

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100681

Analyst/Technician(s): C.O. Bryant

Start Date: 1/14/26

Date Instrument Received: 1/14/26

Reason for instrument evaluation

Screen wouldn't turn on

Visual Inspection:

- Clean
- Replace missing screws
- Cermetex Box (modem) is secure
- Ensure modem cable present
- Double Check Valve secured to wall
- All tubing and connections secure
- O-ring inspection and ensure 2 replacement O-rings in bag Solenoid wires are frayed.
- Attach VOC
- VOC Internal Standard $\leq 3.00\%$
- 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): 29.86 Temperature (C): 17.8 Relative Humidity (%): 14

Linearity Test Levels (g/210L): ~~0.020, 0.080, 0.300~~ COB 1/15/26

Notes: Frayed solenoid wires are causing the instrument to restart the instrument each time the lid is open. Solenoid needs to be replaced due to the damaged wire.

No linearity performed due to restarting issue.

Attach Non-Drinking Subject Test

Conclusion:

- Ready for Adjustment
- Needs Repair
- Ready for Calibration

Lab Work End Date: 1/14/26

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100681

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/14/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.59: 0.079
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1059 psi

BLANK TEST	0.000	13:32
INTERNAL STANDARD	VERIFIED	13:32
Xq = 0.108 (1.32%)		
EXTERNAL STANDARD	0.078	13:32
X[1] = 0.0777 (-0.0026) (0.0005)		
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.078	13:33
X[1] = 0.0780 (-0.0024) (0.0000)		
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.078	13:34
X[1] = 0.0778 (-0.0033) (0.0008)		
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.078	13:35
X[1] = 0.0778 (-0.0032) (0.0011)		
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.078	13:36
X[1] = 0.0781 (-0.0028) (0.0009)		
BLANK TEST	0.000	13:37

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 5.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 43.1°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 1.70 V (1.02 V - 2.38 V)	PASSED
Cooler Voltage = 1.60 V (0.92 V - 2.14 V)	PASSED
Bias Voltage = 78 V (47 V - 109 V)	PASSED
Chopper Freq = 512 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 4.390 L/M (3.500 L/M - 6.500 L/M)	PASSED
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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 = 0.108 (1.49%) (0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100681

Date: 01/15/2026
Time: 12:08:55

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

OPERATOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 26-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.87: 0.080
LOT #: AG436502
EXPIRATION: 12/30/2026

DIAGNOSTIC CHECK	PASSED	12:10
BLANK TEST	0.000	12:10
INTERNAL STANDARD	VERIFIED	12:10
EXTERNAL STANDARD	0.079	12:10
BLANK TEST	0.000	12:11
SUBJECT SAMPLE (Vol=2.32L)	0.000	12:11
BLANK TEST	0.000	12:12
EXTERNAL STANDARD	0.079	12:12
BLANK TEST	0.000	12:13

