

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100697

Start Date: 03/22/2021

Analysts: Derch Walton

Reason for instrument evaluation

Preventive maintenance due

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

Replaced o-ring. Instrument has not yet been refurbished.
Regulator is very loud.

- VOC (attached)
- Internal Standard value $\leq 3.00\%$
- Verify software version

- Return to Factory for Repair
- Ready for Certification

- Ready for Calibration
- Proceed to Close Out

End Date: ²² 03/25/2021 ^{DW 03/22/21}

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100697

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/22/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.73: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 750 psi

BLANK TEST	0.000	11:25
INTERNAL STANDARD	✓ VERIFIED	11:26
Xq = 0.084 (1.36%)		
EXTERNAL STANDARD	0.078	11:26
X[1] = 0.0776 (-0.0010) (0.0005)		
BLANK TEST	0.000	11:27
EXTERNAL STANDARD	0.078	11:27
X[1] = 0.0775 (-0.0011) (-0.0006)		
BLANK TEST	0.000	11:28
EXTERNAL STANDARD	0.077	11:28
X[1] = 0.0772 (-0.0018) (-0.0002)		
BLANK TEST	0.000	11:29
EXTERNAL STANDARD	0.077	11:29
X[1] = 0.0772 (-0.0024) (-0.0002)		
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.077	11:30
X[1] = 0.0771 (-0.0030) (-0.0005)		
BLANK TEST	0.000	11:31

Average = 0.0774
Std Dev = 0.0005

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 = 44.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.64 V PASSED
(0.97 V - 2.25 V)
Cooler Voltage = 1.64 V PASSED
(1.00 V - 2.32 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 522 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.375 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.006 V <= 0.010 V)
PUMP OFF PASSED
(0.004 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD ✓ PASSED
Xq = 0.085 1.68% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100697

Date: 03/22/2021

Time: 11:34:51

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 29.72: 0.079

LOT #: AG923401

EXPIRATION: 08/22/2021

DIAGNOSTIC CHECK	PASSED	11:37
BLANK TEST	0.000	11:37
INTERNAL STANDARD	VERIFIED	11:38
EXTERNAL STANDARD	0.078	11:38
BLANK TEST	0.000	11:39
SUBJECT SAMPLE (Vol=2.74L)	0.000	11:39
BLANK TEST	0.000	11:40
EXTERNAL STANDARD	0.078	11:40
BLANK TEST	0.000	11:41

ML

