

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100681

Date: 12/24/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Preventative Maintenance

2. Visual Inspection

3. Troubleshooting/Repair

none needed

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

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100681

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/24/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.93: 0.080  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 349 psi

BLANK TEST	0.000	08:33
INTERNAL STANDARD	VERIFIED	08:33
Xq = 0.106 (1.15%)		
EXTERNAL STANDARD	0.080	08:34
X[1] = 0.0801 (0.0002) (0.0009)		
BLANK TEST	0.000	08:35
EXTERNAL STANDARD	0.080	08:35
X[1] = 0.0803 (0.0008) (0.0007)		
BLANK TEST	0.000	08:36
EXTERNAL STANDARD	0.080	08:36
X[1] = 0.0801 (0.0003) (0.0004)		
BLANK TEST	0.000	08:37
EXTERNAL STANDARD	0.080	08:37
X[1] = 0.0801 (-0.0001) (0.0008)		
BLANK TEST	0.000	08:38
EXTERNAL STANDARD	0.081	08:38
X[1] = 0.0805 (0.0005) (0.0007)		
BLANK TEST	0.000	08:39

Average = 0.0802  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT 3.01  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.8°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.67 V	PASSED
(0.98 V - 2.30 V)	
Cooler Voltage = 1.58 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 531 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

### PUMP INFO

Flow Rate = 4.363 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 = 0.106 1.39%	PASSED
(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 \_\_\_\_\_