

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100666

Date: 07/30/2018

Analyst: Derek Walter

1. Reason for instrument evaluation

Internal standard errors

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

Replaced o-ring. Detector voltage steady at 1.2 V.

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 #: 100666

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/30/2018

External Standard Test Values

Diagnostic Check

VERSIONS

DMT 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 43.9°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.62 V PASSED
(0.97 V - 2.27 V)
Cooler Voltage = 1.53 V PASSED
(0.98 V - 2.28 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 522 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 30.0 in

PUMP INFO

Flow Rate = 5.074 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

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

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xg = 0.091 4.62% (0.00% - 4.00%) FAILED

Diagnostic Check Failed