

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100694
Start Date: 12/14/22

Analyst(s): C. O'Bryant

Reason for Repair

Touch screen unresponsive

Troubleshooting/Repair

Attempted multiple rounds of reboots without success.

Loosened top two screws on the screen from inside the DMT. Screen started responding but not fully. Restarted DMT again + disconnected + reconnected screen cables from controller board.

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: 12/14/22

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100694

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/14/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.93: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 652 psi

BLANK TEST	0.000	12:48
INTERNAL STANDARD	VERIFIED	12:48
Xq = 0.098	0.09%	
EXTERNAL STANDARD	0.080	12:49
X[1] = 0.0798 (-0.0008)	(0.0000)	
BLANK TEST	0.000	12:50
EXTERNAL STANDARD	0.079	12:50
X[1] = 0.0791 (-0.0019)	(0.0000)	
BLANK TEST	0.000	12:51
EXTERNAL STANDARD	0.079	12:51
X[1] = 0.0793 (-0.0016)	(0.0000)	
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.079	12:52
X[1] = 0.0795 (-0.0012)	(-0.0001)	
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.080	12:53
X[1] = 0.0798 (-0.0003)	(0.0005)	
BLANK TEST	0.000	12:54

Average = 0.0794
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.63 V PASSED
(1.00 V - 2.32 V)
Cooler Voltage = 1.48 V PASSED
(0.94 V - 2.18 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 509 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.9 in

PUMP INFO

Flow Rate = 4.287 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

Xq = 0.098 0.27% (0.00% - 4.00%) PASSED

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100694

Date: 12/14/2022
Time: 12:56:16

SUBJECT NAME:
TEST TEST
LICENSE #: NONDRINKING

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 22-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.93: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	12:57
BLANK TEST	0.000	12:57
INTERNAL STANDARD	VERIFIED	12:57
EXTERNAL STANDARD	0.080	12:57
BLANK TEST	0.000	12:58
SUBJECT SAMPLE (Vol=2.51L)	0.000	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.079	13:00
BLANK TEST	0.000	13:01

