

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100684
Start Date: 12/14/22

Analyst(s): C. Bryant

Reason for Repair

undefined error
unable to load ticket db

Troubleshooting/Repair

Removed SD card + deleted corrupt ticket db
file. Scanned + Repaired SD card + replaced
it into the DMT.

Restarted the DMT twice + uploaded

Instrument has been ODS Academy as a
training instrument. It is not regularly
uploaded for tests. I demonstrated modem
functionality by letting 3 tests upload + stopped
the process (385 tests total), and cleared the
memory.

- | | |
|---|--|
| <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: 12/14/22

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100684

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/14/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 563 psi

BLANK TEST	0.000	13:34
INTERNAL STANDARD	VERIFIED	13:34
Xq = 0.093	(0.38%)	
EXTERNAL STANDARD	0.078	13:35
X[1] = 0.0782	(-0.0004) (-0.0006)	
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.078	13:36
X[1] = 0.0782	(-0.0007) (-0.0009)	
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.078	13:37
X[1] = 0.0781	(-0.0002) (-0.0001)	
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.078	13:38
X[1] = 0.0778	(-0.0017) (-0.0006)	
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.077	13:39
X[1] = 0.0771	(-0.0011) (-0.0005)	
BLANK TEST	0.000	13:40

Average = 0.0778
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 5.05
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 40.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.82 V	PASSED
(1.11 V - 2.59 V)	
Cooler Voltage = 1.68 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 523 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.044 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 = 0.093	(0.28%)	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100684

Date: 12/14/2022
Time: 13:41:35

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

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 29.92: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	13:42
BLANK TEST	0.000	13:42
INTERNAL STANDARD	VERIFIED	13:42
EXTERNAL STANDARD	0.079	13:43
BLANK TEST	0.000	13:44
SUBJECT SAMPLE (Vol=2.00L)	0.000	13:44
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.079	13:45
BLANK TEST	0.000	13:46

