

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100686

Analyst(s): Carlie Claister

Start Date: 7/11/2022

Reason for instrument evaluation

Returned to check files

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 double sided tape on double check valve & adhered to wall. Replaced o-ring.

- | | |
|---|--|
| <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: 7/11/2022

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100686

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/11/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.52: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 1236 psi

BLANK TEST	0.000	11:12
INTERNAL STANDARD	VERIFIED	11:12
Xg = 0.095 (1.78%)		
EXTERNAL STANDARD	0.076	11:12
X[1] = 0.0764 (0.0006) (-0.0002)		
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.076	11:13
X[1] = 0.0760 (0.0002) (-0.0002)		
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.076	11:15
X[1] = 0.0759 (0.0004) (-0.0003)		
BLANK TEST	0.000	11:15
EXTERNAL STANDARD	0.076	11:16
X[1] = 0.0755 (-0.0004) (-0.0001)		
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.076	11:17
X[1] = 0.0759 (-0.0002) (0.0002)		
BLANK TEST	0.000	11:18

Average = 0.0760
Std Dev = 0.0000

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 = 45.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.04 V - 2.42 V)	
Cooler Voltage = 1.62 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 512 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 4.629 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

Xg = 0.094 1.03% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100686

Date: 07/11/2022
Time: 11:21:22

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 29.51: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	11:22
BLANK TEST	0.000	11:22
INTERNAL STANDARD	VERIFIED	11:22
EXTERNAL STANDARD	0.077	11:22
BLANK TEST	0.000	11:23
SUBJECT SAMPLE (Vol=2.21L)	0.000	11:24
BLANK TEST	0.000	11:25
EXTERNAL STANDARD	0.077	11:25
BLANK TEST	0.000	11:26

CKG

