

**BAM-1020 PARTICULATE MATTER (PM) MONITOR
Calibration Data**

SITE NAME: KCBX NT-SE
 AQS Site Code: N/A
 DATE: 15-Apr-14
 TIME: 13:40

CLIENT: Koch
 SAMPLER ID: BAM
 Model Number: BAM-1020
 Serial Number: M4791

| 0.3 | | | | |
|--|------------------------------------|---|--|--|
| Leak Check ¹ : <input type="text" value="0.5"/> LPM | Flow Rate Calibration Device: BGI | | | |
| 1. Acceptance Criteria: < 0.5 LPM | | Model Number: deltaCal | | |
| Clock/Timer Verification ² : | Serial Number: 1377 | | | |
| BAM-1020 : <input type="text" value="13:45:20"/> | Certification Expiration: 01/21/15 | | | |
| Reference Time: <input type="text" value="13:46:00"/> | | | | |
| 2. Acceptance Criteria: within 60 sec. of Reference Time | | | | |
| Sampler Indicated Flow Rate (LPM) | Calibration Flow Rate (Qa) (LPM) | Percent Difference ³ (Sampler vs. Calibration) | Percent Difference ⁴ (Calibration vs. Design) | |
| 16.70 | 16.57 | 0.8% | -0.6% | |

The BAM-1020 operates using actual flow rates, and converts to standard conditions in the onboard data file

3. Acceptance Criteria: ± 4.0%

4. Acceptance Criteria: ± 5.0%

| TEMPERATURE Calibration Data | | | |
|--|---|---|--|
| Calibration Device: BGI Model Number: deltaCal Serial Number: 1377 Certification Expiration: 01/21/15 | Sampler Sensor Temperature (T _s) (°C) | Calibration Sensor Temperature (T _a) (°C) | Temperature Difference ⁵ (Sampler - Calibration) (°C) |
| | 0.4 | 0.4 | 0.0 |
| | 0.5 | 0.3 | 0.2 |
| | 0.8 | 0.8 | 0.0 |

5. Acceptance Criteria: ± 2.0 °C

| PRESSURE Calibration Data | | | |
|--|---|---|--|
| Calibration Device: BGI Model Number: deltaCal Serial Number: 1377 Certification Expiration: 01/21/15 | Sampler Sensor Pressure (P _s) (mm Hg) | Calibration Sensor Pressure (P _a) (mm Hg) | Pressure Difference ⁶ (Sampler - Calibration) (mm Hg) |
| | 750.0 | 750.0 | 0.0 |
| | 750.0 | 750.0 | 0.0 |
| | 750.0 | 750.0 | 0.0 |

6. Acceptance Criteria: ± 10.0 mm Hg

Calibration Tech: Greg Mazik

Note: NT-SE monitor is still very difficult to access due to deep mud and water.



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