

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100392

Analyst(s): Derek Walton

Start Date: 01/09/26

Reason for Repair

Filter wheel solenoid wires flaking badly during Adjustment

Troubleshooting/Repair

Replaced filter wheel solenoid. Ran filter wheel test-
zero errors in 26 cycles. Adjusted cooler voltage.
Reset options due to printing 2 subject test copies.

☒ 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: 01/09/26

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100392

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/09/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 28.98: 0.077

LOT #: AG436502

EXPIRATION: 12/30/2026

TANK PRESSURE: 1132 psi

BLANK TEST 0.000 09:26

INTERNAL STANDARD VERIFIED 09:26

Xq = 0.100 (0.44%)

EXTERNAL STANDARD 0.076 09:26

X[1] = 0.0759 (-0.0031) (0.0013)

BLANK TEST 0.000 09:27

EXTERNAL STANDARD 0.077 09:28

X[1] = 0.0770 (-0.0032) (0.0012)

BLANK TEST 0.000 09:28

EXTERNAL STANDARD 0.077 09:29

X[1] = 0.0771 (-0.0032) (0.0012)

BLANK TEST 0.000 09:30

EXTERNAL STANDARD 0.077 09:30

X[1] = 0.0767 (-0.0032) (0.0012)

BLANK TEST 0.000 09:31

EXTERNAL STANDARD 0.077 09:31

X[1] = 0.0770 (-0.0027) (0.0013)

BLANK TEST 0.000 09:32

Average = 0.0768

Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED

(44.0°C - 52.0°C)

Breath Tube = 45.1°C PASSED

(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.76 V PASSED

(1.06 V - 2.46 V)

Cooler Voltage = 1.68 V PASSED

(0.94 V - 2.20 V)

Bias Voltage = 80 V PASSED

(48 V - 112 V)

Chopper Freq = 526 Hz PASSED

(475 Hz - 575 Hz)

Barometer = 29.0 in

PUMP INFO

Flow Rate = 4.570 L/M PASSED

(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED

(0.003 V <= 0.010 V)

PUMP OFF PASSED

(0.002 V <= 0.010 V)

FILTER INFO

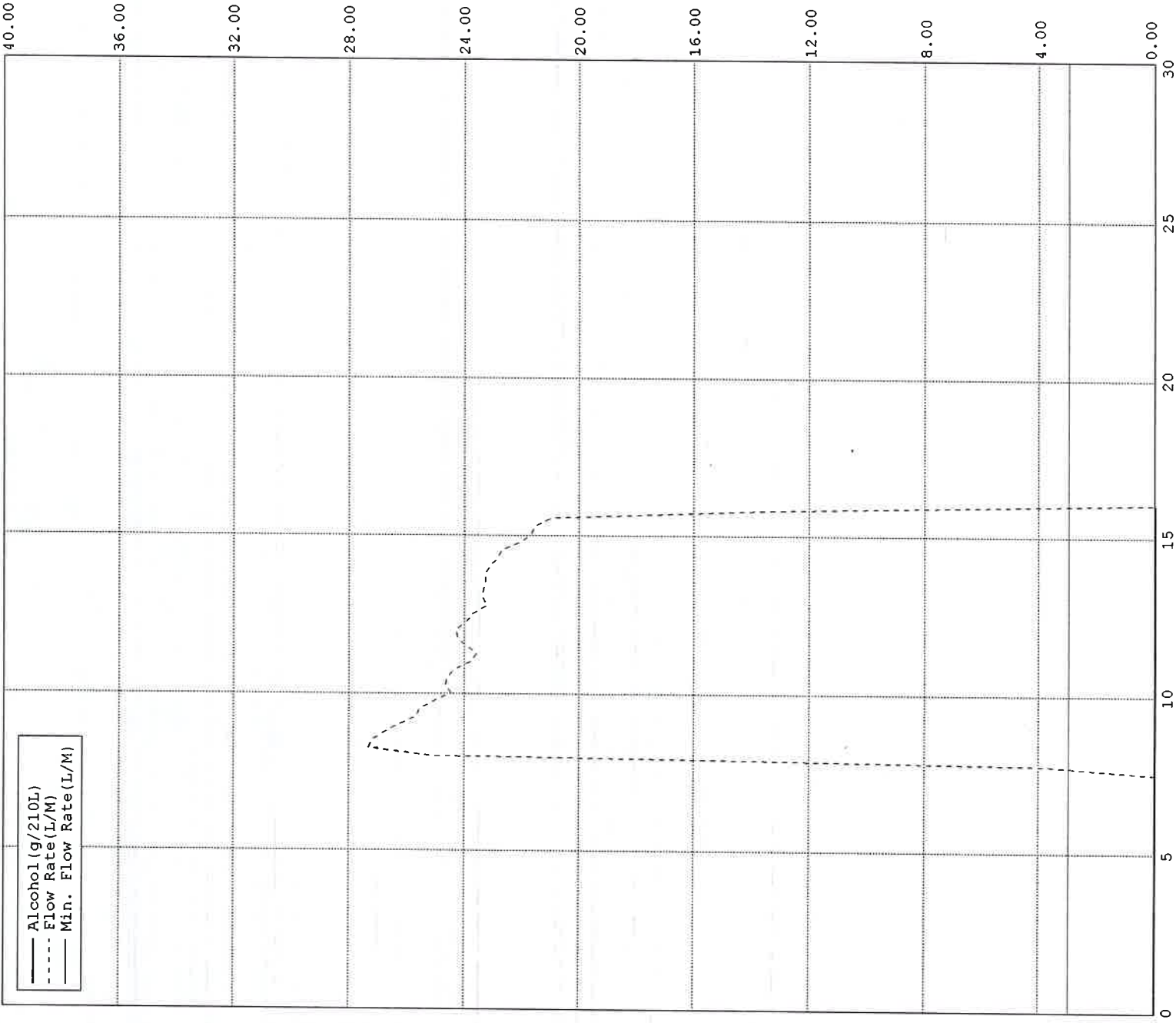
Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD PASSED

Xq = 0.098 1.93% (0.00% - 4.00%)



SUBJECT TEST	
Alaska Department of Public Safety DATAMASTER dmt: 100392	
Date: 01/09/2026 Time: 09:37:12	
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 28.97: 0.077 LOT #: AG436502 EXPIRATION: 12/30/2026	
DIAGNOSTIC CHECK	PASSED 09:38
BLANK TEST	0.000 09:38
INTERNAL STANDARD	VERIFIED 09:38
Xg = 0.099 (0.61%)	
EXTERNAL STANDARD	0.076 09:38
X[1] = 0.0765 (-0.0022) (0.0018)	
BLANK TEST	0.000 09:39
SUBJECT SAMPLE (Vol=3.18L)	0.000 09:39
X[1] = 0.0000 (0.0000) (0.0000)	
BLANK TEST	0.000 09:40
EXTERNAL STANDARD	0.077 09:41
X[1] = 0.0773 (-0.0020) (0.0010)	
BLANK TEST	0.000 09:41

DWM