

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100386
Start Date: 4/26/2023 / 10/29/2026

Analyst(s): C.O'Bryant

Reason for Repair

Filter wheel solenoid wires flaking, would not upload
via modem during check in and evaluation

Troubleshooting/Repair

Replaced solenoid. - instrument having
internal standard errors on attempted VOCs.
Filter wheel tests completed 102 cycles without
errors.

Replaced Cermeket box - instrument connected
and uploaded.

* Unable to perform due to IT errors. Recommend
Adjustment

* VOC (attached) 08/2026 Verify software version _____
 VOC Internal Standard value \leq 3.00% Non-Drinking Subject Test (attached)

Ready for Adjustment
 Further Repair Needed
 Proceed to Close Out

Ready for Calibration
 Return to Factory

End Date: 10/29/2026

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All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/29/2026

External Standard Test Values

Diagnostic Check

VERSIONS
DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2 2

TEMPERATURES

Sample Chamber = 49.4 °C PASSED
Breath Tube = 44.3 °C PASSED

PUMP INFO
Flow Rate = < .727 L/M PASSED

DETECTOR INFO
PUMP ON FAILED
PUMP OFF FAILED

FILTER INFO
Filter 1 PASSED
Filter 2 FAILED
Filter 3 PASSED

INTERNAL STANDARD FAILED

Diagnostic Check Failed

VERIFICATION OF CALIBRATION REPORT

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Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/29/2026

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.4 °C
(44.0 °C - 52.0 °C) PASSED
Breath Tube = 44.3 °C
(38.0 °C - 50.0 °C) PASSED

SETTINGS

Lamp Voltage = 1.93 V
(1.00 V - 2.34 V) PASSED
Cooler Voltage = 1.68 V
(1.01 V - 2.35 V) PASSED
Bias Voltage = 79 V
(47 V - 111 V) PASSED
Chopper Freq = 509 Hz
(475 Hz - 575 Hz) PASSED
Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.727 L/M
(3.500 L/M - 6.500 L/M) PASSED

DETECTOR INFO

PUMP ON
(0.071 V <= 0.010 V) FAILED
PUMP OFF
(0.033 V <= 0.010 V) FAILED

FILTER INFO

Filter 1 PASSED
Filter 2 FAILED
Filter 3 PASSED

INTERNAL STANDARD

Xg = 0.121 31.2% (0.00% - 4.00%) FAILED

Diagnostic Check Failed

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/29/2026

External Standard Test Values

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8 °C PASSED
Breath Tube = 45.2 °C PASSED

PUMP INFO
Flow Rate = 4.698 L/M PASSED

DETECTOR INFO
PUMP ON PASSED
PUMP OFF PASSED

FILTER INFO
Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD FAILED

Diagnostic Check Failed