

# Alaska Scientific Crime Detection Laboratory

## DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100422

Analyst(s): Kayla Swisher

Start Date: 12/5 - 12/16/24

### Reason for Repair

Frozen screen, Touch screen issues.

### Troubleshooting/Repair

Replaced plastic spacers for screws and loosened screws attaching screen. After replacing spacers the instrument was left on for a week. The instrument was checked intermittently throughout the week. Screen seems to be working properly.

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: 12/16/24

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Approved by: Chemistry Supervisor

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100422

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/16/2024

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.58: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 903 psi

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
Xq = 0.108 (0.96%)		
EXTERNAL STANDARD	0.078	10:49
X[1] = 0.0778 (-0.0006) (0.0013)		
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.079	10:50
X[1] = 0.0786 (0.0003) (0.0011)		
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.078	10:52
X[1] = 0.0785 (-0.0009) (0.0007)		
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.078	10:53
X[1] = 0.0779 (-0.0010) (0.0013)		
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.078	10:54
X[1] = 0.0782 (-0.0009) (0.0012)		
BLANK TEST	0.000	10:55

Average = 0.0782  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 49.5°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.8°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 2.04 V	PASSED
(1.15 V - 2.67 V)	
Cooler Voltage = 1.75 V	PASSED
(1.11 V - 2.59 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

### PUMP INFO

Flow Rate = 5.006 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.004 V <= 0.010 V)	
PUMP OFF	PASSED
(0.004 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.108 1.37% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100422

Date: 12/16/2024  
Time: 11:10:44

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 29.59: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	11:11
BLANK TEST	0.000	11:11
INTERNAL STANDARD	VERIFIED	11:11
EXTERNAL STANDARD	0.078	11:12
BLANK TEST	0.000	11:13
SUBJECT SAMPLE (Vol=2.61L)	0.000	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.079	11:14
BLANK TEST	0.000	11:15

KS

