

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100351

Analyst(s): Carlie Glaister

Start Date: 8/23/2022

Reason for instrument evaluation

5 way valve

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

Replaced o-ring. Replaced 5-way valve.

- | | |
|---|--|
| <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: 8/23/2022

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100351

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/23/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 1008 psi

BLANK TEST	0.000	14:49
INTERNAL STANDARD	VERIFIED	14:49
Xq = 0.122 (0.07%)		
EXTERNAL STANDARD	0.079	14:49
X[1] = 0.0787 (-0.0011) (-0.0018)		
BLANK TEST	0.000	14:50
EXTERNAL STANDARD	0.079	14:51
X[1] = 0.0791 (-0.0014) (-0.0017)		
BLANK TEST	0.000	14:52
EXTERNAL STANDARD	0.079	14:52
X[1] = 0.0789 (-0.0019) (-0.0020)		
BLANK TEST	0.000	14:53
EXTERNAL STANDARD	0.079	14:53
X[1] = 0.0788 (-0.0018) (-0.0020)		
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.079	14:54
X[1] = 0.0790 (-0.0014) (-0.0021)		
BLANK TEST	0.000	14:55

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.87 V	PASSED
(1.15 V - 2.69 V)	
Cooler Voltage = 1.83 V	PASSED
(1.12 V - 2.60 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 516 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 5.207 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.121	0.15%	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100351

Date: 08/23/2022

Time: 14:59:11

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 29.71: 0.079

LOT #: AG113402

EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK

BLANK TEST	PASSED	15:01
INTERNAL STANDARD	0.000	15:01
EXTERNAL STANDARD	VERIFIED	15:01
BLANK TEST	0.079	15:01
SUBJECT SAMPLE (Vol=2.01L)	0.000	15:02
BLANK TEST	0.000	15:03
EXTERNAL STANDARD	0.079	15:04
BLANK TEST	0.000	15:05

OKO

