

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100667

Analyst(s): Carlisle Glaister

Start Date: 11/29/23

Reason for Repair

5 way valve sticking, needs to be replaced.

Troubleshooting/Repair

Replaced 5-way valve & solenoid.

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: 11/29/23

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100667

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/29/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.27: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 690 psi

BLANK TEST	0.000	12:01
INTERNAL STANDARD	VERIFIED	12:01
Xq = 0.106 (0.25%)		
EXTERNAL STANDARD	0.077	12:01
X[1] = 0.0772 (-0.0020) (0.0003)		
BLANK TEST	0.000	12:02
EXTERNAL STANDARD	0.077	12:02
X[1] = 0.0772 (-0.0021) (0.0006)		
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.077	12:03
X[1] = 0.0774 (-0.0024) (0.0006)		
BLANK TEST	0.000	12:04
EXTERNAL STANDARD	0.078	12:04
X[1] = 0.0778 (-0.0016) (0.0005)		
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.077	12:05
X[1] = 0.0771 (-0.0025) (0.0011)		
BLANK TEST	0.000	12:06

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 = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.8°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.15 V	PASSED
(1.15 V - 2.67 V)	
Cooler Voltage = 1.75 V	PASSED
(1.16 V - 2.70 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 523 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.606 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 = 0.106 0.00% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100667

Date: 11/29/2023
Time: 12:28:29

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 29.26: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	12:29
BLANK TEST	0.000	12:29
INTERNAL STANDARD	VERIFIED	12:29
EXTERNAL STANDARD	0.078	12:30
BLANK TEST	0.000	12:30
BLANK TEST	0.000	12:31
SUBJECT SAMPLE (Vol=1.91L)	0.000	12:32
BLANK TEST	0.000	12:32
EXTERNAL STANDARD	0.079	12:32
BLANK TEST	0.000	12:33

CKG

