

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 05/15/2020
Effective: 05/15/2020

Version: DMEF 2020 R0
Status: Active

Instrument # 100381

Start Date: 07/13/21

Analysts: Derek Walton

Reason for instrument evaluation

frequent RFI status messages at agency

Visual Inspection

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

Troubleshooting/Repair

Instrument has not been refurbished.

Recommend return to factory for refurbishment.

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

End Date: 07/13/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100381

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/13/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.81: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 558 psi

BLANK TEST	0.000	10:38
INTERNAL STANDARD	✓ VERIFIED	10:38
Xq = 0.092 (0.86%)		
EXTERNAL STANDARD	0.075	10:38
X[1] = 0.0753 (-0.0010) (0.0011)		
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.076	10:39
X[1] = 0.0757 (-0.0011) (0.0016)		
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.076	10:40
X[1] = 0.0762 (-0.0009) (0.0013)		
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.076	10:41
X[1] = 0.0761 (-0.0011) (0.0009)		
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.076	10:42
X[1] = 0.0762 (-0.0017) (0.0012)		
BLANK TEST	0.000	10:43

Average = 0.0758
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.65 V	PASSED
(0.97 V - 2.27 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 520 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.732 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 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 = 0.092 0.67% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100381

Date: 07/13/2021
Time: 10:46:15

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 29.82: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	10:47
BLANK TEST	0.000	10:47
INTERNAL STANDARD	VERIFIED	10:47
EXTERNAL STANDARD	0.076	10:47
BLANK TEST	0.000	10:48
SUBJECT SAMPLE (Vol=2.46L)	0.000	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.077	10:50
BLANK TEST	0.000	10:51

