank 2

**Analyst(s)**

William Bradford (6)

**Signatory**

Shannon Ferguson, Laboratory Manager

or other approved signatory

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### Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
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Non-asbestos structures reported includes a contribution from non-regulated amphiboles.
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
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<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>#Structures ≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
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Analyst(s)
Peter Donato (10)

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/16/2019 15:45:17
Printed: 8/16/2019 3:46:00PM
## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

### Sample Analysis

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### Analyst(s)

Peter Donato (4)

---

**Sample Notes:**

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

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**Initial report from:** 08/15/2019 17:18:30

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**Printed:** 8/15/2019 5:18:32PM

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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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</table>

Non-asbestos structures reported includes a contribution from non-regulated amphiboles.

Analyst(s): Peter Donato (6)

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/15/2019 16:11:27

Printed: 8/15/2019 4:12:16 PM
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
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<td>Sample</td>
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<td>Non Asb</td>
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<td>Analytical Sensitivity (S/cc)</td>
<td>Asbestos Concentration (S/mm²)</td>
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**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA**

**Analyst(s)**
- Melissa Newkirk (10)

---

Richard Harding, Laboratory Manager
or other approved signatory

---

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

---

Initial report from: 08/21/2019 13:54:41
Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Types | #Structures ≥0.5μ < 5μ | #Structures ≥5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Analyst(s)
Melissa Newkirk (6)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN
### Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
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<tr>
<td>161916472-0001</td>
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<tr>
<td>90814-OFD-LRP-0-2</td>
<td>WP081A AM Launch Ramp Turnaround</td>
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</tbody>
</table>

**Analyst(s)**

Melissa Newkirk (6)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

Initial report from: 08/20/2019 10:36:01

Printed: 8/20/2019 10:53:08AM
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5µ &lt; 5µ</th>
<th>≥5µ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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<tbody>
<tr>
<td>90815-OFD-PMT-0-1</td>
<td>WP 083A AM Dan Beebe Trail</td>
<td>1912.60</td>
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<td>WP 249 AM Canyon Drive</td>
<td>1902.80</td>
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<td>WP 246 AM Intake Yard</td>
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</table>
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²) (S/cc)</th>
</tr>
</thead>
</table>

Analyst(s)

Feng Liang (2)
Kyeong Corbin (8)

Jerry Drapala Ph.D, Laboratory Manager or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 08/21/2019 11:55:39

Printed: 8/21/2019 11:55:55AM
## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Asbestos Types</th>
<th>#Structures ≥0.5μ ≥5μ</th>
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<th>Asbestos Concentration (S/cc)</th>
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<td>90815-OFD-BPT-0</td>
<td>WP088A AM Burma Road 01</td>
<td>1910.70</td>
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<td>N/A</td>
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</tbody>
</table>

Non-asbestos structures reported include a contribution from non-regulated amphiboles.

Non-asbestos structures reported include a contribution from non-regulated amphiboles.

Analyst(s)
- Feng Liang (5)
- Kyeong Corbin (1)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<tr>
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<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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Non-asbestos structures reported include a contribution from non-regulated amphiboles.

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Non-
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<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ ≤ 5</th>
<th>#Structures ≥5μ</th>
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<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
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<td>&lt;0.0009</td>
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<td>N/A</td>
<td>N/A</td>
<td>&lt;7.70</td>
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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>#Structures</th>
<th>Analytical Sensitivity ($/cc)</th>
<th>Asbestos Concentration ($/mm²)</th>
<th>($/cc)</th>
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</table>

Analyst(s)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 08/21/2019 15:19:16

Printed: 8/21/2019 3:19:17PM
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures 0.5μ &lt; 5</th>
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<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
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</table>

Non-asbestos structures reported includes a contribution from non-regulated amphiboles.

Analyst(s)

Aaron Hartley (6)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC.

Initial report from: 08/21/2019 15:17:11
Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Types | #Structures 0.5µ < 5 | #Structures ≥5µ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
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Non-asbestos structures reported includes a contribution from non-regulated amphiboles.

Analyst(s)
Aaron Hartley (6)  

Lee Plumley, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC.

Initial report from: 08/21/2019 15:18:41

Printed: 8/21/2019  3:18:42PM
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ ≤ 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²) (S/cc)</th>
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<tbody>
<tr>
<td>90817-OFD-PMT-0 1</td>
<td>WP 083A AM Dan Beebe Trail</td>
<td>1934.10</td>
<td>0.2110</td>
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<td>&lt;0.0009</td>
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<td>WP 249 AM Canyon Drive</td>
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## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
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<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²) (S/cc)</th>
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---

**Analyst(s)**

Mark Tate (10)

Rhonda McGee, Laboratory Manager
or other approved signatory

---

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## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Location</th>
<th>Volume (Liters)</th>
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**Analyst(s)**

Mark Tate (4)

---

Rhonda McGee, Laboratory Manager
or other approved signatory

---

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Samples analyzed by EMSL Analytical, Inc. Depew, NY

---

Initial report from: 08/23/2019 11:49:26

Printed: 8/23/2019 11:51:11AM
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ ≤ 5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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<td>90817-OFD-LRP-0</td>
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Analyst(s)
Mark Tate (6)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc., Depew, NY.
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Volume (Liters)</th>
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Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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Analyst(s)

Derrick Young (10)

Lee Plumley, Laboratory Manager
or other approved signatory

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Analyst(s)          Aaron Hartley (4)  Lee Plumley, Laboratory Manager  or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC
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### Analyst(s)

