

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100675

Analyst(s): Derek Watton

Start Date: 10/20/25

Reason for Repair

Internal Standard errors on Evaluation

Troubleshooting/Repair

Cleaned internal Standard plate with 100% Isopropanol.



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: 10/20/25

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/20/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.26: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 347 psi

BLANK TEST	0.000	13:14
INTERNAL STANDARD	VERIFIED	13:14
Xq = 0.101 (3.11%)		
EXTERNAL STANDARD	0.076	13:15
X[1] = 0.0765 (-0.0030) (-0.0024)		
BLANK TEST	0.000	13:16
EXTERNAL STANDARD	0.076	13:16
X[1] = 0.0759 (-0.0032) (-0.0017)		
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.076	13:17
X[1] = 0.0764 (-0.0029) (-0.0016)		
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.077	13:18
X[1] = 0.0773 (-0.0028) (-0.0021)		
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.077	13:19
X[1] = 0.0765 (-0.0032) (-0.0020)		
BLANK TEST	0.000	13:20

Average = 0.0764

Std Dev = 0.0005

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 = 43.2°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.19 V PASSED
(1.31 V - 3.07 V)

Cooler Voltage = 1.98 V PASSED
(1.16 V - 2.70 V)

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

Chopper Freq = 526 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.3 in

PUMP INFO

Flow Rate = 4.715 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

(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD PASSED

Xq = 0.102 2.10% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 10/20/2025
Time: 13:29:13

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:31
BLANK TEST	0.000	13:31
INTERNAL STANDARD	VERIFIED	13:31
$X_q = 0.102$ (2.19%)		
EXTERNAL STANDARD	0.077	13:31
$X[1] = 0.0774$ (-0.0022)	(-0.0009)	
BLANK TEST	0.000	13:32
SUBJECT SAMPLE (Vol=4.46L)	0.000	13:33
$X[1] = 0.0008$ (-0.0023)	(-0.0013)	
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.076	13:34
$X[1] = 0.0761$ (-0.0015)	(-0.0002)	
BLANK TEST	0.000	13:35

DMW

