Air and Emissions Asbestos

- **Shipments**: 411
- **Matrix**: Air and Emissions
- **Analyte**: Asbestos
- **Sample**: 2250
- **Technology**: TEM
- **Prep Method**: Target: 238 Struct/mm²
  - Limits: 23.8 to 547 Struct/mm²
- **Basis**: Manual Limits
- **Robust Mean**: 1042.7 Struct/mm²
  - Std Dev: 803.2197 Struct/mm²
  - Median: 976.8 Struct/mm²

**Totals for Matrix/Analyte/Technology**:
- Labs: 60
- Pass: 59
- Fail: 1
- Total: 61

**Totals for Matrix/Analyte**:
- Labs: 21
- Pass: 21
- Fail: 0
- Total: 21

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Air and Emissions Asbestos

- **Shipments**: 411
- **Matrix**: Air and Emissions
- **Analyte**: Asbestos
- **Sample**: 5362
- **Technology**: TEM
- **Prep Method**: Target: 61.1 Struct/mm²
  - Limits: 6.1 to 140 Struct/mm²
- **Basis**: Manual Limits
- **Robust Mean**: 175.6 Struct/mm²
  - Std Dev: 123.3053 Struct/mm²
  - Median: 155 Struct/mm²

**Totals for Matrix/Analyte/Technology**:
- Labs: 59
- Pass: 59
- Fail: 2
- Total: 61

**Totals for Matrix/Analyte**:
- Labs: 24
- Pass: 21
- Fail: 3
- Total: 24

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Potable Water Asbestos

- **Shipments**: 411
- **Matrix**: Potable Water
- **Analyte**: Asbestos
- **Sample**: 2360
- **Technology**: TEM
- **Prep Method**: Target: 10 MF/L
  - Limits: 2.94 to 15.7 MF/L
- **Basis**: Stat Linear Regression
- **Robust Mean**: 10 MF/L
  - Std Dev: 3.1292 MF/L
  - Median: 9.715 MF/L

**Totals for Matrix/Analyte/Technology**:
- Labs: 21
- Pass: 18
- Fail: 3
- Total: 24

---

Solid and Hazardous Waste Asbestos in Non-Friable Material-TEM

- **Shipments**: 411
- **Matrix**: Solid and Hazardous Waste
- **Analyte**: Asbestos in Non-Friable Material-TEM
- **Sample**: 5085
- **Technology**: TEM
- **Prep Method**: Target: 14.86%
  - Limits: 8.73 to 19.5%
- **Basis**: Robust Statistics (Normal Distribution)
- **Robust Mean**: 28%
  - Std Dev: 20.0433%
  - Median: 17.15%

**Totals for Matrix/Analyte/Technology**:
- Labs: 69
- Pass: 62
- Fail: 7
- Total: 76

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**Score Date**: 03/23/2018

**Proficiency Test Statistics**

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**Solid and Hazardous Waste Asbestos in Non-Friable Material-TEM**
Shipments: 411
Matrix: Solid and Hazardous Waste
Analyte: Asbestos in Non-Friable Material-TEM
Sample: 8112
Technology: TEM
Prep Method:
Target: 14.32 %
Limits: 9.82 to 18.6 %
Basis: Robust Statistics (Normal Distribution)
Robust Mean: 14.4 %
Std Dev: 5.5403 %
Median: 14.35 %

Test Results (End Groups Include Outliers)

<table>
<thead>
<tr>
<th>Number of Labs</th>
<th>9.8</th>
<th>10.8</th>
<th>11.8</th>
<th>12.8</th>
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<th>14.8</th>
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<th>16.8</th>
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<tbody>
<tr>
<td>Labs: Pass</td>
<td>1</td>
<td>2</td>
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<td>1</td>
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<td>1</td>
</tr>
<tr>
<td>Labs: Fail</td>
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<td>3</td>
<td>3</td>
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<td>3</td>
<td>3</td>
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</tr>
</tbody>
</table>

Totals for Matrix/Analyte/Technology:
Labs: Pass: 32 Fail: 6 Total: 38

Totals for Matrix/Analyte:
Labs: Pass: 32 Fail: 6 Total: 38