Aaron Hartley (6)

Lee Plumley, Laboratory Manager
or other approved signatory
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Non-asbestos structures reported include a contribution from non-regulated amphiboles.
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Analyst(s)

William Bradford (10)

Shannon Ferguson, Laboratory Manager or other approved signatory

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Analyst(s)
- William Bradford (8)
- Shannon Ferguson, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
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<td>WP092A AM Launch Ramp Parking</td>
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<td>WP081A AM Launch Ramp Parking</td>
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<td>90819-OFD-LRP-0-03</td>
<td>WP092A PM Launch Ramp Parking</td>
<td>1952.10</td>
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</tbody>
</table>

Analyst(s)
William Bradford (6)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial report from: 08/27/2019 14:26:14
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
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<tbody>
<tr>
<td>90820-OFD-PMT-01</td>
<td>WP 083A AM Dan Beebe Trail</td>
<td>1924.20</td>
<td>0.2060</td>
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<td>None Detected</td>
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<tr>
<td>90820-OFD-PMT-02</td>
<td>WP 249 AM Canyon Drive</td>
<td>1918.90</td>
<td>0.2060</td>
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<td>None Detected</td>
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<tr>
<td>90820-OFD-PMT-03</td>
<td>WP 091A AM Upper Overlook</td>
<td>1911.70</td>
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<td>90820-OFD-PMT-04</td>
<td>WP 246 AM Intake Yard</td>
<td>1920.70</td>
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<td>90820-OFD-PMT-06</td>
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<td>&lt;7.80</td>
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Non-asbestos structures reported includes a contribution from non-regulated amphiboles.
## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>≥0.5μ &lt; 5</th>
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<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>(S/cc)</th>
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Analyst(s)

Peter Donato (10)

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/27/2019 17:23:45

Printed: 08/27/2019 5:25:39PM

Page 2 of 2
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
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<th>Area Analyzed (mm²)</th>
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<th>Asbestos Types</th>
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<th>Asbestos Concentration (S/cc)</th>
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<tr>
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<td>WP088A AM Burma Road 01</td>
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<td>N/A</td>
<td>&lt;7.80</td>
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</tbody>
</table>

**Analyst(s)**

Peter Donato (8)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

---

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/27/2019 12:34:50
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5µ &lt; 5</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
<th>Asbestos Concentration (S/cc)</th>
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<tr>
<td>90820-OFD-LRP-0-01</td>
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<td>1925.10</td>
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<td>90820-OFD-LRP-0-02</td>
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<td>N/A</td>
<td>&lt;7.80</td>
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</table>

Non-asbestos structures reported includes a contribution from non-regulated amphiboles.

Analyst(s)
Peter Donato (6)

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/26/2019 17:40:33
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
<th>Analytical Sensitivity $(S/cc)$</th>
<th>Asbestos Concentration $(S/cc)$</th>
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</thead>
<tbody>
<tr>
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<td>90821-OFD-PMT-02</td>
<td>WP 249 AM Canyon Drive</td>
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<td>90821-OFD-PMT-03</td>
<td>WP 091A AM Upper Overlook</td>
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<tr>
<td>90821-OFD-PMT-04</td>
<td>WP 246 AM Intake Yard</td>
<td>1913.50</td>
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Initial report from: 08/27/2019 06:31:15
Printed: 8/27/2019 10:29:23AM
**Sample** | **Location** | **Volume (Liters)** | **Area Analyzed (mm²)** | **Non Asb** | **Asbestos Types** | **#Structures ≥0.5μ < 5** | **≥5μ** | **Analytical Sensitivity (S/cc)** | **Asbestos Concentration (S/mm²) (S/cc)**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---

**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA**

**Analyst(s)**
Craig Nixon (10)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN
# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
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<th>#Structures ≥5µ</th>
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<th>Asbestos Concentration (S/mm²)</th>
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**Analyst(s):**
Craig Nixon (8)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
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</table>

Analyst(s)
Craig Nixon (3)
Melissa Newkirk (3)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc., Indianapolis, IN

Initial report from: 08/27/2019 14:41:13
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
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Non-asbestos structures reported include a contribution from non-regulated amphiboles.

Final report from: 08/27/2019 21:02:08
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

<table>
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<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures ≥0.5μ &lt; 5μ</th>
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<th>Asbestos Concentration (S/mm²)</th>
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Analyst(s)

Feng Liang (10)

Jerry Drapala Ph.D., Laboratory Manager or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 08/27/2019 21:02:08

Printed: 8/27/2019  9:02:15PM
Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>#Structures 0.5µ &lt; 5µ</th>
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<th>Asbestos Concentration (S/mm²)</th>
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Analyst(s)
Feng Liang (4)
Kyeong Corbin (4)

Jerry Drapala Ph.D, Laboratory Manager or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 08/29/2019 17:46:55
### Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

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<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Types</th>
<th>≥0.5μ ≤ 5</th>
<th>≥5μ</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/mm²)</th>
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Non-asbestos structures reported include a contribution from non-regulated amphiboles.

90824-OFD-LRP-F Field Blank 1 0.00 0.1290 0 None Detected N/A <7.80 N/A
90824-OFD-LRP-F Field Blank 2 0.00 0.1290 0 None Detected N/A <7.80 N/A

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Samples analyzed by LA Testing South Pasadena, CA

Kyeong Corbin (6)

Jerry Drapala Ph.D, Laboratory Manager or other approved signatory

Initial report from: 08/27/2019 10:49:24

Printed: 8/27/2019 10:49:45AM