

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100345

Analyst(s): Carlie Glaister

Start Date: ~~3/21/06~~ 11/21/23

Reason for Repair

Screen unresponsive during testing

Troubleshooting/Repair

Replaced screen. New screen powered up but touch would not work. Plugged old screen back in & it worked normally. Added spacers between screen & frame to prevent pressure from causing screen issues. Screen operated normally for the remainder of evaluation.

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: 11/21/23

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/21/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 489 psi

BLANK TEST	0.000	11:18
INTERNAL STANDARD	VERIFIED	11:18
Xq = 0.094 (0.83%)		
EXTERNAL STANDARD	0.076	11:18
X[1] = 0.0759 (-0.0033) (-0.0009)		
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.076	11:19
X[1] = 0.0759 (-0.0028) (-0.0007)		
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.076	11:20
X[1] = 0.0756 (-0.0033) (-0.0011)		
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.076	11:21
X[1] = 0.0760 (-0.0033) (-0.0008)		
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.076	11:23
X[1] = 0.0761 (-0.0030) (-0.0003)		
BLANK TEST	0.000	11:23

Average = 0.0760
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.64 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 516 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 3.906 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 = 0.094 0.56% (0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100345

Date: 11/21/2023
Time: 11:27:56

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

DIAGNOSTIC CHECK	PASSED	11:29
BLANK TEST	0.000	11:30
INTERNAL STANDARD	VERIFIED	11:30
EXTERNAL STANDARD	0.077	11:30
BLANK TEST	0.000	11:31
SUBJECT SAMPLE (Vol=1.81L)	0.000	11:31
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.077	11:32
BLANK TEST	0.000	11:33

OK

