

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100423

Analyst(s): C. O. Bryant

Start Date: 6/14/23

Reason for Repair

Obstruction in the mesh of the breath hose.

Troubleshooting/Repair

Replaced breath hose with a new one.

Reset RFI sensitivity.

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: 6/14/23

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100423

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/14/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 1015 psi

BLANK TEST	0.000	12:01
INTERNAL STANDARD	VERIFIED	12:01
Xq = 0.094	(0.66%)	
EXTERNAL STANDARD	0.077	12:01
X[1] = 0.0774	(0.0003) (0.0016)	
BLANK TEST	0.000	12:02
EXTERNAL STANDARD	0.076	12:02
X[1] = 0.0761	(0.0009) (0.0018)	
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.076	12:04
X[1] = 0.0756	(-0.0005) (0.0015)	
BLANK TEST	0.000	12:04
EXTERNAL STANDARD	0.076	12:05
X[1] = 0.0758	(-0.0004) (0.0014)	
BLANK TEST	0.000	12:06
EXTERNAL STANDARD	0.076	12:06
X[1] = 0.0759	(0.0001) (0.0012)	
BLANK TEST	0.000	12:07

Average = 0.0762
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 44.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.79 V PASSED
(1.09 V - 2.53 V)
Cooler Voltage = 1.56 V PASSED
(0.97 V - 2.25 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 530 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.9 in

PUMP INFO

Flow Rate = 4.499 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 = 0.095 (1.50%) (0.00% - 4.00%) PASSED

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100423

Date: 06/14/2023
Time: 12:59:27

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

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

DEPT/AGENCY:
AAA1
CASE/REPORT: 23-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.87: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	13:01
BLANK TEST	0.000	13:01
INTERNAL STANDARD	VERIFIED	13:01
EXTERNAL STANDARD	0.077	13:01
BLANK TEST	0.000	13:02
SUBJECT SAMPLE (Vol=1.79L)	0.000	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.077	13:04
BLANK TEST	0.000	13:05

