

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100384

Date: 7/29/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Internal Std errors in field

2. Visual Inspection

3. Troubleshooting/Repair

Needs Calibration

4. VOC (attached)

5. Internal Standard value $\leq 3.00\%$ Yes

No

*Brandi Barnett
7/31/15*

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100384

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/30/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.85: 0.080
LOT #: 09214089A2
EXPIRATION: 05/01/2016
TRIM PRESSURE: 1033 psi

BLANK TEST	0.000	14:33
INTERNAL STANDARD	VERIFIED	14:33
Xq = 0.086 (3.89%)		
EXTERNAL STANDARD	0.079	14:33
X[1] = 0.0788 (0.0007) (0.0019)		
BLANK TEST	0.000	14:34
EXTERNAL STANDARD	0.079	14:34
X[1] = 0.0797 (0.0001) (0.0012)		
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.079	14:35
X[1] = 0.0796 (0.0000) (0.0013)		
BLANK TEST	0.000	14:36
EXTERNAL STANDARD	0.078	14:36
X[1] = 0.0785 (-0.0001) (0.0010)		
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.079	14:37
X[1] = 0.0789 (0.0004) (0.0016)		
BLANK TEST	0.000	14:38

Average = 0.0788
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT 3.01
FIC 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.2°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.57 V PASSED
(0.96 V - 2.24 V)
Cooler Voltage = 1.49 V PASSED
(0.94 V - 2.20 V)
Bias Voltage = 90 V PASSED
(48 V - 112 V)
Chopper Freq = 521 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.8 in

PUMP INFO

Flow Rate = 4.750 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 = 0.086 3.47% (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 _____