

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100682

Analyst/Technician(s): Derek Walton

Start Date: 07/23/25

Date Instrument Received: 07/23/25

Reason for instrument evaluation

Internal standard errors

Visual Inspection:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | |
| <input checked="" type="checkbox"/> Attach VOC | <input type="checkbox"/> VOC Internal Standard $\leq 3.00\%$ |
| <input checked="" type="checkbox"/> Verify software version | |

Condition of item: ☒ No apparent damage ☐ Damaged

NOTE: As Found Linearity is required if the instrument is not damaged and the internal standard value is not more than 4.00%

As Found Conditions (if performed):

Barometric Pressure (inHg): 29.82 Temperature (C): 21.8 Relative Humidity (%) 36

Linearity Test Levels (g/210L): 0.020, 0.080, 0.300

Notes: Replaced regulator o-ring - front right top panel screw broken off.
5 way valve feels sticky. Recommend repair to address 5 way valve.

☐ Attach Non-Drinking Subject Test Not performed jmw 07/23/25

Conclusion:

- | | |
|--|--|
| <input type="checkbox"/> Ready for Adjustment | <input checked="" type="checkbox"/> Needs Repair |
| <input type="checkbox"/> Ready for Calibration | |

Lab Work End Date: 07/23/25

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100682

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/23/2025

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 = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.55 V PASSED
(1.44 V - 3.36 V)
Cooler Voltage = 1.96 V PASSED
(1.19 V - 2.79 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 519 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.708 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 STANDARDS

Xq = 0.098 4.11% (0.00% - 4.00%) FAILED

Diagnostic Check Failed