

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100390

Analyst(s): Carlie Blaister

Start Date: 8/31/2023

Reason for Repair

Due for preventative maintenance. Regulator
damaged causing issues screwing in tanks.

Troubleshooting/Repair

Replaced regulator. Added new o-ring.

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: 8/31/2023

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100390

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/31/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.24: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 1139 psi

BLANK TEST	0.000	12:02
INTERNAL STANDARD	✓ VERIFIED	12:02
Xq = 0.095 (1.01%)		
EXTERNAL STANDARD	0.079	12:02
X[1] = 0.0794 (-0.0012) (-0.0018)		
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.079	12:03
X[1] = 0.0790 (-0.0008) (-0.0011)		
BLANK TEST	0.000	12:04
EXTERNAL STANDARD	0.080	12:05
X[1] = 0.0798 (-0.0001) (-0.0010)		
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.080	12:06
X[1] = 0.0797 (-0.0008) (-0.0007)		
BLANK TEST	0.000	12:07
EXTERNAL STANDARD	0.080	12:07
X[1] = 0.0795 (-0.0004) (-0.0002)		
BLANK TEST	0.000	12:08

Average = 0.0796
Std Dev = 0.0005

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.65 V	PASSED
(0.99 V - 2.31 V)	
Cooler Voltage = 1.54 V	PASSED
(0.96 V - 2.24 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.777 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.002 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 = 0.093	2.74%	(0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100390

Date: 08/31/2023
Time: 12:10:13

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.22: 0.078

DIAGNOSTIC CHECK	PASSED	12:11
BLANK TEST	0.000	12:11
INTERNAL STANDARD	VERIFIED	12:11
EXTERNAL STANDARD	0.081	12:11
BLANK TEST	0.000	12:12
SUBJECT SAMPLE (Vol=2.36L)	0.000	12:12
BLANK TEST	0.000	12:13
EXTERNAL STANDARD	0.080	12:14
BLANK TEST	0.000	12:14

CKG

