

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100697

Analyst(s): Karija Swisher

Start Date: 7/7/25

Reason for Repair

Screen found broken during calibration, unable to turn on with instrument.

Troubleshooting/Repair

Replaced screen. Screen now works as normal.

☒ 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: 7/8/25

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100697

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/08/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.43: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 1199 psi

BLANK TEST 0.000 07:44

INTERNAL STANDARD VERIFIED 07:44

Xq = 0.082 (0.32%)

EXTERNAL STANDARD 0.079 07:44

X[1] = 0.0792 (0.0000) (0.0010)

BLANK TEST 0.000 07:45

EXTERNAL STANDARD 0.079 07:45

X[1] = 0.0789 (-0.0008) (0.0000)

BLANK TEST 0.000 07:46

EXTERNAL STANDARD 0.079 07:46

X[1] = 0.0789 (-0.0005) (0.0003)

BLANK TEST 0.000 07:47

EXTERNAL STANDARD 0.078 07:47

X[1] = 0.0784 (-0.0011) (0.0001)

BLANK TEST 0.000 07:48

EXTERNAL STANDARD 0.079 07:48

X[1] = 0.0788 (-0.0006) (0.0002)

BLANK TEST 0.000 07:49

Average = 0.0788

Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 47.4°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.70 V PASSED
(1.02 V - 2.38 V)

Cooler Voltage = 1.69 V PASSED
(1.01 V - 2.37 V)

Bias Voltage = 80 V PASSED
(48 V - 112 V)

Chopper Freq = 521 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.126 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.002 V <= 0.010 V)

PUMP OFF PASSED
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.081 1.38% (0.00% - 4.00%) PASSED

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100697

Date: 07/08/2025
Time: 07:52:39

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.43: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK		PASSED	07:53
BLANK TEST	0.000	0.000	07:53
INTERNAL STANDARD	VERIFIED	0.079	07:53
EXTERNAL STANDARD	0.079	0.079	07:54
BLANK TEST	0.000	0.000	07:55
SUBJECT SAMPLE (Vol=2.01L)	0.000	0.000	07:55
BLANK TEST	0.000	0.000	07:56
EXTERNAL STANDARD	0.079	0.079	07:56
BLANK TEST	0.000	0.000	07:57

KS

