

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100399

Date: 5/22/18

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

See previous evals

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

Updated software with 3.02 full version
Attempted to upload and instrument was
still timing out.

Replaced the modem board + instrument still
won't upload. COB 5/23/18

5. VOC (attached)

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

7. Verify software version

Not performed.
COB 2020.11.17

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 7/10/2015
Effective: 7/10/2015

Version: DMEF2015 R0
Status: Active

Instrument # 100399

Date: 10/27/15

Analyst: CHF

1. Reason for instrument evaluation

Return from NPAS after repairs Issues were:
unable to upload and sporadic pop-up box during
re-boots.

- 2. Visual Inspection
- 3. Troubleshooting/Repair

Updated software from 2.00 → 3.00 → 3.01

Initiated VOC - Passed
Cleared Memory and performed non-drinking subject
test

"Login attempt [1] timed-out." message occurred
when attempting to upload.

Updated software to 3.02 and initiated VOC on 8/11/16
- CHF

4. VOC (attached)

5. Internal Standard value ≤ 3.00% , Yes No

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

} N/A - Hold at lab
CHF 8/4/16

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100399

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/27/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.41: 0.079
 LOT #: 01315080A2
 EXPIRATION: 02/05/2017
 TANK PRESSURE: 980 psi

| | | |
|-----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 14:11 |
| INTERNAL STANDARD | VERIFIED | 14:11 |
| Xq = 0.102 (0.17%) | | |
| EXTERNAL STANDARD | 0.079 | 14:11 |
| X[1] = 0.0789 (-0.0012) (-0.0031) | | |
| BLANK TEST | 0.000 | 14:12 |
| EXTERNAL STANDARD | 0.080 | 14:12 |
| X[1] = 0.0795 (-0.0004) (-0.0018) | | |
| BLANK TEST | 0.000 | 14:13 |
| EXTERNAL STANDARD | 0.079 | 14:13 |
| X[1] = 0.0792 (-0.0010) (-0.0012) | | |
| BLANK TEST | 0.000 | 14:14 |
| EXTERNAL STANDARD | 0.079 | 14:14 |
| X[1] = 0.0789 (-0.0007) (-0.0017) | | |
| BLANK TEST | 0.000 | 14:15 |
| EXTERNAL STANDARD | 0.079 | 14:15 |
| X[1] = 0.0790 (-0.0006) (-0.0009) | | |
| BLANK TEST | 0.000 | 14:16 |

Average = 0.0792
 Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.01
 PIC: 3.03
 Modem: 2.6
 Questions: 2.2

TEMPERATURES

| | |
|-------------------------|--------|
| Sample Chamber = 48.7°C | PASSED |
| (44.0°C - 52.0°C) | |
| Breath Tube = 48.1°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.71 V | PASSED |
| (1.03 V - 2.39 V) | |
| Cooler Voltage = 1.73 V | PASSED |
| (1.04 V - 2.42 V) | |
| Bias Voltage = 81 V | PASSED |
| (49 V - 113 V) | |
| Chopper Freq = 515 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.4 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.791 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

| | | | |
|------------|-------|-----------------|--------|
| Xq = 0.101 | 0.43% | (0.00% - 4.00%) | PASSED |
|------------|-------|-----------------|--------|

I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

 Nita J. Bolz
 Scientific Director
 State Breath Alcohol Program

Subscribed and sworn before me this ____ day of _____, 20 ____

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100399

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/11/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.70: 0.079
 LOT #: AG608504
 EXPIRATION: 03/25/2018
 TANK PRESSURE: 1060 psi

| | | |
|----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 09:29 |
| INTERNAL STANDARD | VERIFIED | 09:29 |
| Xq = 0.102 (0.26%) | | |
| EXTERNAL STANDARD | 0.081 | 09:30 |
| X[1] = 0.0808 (0.0007) (-0.0014) | | |
| BLANK TEST | 0.000 | 09:31 |
| EXTERNAL STANDARD | 0.080 | 09:31 |
| X[1] = 0.0802 (0.0010) (-0.0012) | | |
| BLANK TEST | 0.000 | 09:32 |
| EXTERNAL STANDARD | 0.080 | 09:32 |
| X[1] = 0.0804 (0.0009) (-0.0008) | | |
| BLANK TEST | 0.000 | 09:33 |
| EXTERNAL STANDARD | 0.080 | 09:33 |
| X[1] = 0.0802 (0.0014) (-0.0007) | | |
| BLANK TEST | 0.000 | 09:34 |
| EXTERNAL STANDARD | 0.081 | 09:34 |
| X[1] = 0.0807 (0.0014) (-0.0007) | | |
| BLANK TEST | 0.000 | 09:35 |

Average = 0.0804
 Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
 PIC: 3.03
 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 = 1.71 V | PASSED |
| (1.03 V - 2.39 V) | |
| Cooler Voltage = 1.73 V | PASSED |
| (1.04 V - 2.42 V) | |
| Bias Voltage = 81 V | PASSED |
| (49 V - 113 V) | |
| Chopper Freq = 519 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.7 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.766 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

| | | | |
|------------|-------|-----------------|--------|
| Xq = 0.102 | 0.26% | (0.00% - 4.00%) | PASSED |
|------------|-------|-----------------|--------|