

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100349

Date: 9/24/15

Analyst: Colleen OByant

1. Reason for instrument evaluation

Preventative Maintenance

2. Visual Inspection

3. Troubleshooting/Repair

Ready for certification

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 #: 100349

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/24/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.71: 0.079  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016  
TANK PRESSURE: 395 psi

BLANK TEST	0.000	11:08
INTERNAL STANDARD	VERIFIED	11:08
Xq = 0.080 (1.49%)		
EXTERNAL STANDARD	0.077	11:08
X[1] = 0.0769 (-0.0038) (-0.0018)		
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.077	11:09
X[1] = 0.0770 (-0.0041) (-0.0028)		
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.078	11:10
X[1] = 0.0775 (-0.0039) (-0.0016)		
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.077	11:12
X[1] = 0.0767 (-0.0044) (-0.0023)		
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.077	11:13
X[1] = 0.0766 (-0.0042) (-0.0026)		
BLANK TEST	0.000	11:14

Average = 0.0772  
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 = 48.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.74 V	PASSED
(1.05 V - 2.45 V)	
Cooler Voltage = 1.73 V	PASSED
(1.01 V - 2.35 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 540 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

### PUMP INFO

Flow Rate = 4.404 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 = 0.081	PASSED
0.32% (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 \_\_\_\_\_