

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100405

Analyst(s): Carlisle Haister

Start Date: 7/11/2022

Reason for instrument evaluation

Failed linearity during Breath Validation.

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.

Recommend A/C cal 7/11/2022
Calibration

- | | |
|---|---|
| <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 type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory | <input checked="" type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |
| <input type="checkbox"/> Further Evaluation Needed | |

End Date: 7/11/2022

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100405

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/11/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.49: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 1251 psi

BLANK TEST	0.000	11:08
INTERNAL STANDARD	VERIFIED	11:08
Xq = 0.088 (0.10%)		
EXTERNAL STANDARD	0.076	11:09
X[1] = 0.0763 (-0.0009) (-0.0005)		
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.076	11:10
X[1] = 0.0763 (-0.0008) (-0.0002)		
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.076	11:11
X[1] = 0.0762 (-0.0004) (0.0000)		
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.076	11:12
X[1] = 0.0757 (-0.0007) (-0.0001)		
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.076	11:13
X[1] = 0.0765 (-0.0001) (-0.0002)		
BLANK TEST	0.000	11:14

Average = 0.0760
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.72 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.71 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 509 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 5.058 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.088 0.30% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 07/11/2022
Time: 11:16:40

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 29.48: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	11:17
INTERNAL STANDARD	VERIFIED	11:17
EXTERNAL STANDARD	0.076	11:18
BLANK TEST	0.000	11:19
SUBJECT SAMPLE (Vol=2.63L)	0.000	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.077	11:20
BLANK TEST	0.000	11:21

CKG

