

**CALIFORNIA AIR RESOURCES BOARD
MONTHLY QUALITY CONTROL MAINTENANCE CHECK SHEET
Met One BAM-1020 AIR SAMPLER**

PM 2.5 FEM PM 2.5 NON-FEM PM 10 FEM

Location: _____ Month/Year: _____
 Station Number: _____ Operator: _____
 Property Number: _____ Agency: _____

Operator Instructions:

- 1) Daily checks: Review station data logger values for correct operation of BAM-1020.
- 2) Weekly checks: Check filter tape & replace when necessary (approx. 2 months per roll).
- 3) Bi-weekly checks: Perform BAM-1020 flow and leak check.
- 4) Monthly checks: Complete and submit this Monthly Quality Control Maintenance Check Sheet.
 Thoroughly clean both PM 2.5 SCC/VSCC and PM10 FRM inlets.
 Check pump exit exhaust tubing and replace when needed.
 Download and submit data from BAM-1020 data logger.
 ESC 8832/ESC 8816: Low Output (E.U.s): _____ High Output (E.U.s): _____
 ESC 8800: Channel Intercept (Offset): _____ Channel Slope: _____
- 5) Semi-annual: Calibrate BAM-1020 Date last performed: _____
- 6) Annual: Value of Zero Background: _____ Date last performed: _____

Transfer Standard Used:

Make/Model	Serial/I.D.Number	Date Certified

Bi-Weekly Sampler Flow Rate, Ambient Temp, and Pressure Check Results:

Date:	Sampler	Standard	Difference	Control Limits*
				16.00 to 17.34(± .67 L/min)
				±2 °C
				±10 mm Hg
				< 1.0 L/min

Date:	Sampler	Standard	Difference	Control Limits*
				16.00 to 17.34(± .67 L/min)
				±2 °C
				±10 mm Hg
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Date:	Sampler	Standard	Difference	Control Limits*
				16.00 to 17.34(± .67 L/min)
				±2 °C
				±10 mm Hg
				< 1.0 L/min

If subsequent leak checks also exceed limits, initiate a course of action to troubleshoot the source of the leak, remedy, and if required, request a re-calibration.

Operator Comments:

Reviewed by: _____ Date: _____