BAM-1020 Audit Sheet

Model: BAM-1020 **Serial Number:** T21292

Audit Date: 8/8/16 **Audited By:** M. Potter

Flow Audits			
Flow Reference Standard Used:	Model: DeltaCal Dx1	Serial No: 1416294	Calibration Date: 1/16/16
Temperature Standard Used:	Model:	Serial No:	Calibration Date:
Barometric Pressure Standard Used:	Model:	Serial No:	Calibration Date:

Leak Check Value: as found: 0.8 lpm as left: 0.6 lpm

		BAM	Ref. Std.		BAM	Ref. Std.	
Ambient Temperature:	as found:	34.9 C	34 C	as left:	34.9 C	34 C	N/A ☐
Barometric Pressure:	as found:	746 mmHg	746 mmHg	as left:	746 mmHg	746 mmHg	
Flow Rate (Actual Volumetric):	as found:	16.7 lpm	16.6 lpm	as left:	16.7 lpm	16.1 lpm	N/A ☐
Flow Rate (EPA Standard):	as found:	slpm	slpm	as left:	slpm	slpm	N/A ☒

Mechanical Audits

Pump muffler unclogged:	as found ☐	as left ✓		PM10 particle trap clean:	as found ☐	as left ✓	N/A ☐
Sample nozzle clean:	as found ☐	as left ✓		PM10 drip jar empty:	as found ☐	as left ✓	N/A ☐
Tape support vane clean:	as found ☐	as left ✓		PM10 bug screen clear:	as found ☐	as left ✓	N/A ☐
Capstan shaft clean:	as found ☐	as left ✓		PM2.5 particle trap clean:	as found ☐	as left ☐	N/A ✓
Rubber pinch rollers clean:	as found ☐	as left ✓		Inlet tube water-tight seal OK:	as found ✓	as left ✓	
Chassis ground wire installed:	as found ✓	as left ✓		Inlet tube perpendicular to BAM:	as found ✓	as left ✓	

Analog Voltage Output Audit N/A ☐

DAC Test Screen	BAM Voltage Output	Logger Voltage Input
0.000 Volts	Volts	Volts
0.500 Volts	Volts	Volts
1.000 Volts	Volts	Volts

Membrane Audit

LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range

Flow Setpoint	BAM Flow
15.0 LPM	
16.7 LPM	
18.4 LPM	

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date			FLOW TYPE			AP		
RS232 baud			Cv			FRl		
STATION #			Qo			FRh		
RANGE			ABS			Password		
BAM SAMPLE			µ sw			Cycle Mode		
MET SAMPLE			K Factor			RH Control		
OFFSET			BKGD			RH Setpoint		
CONC UNITS			STD TEMP			Datalog RH		
COUNT TIME			HEATER			Delta-T Control		
FLOW RATE			el			Delta-T Setpoint		
CONC TYPE			Errors			Datalog Delta-T		

Last 6 Errors in BAM-1020 Error Log

	Error	Date	Time		Error	Date	Time
1	Maintenance	8/8	12:27	4	Tape latch	7/1	12:20
2	Power Fail	7/1	17:28	5	Maintenance	7/1	12:05
3	Flow Self Test	7/1	13:15	6	Tape latch	7/1	12:05

Audit Notes: System Running on arrival, Tape Test = Passed
System Data Downloaded.