

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100384
Start Date: 9/11/2023

Analyst(s): Carlie Glaister

Reason for Repair

Instrument freezing

Troubleshooting/Repair

Reinstalled 3.02 DMT software & restarted instrument.

Instrument did not freeze during the remainder of repair. Recommend calibration.

- VOC (attached)
- VOC Internal Standard value $\leq 3.00\%$
- Ready for Adjustment
- Further Repair Needed
- Proceed to Close Out
- Verify software version
- Non-Drinking Subject Test (attached)
- Ready for Calibration
- Return to Factory

End Date: 9/11/2023

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100384

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/11/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.29: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 910 psi

BLANK TEST	0.000	14:01
INTERNAL STANDARD	VERIFIED	14:01
Xq = 0.089 (1.74%)		
EXTERNAL STANDARD	0.078	14:02
X[1] = 0.0776 (-0.0019) (-0.0023)		
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.077	14:03
X[1] = 0.0769 (-0.0020) (-0.0022)		
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.077	14:04
X[1] = 0.0774 (-0.0012) (-0.0016)		
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.077	14:05
X[1] = 0.0770 (-0.0017) (-0.0017)		
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.077	14:06
X[1] = 0.0774 (-0.0008) (-0.0006)		
BLANK TEST	0.000	14:07

Average = 0.0772
Std Dev = 0.0004

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 = 46.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.64 V	PASSED
(0.98 V - 2.30 V)	
Cooler Voltage = 1.68 V	PASSED
(1.07 V - 2.49 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 513 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.557 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 = 0.089 1.35% (0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100384

Date: 09/11/2023
Time: 14:09:02

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 29.30: 0.078

DIAGNOSTIC CHECK	PASSED	14:10
BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
EXTERNAL STANDARD	0.078	14:10
BLANK TEST	0.000	14:11
SUBJECT SAMPLE (Vol=2.69L)	0.000	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.079	14:12
BLANK TEST	0.000	14:13

CKG

