

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100413

Analyst(s): Derek Witten

Start Date: 06/23/22

Reason for instrument evaluation

Unable to load ticket database during check in, fatal errors

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

SD card replaced during check in - no further fatal errors.

- | | |
|---|--|
| <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: 06/23/22

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100413

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/23/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.01: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 561 psi

BLANK TEST	0.000	09:30
INTERNAL STANDARD	✓ VERIFIED	09:30
Xq = 0.079 (0.99%)		
EXTERNAL STANDARD	0.079	09:31
X[1] = 0.0788 (-0.0035) (-0.0028)		
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.079	09:32
X[1] = 0.0789 (-0.0038) (-0.0027)		
BLANK TEST	0.000	09:33
EXTERNAL STANDARD	0.078	09:33
X[1] = 0.0782 (-0.0032) (-0.0023)		
BLANK TEST	0.000	09:34
EXTERNAL STANDARD	0.079	09:34
X[1] = 0.0791 (-0.0031) (-0.0021)		
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.078	09:35
X[1] = 0.0782 (-0.0034) (-0.0021)		
BLANK TEST	0.000	09:36

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.6°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 43.8°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 1.89 V (1.13 V - 2.65 V)	PASSED
Cooler Voltage = 1.87 V (1.12 V - 2.62 V)	PASSED
Bias Voltage = 80 V (48 V - 112 V)	PASSED
Chopper Freq = 524 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 30.0 in	

PUMP INFO

Flow Rate = 4.886 L/M (3.500 L/M - 6.500 L/M)	PASSED
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DETECTOR INFO

PUMP ON (0.003 V <= 0.010 V)	PASSED
PUMP OFF (0.001 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	✓	PASSED
Xq = 0.079 0.00% (0.00% - 4.00%)		

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100413

Date: 06/23/2022
Time: 09:38:07

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

DEPT/AGENCY:
NON-DRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 30.00: 0.080
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	09:39
BLANK TEST	0.000	09:39
INTERNAL STANDARD	VERIFIED	09:39
EXTERNAL STANDARD	0.079	09:39
BLANK TEST	0.000	09:40
SUBJECT SAMPLE (Vol=3.10L)	0.000	09:41
BLANK TEST	0.000	09:42
EXTERNAL STANDARD	0.080	09:42
BLANK TEST	0.000	09:43

