

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100695

Analyst(s): C. O. Bryant

Start Date: 1/26/22

Reason for instrument evaluation

Preventative Maintenance

Visual Inspection

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | |

Troubleshooting/Repair

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |
| <input type="checkbox"/> Further Evaluation Needed | |

End Date: 1/26/22

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100695

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/26/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.93: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 280 psi

BLANK TEST	0.000	12:56
INTERNAL STANDARD	VERIFIED	12:56
Xq = 0.111 (1.37%)		
EXTERNAL STANDARD	0.078	12:56
X[1] = 0.0785 (-0.0019) (-0.0026)		
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.078	12:57
X[1] = 0.0784 (-0.0036) (-0.0027)		
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.079	12:59
X[1] = 0.0792 (0.0000) (-0.0015)		
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.078	13:00
X[1] = 0.0782 (-0.0032) (-0.0014)		
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.077	13:01
X[1] = 0.0773 (-0.0040) (-0.0023)		
BLANK TEST	0.000	13:02

Average = 0.0780
Std Dev = 0.0007

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 = 44.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.65 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.71 V	PASSED
(0.95 V - 2.21 V)	
Bias Voltage = 80 V	PASSED
(49 V - 113 V)	
Chopper Freq = 550 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.215 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 V <= 0.010 V)	
PUMP OFF	PASSED
(0.004 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.110 (0.81%) (0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100695

Date: 01/26/2022
Time: 16:16:09

SUBJECT NAME:
TEST TEST
LICENSE #: NONDRINKING

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 29.86: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	16:17
BLANK TEST	0.000	16:17
INTERNAL STANDARD	VERIFIED	16:17
EXTERNAL STANDARD	0.078	16:18
BLANK TEST	0.000	16:19
SUBJECT SAMPLE (Vol=2.72L)	0.000	16:19
BLANK TEST	0.000	16:20
EXTERNAL STANDARD	0.078	16:20
BLANK TEST	0.000	16:21

CS

