

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 04/03/2018  
Effective: 04/04/2018

Version: DMEF2018 R0  
Status: Active

Instrument # 100667

Date: 02/26/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Returned from factory

2. Visual Inspection

Clean

Replace missing screws

Cermetex Box is secure

Ensure modem cable present

Gas Valve upright or secured to wall

All tubing and connections are secure

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Board jumper present.

Repeated internal standard failures on diagnostics and  
VOCs.

5. VOC (attached)

6. Internal Standard value  $\leq 3.00\%$  Yes

No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100667

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/26/2020

## External Standard Test Values

## Diagnostic Check

VERSIONS  
DMT: 3.02 ✓  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 43.9°C PASSED  
(38.0°C - 50.0°C)  
Simulator Hose = 45.5°C PASSED  
(41.0°C - 49.0°C)

### SETTINGS

Lamp Voltage = 1.94 V PASSED  
(1.15 V - 2.67 V)  
Cooler Voltage = 1.93 V PASSED  
(1.13 V - 2.63 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 522 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.2 in

### PUMP INFO

Flow Rate = 5.135 L/M PASSED  
(3.500 L/M - 6.500 L/M)

### DETECTOR INFO

PUMP ON PASSED  
(0.001 V <= 0.010 V)  
PUMP OFF PASSED  
(0.001 V <= 0.010 V)

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

### INTERNAL STANDARD

Xq = 0.112 5.92% (0.00% - 4.00%) FAILED

Diagnostic Check Failed