

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: CWF

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 [13] timed-out." message occurred
when attempting to upload.

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

4. VOC (attached)

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

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

} N/A - Hold at lab
CWF 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
Xg = 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 PASSED

Xg = 0.101 0.43% (0.00% - 4.00%)

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
FIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

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

SETTINGS

Lamp Voltage = 1.71 V (1.03 V - 2.39 V)	PASSED
Cooler Voltage = 1.73 V (1.04 V - 2.42 V)	PASSED
Bias Voltage = 81 V (49 V - 113 V)	PASSED
Chopper Freq = 519 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.766 L/M (3.500 L/M - 6.500 L/M)	PASSED
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DETECTOR INFO

PUMP ON (0.002 V <= 0.010 V)	PASSED
PUMP OFF (0.002 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

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