

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100422

Analyst(s): Megan Carlock

Start Date: 10/29/24

Reason for Repair

Screen was experiencing intermittent response in field and during evaluation.

Troubleshooting/Repair

Touch screen was replaced. New screen was operational during the VOC and non-drinking subject test.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Ready for Adjustment | <input checked="" type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Further Repair Needed | <input type="checkbox"/> Return to Factory |
| <input type="checkbox"/> Proceed to Close Out | |

End Date: 10/29/24

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100422

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/29/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1008 psi

BLANK TEST	0.000	13:09
INTERNAL STANDARD	VERIFIED	13:09
Xq = 0.109 (0.64%)		
EXTERNAL STANDARD	0.077	13:09
X[1] = 0.0773 (-0.0007) (0.0001)		
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.077	13:10
X[1] = 0.0767 (0.0003) (0.0003)		
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.077	13:12
X[1] = 0.0766 (0.0001) (-0.0001)		
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.077	13:13
X[1] = 0.0768 (-0.0008) (0.0000)		
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.077	13:14
X[1] = 0.0773 (0.0003) (0.0011)		
BLANK TEST	0.000	13:15

Average = 0.0770
Std Dev = 0.0000

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 = 45.1°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 = 518 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.928 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 = 0.109 0.40% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100422

Date: 10/29/2024
Time: 13:22:47

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 29.07: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	13:23
BLANK TEST	0.000	13:23
INTERNAL STANDARD	VERIFIED	13:24
EXTERNAL STANDARD	0.077	13:24
BLANK TEST	0.000	13:25
SUBJECT SAMPLE (Vol=3.03L)	0.000	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.077	13:26
BLANK TEST	0.000	13:27

MNC

