

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 04/03/2018
Effective: 04/04/2018

Version: DMEF2018 R0
Status: Active

Instrument # 100346

Date: 02/26/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Touch screen frozen, no tests in memory when uploaded.
Indicates "external storage not found" on startup.

2. Visual Inspection

Clean

Replace missing screws

Cermetex Box is secure

Ensure modem cable present

Gas Valve upright or secured to wall

All tubing and connections are secure

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

SD card dead. Last test in memory is ~~at~~ 01/19/2020 at
22:59 (instrument time). SD card replaced. All tests from 1/19/20
already in DM Host.

DW 02/26/20

VOC and breath test performed successfully and written to
memory.

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100346

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/26/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 336 psi

BLANK TEST 0.000 10:23
INTERNAL STANDARD ✓ VERIFIED 10:23
Xq = 0.104 (0.00%)
EXTERNAL STANDARD 0.077 10:23
X[1] = 0.0770 (-0.0021) (-0.0014)
BLANK TEST 0.000 10:24
EXTERNAL STANDARD 0.077 10:24
X[1] = 0.0771 (-0.0022) (-0.0010)
BLANK TEST 0.000 10:25
EXTERNAL STANDARD 0.077 10:25
X[1] = 0.0770 (-0.0023) (-0.0008)
BLANK TEST 0.000 10:26
EXTERNAL STANDARD 0.077 10:26
X[1] = 0.0773 (-0.0015) (-0.0010)
BLANK TEST 0.000 10:27
EXTERNAL STANDARD 0.077 10:28
X[1] = 0.0771 (-0.0016) (-0.0006)
BLANK TEST 0.000 10:28

Average = 0.0770
Std Dev = 0.0000

Diagnostic Check

VERSIONS ✓
DMT: 3.02 ✓
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.1°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.63 V PASSED
(0.97 V - 2.25 V)
Cooler Voltage = 1.58 V PASSED
(0.97 V - 2.25 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 524 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.2 in

PUMP INFO

Flow Rate = 4.303 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
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD ✓ PASSED
Xq = 0.104 0.34% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100346

Date: 02/26/2020
Time: 10:37:10

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 29.24: 0.078
LOT #: AG923401
EXPIRATION: 08/22/2021

DIAGNOSTIC CHECK	PASSED	10:38
BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.078	10:38
BLANK TEST	0.000	10:39
SUBJECT SAMPLE (Vol=3.90L)	0.000	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.078	10:41
BLANK TEST	0.000	10:42

