

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100406

Start Date: 02/11/21

Analysts: Dereu Walton

Reason for instrument evaluation

Intermittent fatal errors

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

Routed filter wires separately. Loaded 3.02 full version software.
VOC and breath test completed normally.

- 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: 02/11/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100406

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/11/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

MINIMAL: 0.080
TARGET AT 29.97: 0.080
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 879 psi

BLANK TEST	0.000	10:06
INTERNAL STANDARD	✓ VERIFIED	10:06
Xq = 0.103 (2.44%)		
EXTERNAL STANDARD	0.081	10:06
X[1] = 0.0809 (-0.0016) (-0.0002)		
BLANK TEST	0.000	10:07
EXTERNAL STANDARD	0.080	10:07
X[1] = 0.0803 (-0.0016) (-0.0002)		
BLANK TEST	0.000	10:08
EXTERNAL STANDARD	0.081	10:08
X[1] = 0.0807 (-0.0025) (0.0000)		
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.081	10:09
X[1] = 0.0808 (-0.0016) (-0.0003)		
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.080	10:10
X[1] = 0.0804 (-0.0026) (0.0006)		
BLANK TEST	0.000	10:11

Average = 0.0806
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 42.0°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.79 V PASSED
(1.09 V - 2.55 V)
Cooler Voltage = 1.76 V PASSED
(1.06 V - 2.46 V)
Bias Voltage = 80 V PASSED
(47 V - 111 V)
Chopper Freq = 523 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 30.0 in

PUMP INFO

Flow Rate = 5.044 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
Xq = 0.103 2.18% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100406

Date: 02/11/2021
Time: 10:18:24

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 29.97: 0.080
LOT #: AG923401
EXPIRATION: 08/22/2021

DIAGNOSTIC CHECK PASSED 10:19
BLANK TEST 0.000 10:19
INTERNAL STANDARD VERIFIED 10:19
EXTERNAL STANDARD 0.081 10:19
BLANK TEST 0.000 10:20
SUBJECT SAMPLE (Vol=2.48L) 0.000 10:21
BLANK TEST 0.000 10:21
EXTERNAL STANDARD 0.081 10:22
BLANK TEST 0.000 10:23

DM

