

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100374

Date: 7/30/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Internal std errors in field

2. Visual Inspection

3. Troubleshooting/Repair

Calibrate due to internal std errors

4. VOC (attached)

5. Internal Standard value \leq 3.00% Yes

No

BMB 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 #: 100374

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 #: 09214080A3
EXPIRATION: 05/01/2016
TANK PRESSURE: 667 psi

BLANK TEST	0.000	15:28
INTERNAL STANDARD	VERIFIED	15:28
Xq = 0.093 (3.40%)		
EXTERNAL STANDARD	0.078	15:28
X[1] = 0.0777 (-0.0023) (-0.0015)		
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.078	15:29
X[1] = 0.0775 (-0.0022) (-0.0013)		
BLANK TEST	0.000	15:30
EXTERNAL STANDARD	0.079	15:30
X[1] = 0.0787 (-0.0007) (-0.0003)		
BLANK TEST	0.000	15:31
EXTERNAL STANDARD	0.078	15:31
X[1] = 0.0776 (-0.0021) (-0.0012)		
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.078	15:33
X[1] = 0.0777 (-0.0013) (-0.0012)		
BLANK TEST	0.000	15:33

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

VERSIONS
DMT: 3.01
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.59 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.43 V	PASSED
(0.91 V - 2.11 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 524 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.151 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 = 0.092 2.62% (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 _____