

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100676

Analyst(s): Megan Carlock

Start Date: 12/16/24

Reason for Repair

Returned for a damaged breath hose.

Troubleshooting/Repair

Replaced breath hose with a new one.

Reset RFI frequency and verified air passes through
the new breath hose.

☒ VOC (attached)

☒ VOC Internal Standard value $\leq 3.00\%$

☒ Verify software version

☒ Non-Drinking Subject Test (attached) [MNC 1/10/2025](#)

☐ Ready for Adjustment

☐ Further Repair Needed

☐ Proceed to Close Out

☒ Ready for Calibration

☐ Return to Factory

End Date: 12/10/24

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100676

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/10/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.65: 0.079

LOT #: 09523080A1

EXPIRATION: 05/05/2025

TANK PRESSURE: 239 psi

BLANK TEST	0.000	10:02
INTERNAL STANDARD	VERIFIED	10:02
Xq = 0.089 (1.73%)		
EXTERNAL STANDARD	0.079	10:02
X[1] = 0.0791 (0.0002) (0.0049)		
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.079	10:03
X[1] = 0.0792 (-0.0003) (0.0048)		
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.079	10:04
X[1] = 0.0790 (0.0000) (0.0042)		
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.079	10:05
X[1] = 0.0793 (-0.0002) (0.0041)		
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.080	10:06
X[1] = 0.0798 (0.0007) (0.0039)		
BLANK TEST	0.000	10:07

Average = 0.0792

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
(44.0°C - 52.0°C) PASSED

Breath Tube = 38.3°C
(38.0°C - 50.0°C) PASSED

SETTINGS

Lamp Voltage = 1.62 V
(0.98 V - 2.30 V) PASSED

Cooler Voltage = 1.74 V
(1.02 V - 2.38 V) PASSED

Bias Voltage = 78 V
(47 V - 109 V) PASSED

Chopper Freq = 534 Hz
(475 Hz - 575 Hz) PASSED

Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.155 L/M
(3.500 L/M - 6.500 L/M) PASSED

DETECTOR INFO

PUMP ON
(0.004 V <= 0.010 V) PASSED

PUMP OFF
(0.003 V <= 0.010 V) PASSED

FILTER INFO

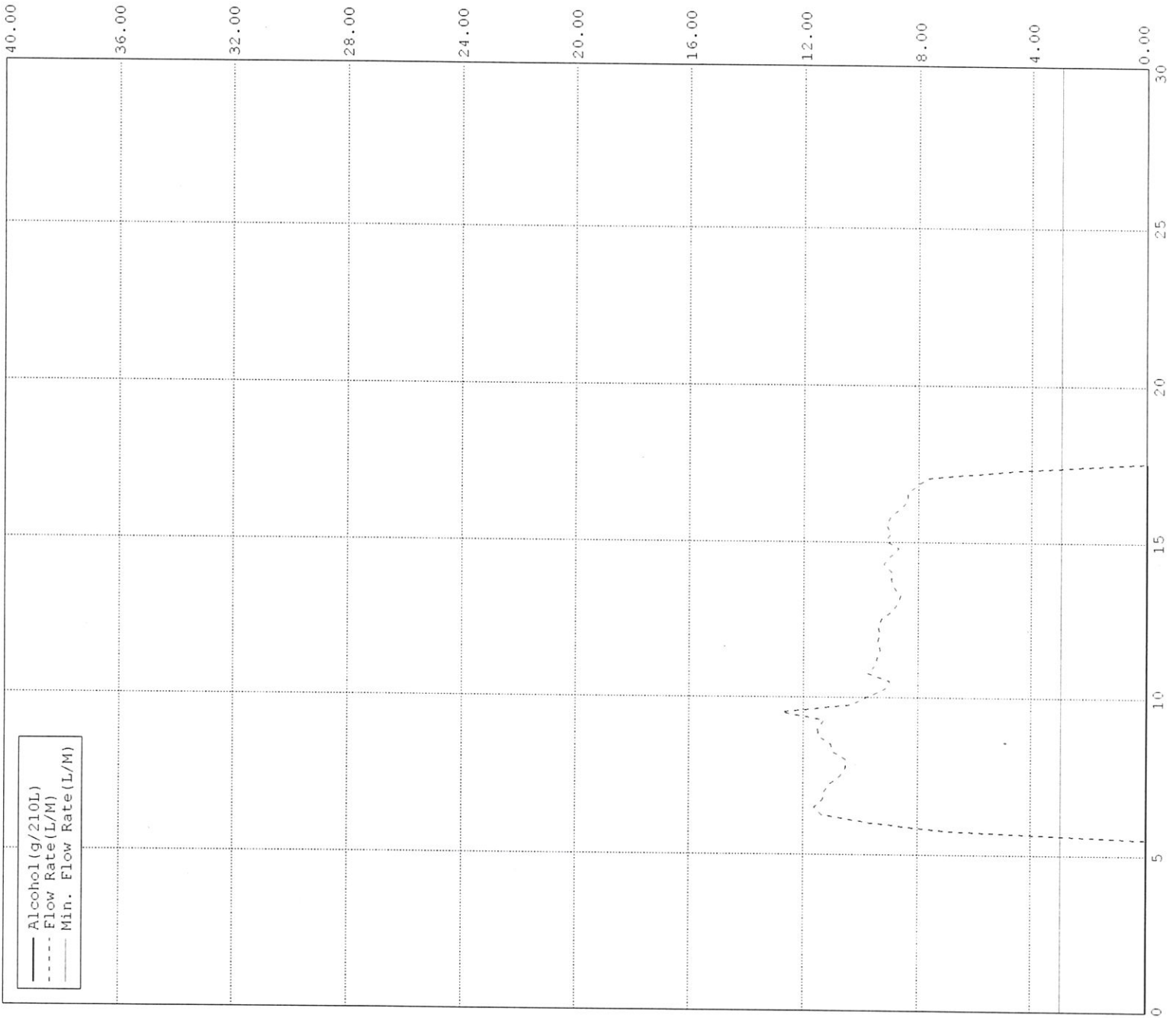
Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.089 1.44% (0.00% - 4.00%) PASSED



SUBJECT TEST	

Alaska Department of Public Safety	
DATAMASTER dmt: 100676	

Date: 12/10/2024	
Time: 10:09:25	
SUBJECT NAME:	
TEST TEST	
LICENSE #: XXX	
OPERATOR NAME:	
MEGAN CARLOCK	
OPERATOR'S #: 10747	
DEPT/AGENCY:	
NON-DRINKING SUBJECT TEST	
CASE/REPORT: XXX	
TEST TYPE: TEST	
EXTERNAL STANDARD INFORMATION	
NOMINAL: 0.080	
TARGET AT 29.66: 0.079	
LOT #: 09523080A1	
EXPIRATION: 05/05/2025	
DIAGNOSTIC CHECK	PASSED 10:10
BLANK TEST	0.000 10:10
INTERNAL STANDARD	VERIFIED 10:10
EXTERNAL STANDARD	0.079 10:10
BLANK TEST	0.000 10:11
SUBJECT SAMPLE (Vol=1.88L)	0.000 10:12
BLANK TEST	0.000 10:13
EXTERNAL STANDARD	0.080 10:13
BLANK TEST	0.000 10:14

MNC