

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100416

Analyst(s): Carlie Glaister

Start Date: 11/3/25

Reason for Repair

Failed calibration due to Interference Detected on 0.100 linearity
(filter 3)

Troubleshooting/Repair

Replaced detector. Cleaned filters & internal
standard 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

End Date: 11/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

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 = 48.7°C

PASSED

(44.0°C - 52.0°C)

Breath Tube = 40.6°C

PASSED

(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.60 V

PASSED

(0.95 V - 2.21 V)

Cooler Voltage = 1.51 V

PASSED

(0.92 V - 2.14 V)

Bias Voltage = 82 V

PASSED

(49 V - 115 V)

Chopper Freq = 514 Hz

PASSED

(475 Hz - 575 Hz)

Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.646 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

FAILED

Xq = 0.185 104.51% (0.00% - 4.00%)

Diagnostic Check Failed