

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100400

Analyst(s): Carlisle Glaister

Start Date: 11/3/25

Reason for Repair

Elevated filter 3 readings not fixed by Adjustment, cooler voltage too high on rejected calibration

Troubleshooting/Repair

Cleaned internal standard & filters with isopropyl alcohol.

☒ VOC (attached)

☒ VOC Internal Standard value $\leq 3.00\%$

☒ Verify software version

☒ Non-Drinking Subject Test (attached)

☒ Ready for Adjustment

☐ Further Repair Needed

☐ Proceed to Close Out

☐ Ready for Calibration

☐ Return to Factory

OK
11/3/25

End Date: 11/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100400

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.6°C
(44.0°C - 52.0°C)

PASSED

Breath Tube = 46.3°C
(38.0°C - 50.0°C)

PASSED

SETTINGS

Lamp Voltage = 1.68 V
(1.01 V - 2.37 V)

PASSED

Cooler Voltage = 1.99 V
(1.19 V - 2.79 V)

PASSED

Bias Voltage = 78 V
(47 V - 109 V)

PASSED

Chopper Freq = 510 Hz
(475 Hz - 575 Hz)

PASSED

Barometer = 29.5 in

PUMP INFO

Flow Rate = 4.687 L/M
(3.500 L/M - 6.500 L/M)

PASSED

DETECTOR INFO

PUMP ON
(0.002 V <= 0.010 V)

PASSED

PUMP OFF
(0.002 V <= 0.010 V)

PASSED

FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

INTERNAL STANDARD

Xq = 0.103 5.87% (0.00% - 4.00%)

FAILED

Diagnostic Check Failed