

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100384

Analyst(s): C. O. Bryant

Start Date: 8/17/22

Reason for instrument evaluation

Returned to SCOD to reconcile files.

Visual Inspection

- Clean
- Cermetex Box (modem) is secure
- Double Check Valve secured to wall
- O-ring inspection and ensure 2 replacement O-rings in bag
- Replace missing screws
- Ensure modem cable present
- All tubing and connections secure

Troubleshooting/Repair

Replaced a cracked o-ring on the regulator.

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

End Date: 8/17/22

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100384

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/17/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 839 psi

BLANK TEST	0.000	15:04
INTERNAL STANDARD	VERIFIED	15:04
Xq = 0.090 (0.48%)		
EXTERNAL STANDARD	0.076	15:04
X[1] = 0.0761 (-0.0019) (0.0023)		
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.076	15:06
X[1] = 0.0762 (-0.0013) (0.0023)		
BLANK TEST	0.000	15:07
EXTERNAL STANDARD	0.077	15:07
X[1] = 0.0770 (-0.0006) (0.0019)		
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.077	15:08
X[1] = 0.0765 (-0.0013) (0.0019)		
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.077	15:09
X[1] = 0.0769 (-0.0003) (0.0022)		
BLANK TEST	0.000	15:10

Average = 0.0766
Std Dev = 0.0005

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 = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.62 V	PASSED
(0.98 V - 2.30 V)	
Cooler Voltage = 1.83 V	PASSED
(1.07 V - 2.49 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.698 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 = 0.091 0.39% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety

DATA MASTER dmt: 100384

Date: 08/17/2022

Time: 15:11:22

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 29.18: 0.078

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	15:12
BLANK TEST	0.000	15:12
INTERNAL STANDARD	VERIFIED	15:12
EXTERNAL STANDARD	0.077	15:12
BLANK TEST	0.000	15:13
SUBJECT SAMPLE (Vol=2.58L)	0.000	15:14
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.077	15:15
BLANK TEST	0.000	15:16

CS

