

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100399

Date: 8/11/15

Analyst: Colleen O'Bryen

1. Reason for instrument evaluation

"Hard disk not inserted" during certification

2. Visual Inspection

3. Troubleshooting/Repair

Restarted the instrument, disconnected and reconnected all USB cords. Printed last test in memory successfully. Put a thumb drive in the USB port and uploaded current tests to thumb drive successfully.

Unable to recreate status message.

4. VOC (attached)

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

6. Verify software version  3.01

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 #: 100399

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/11/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.49: 0.079  
LOT #: 07214080A1  
EXPIRATION: 04/01/2016  
TANK PRESSURE: 146 psi

BLANK TEST	0.000	11:16
INTERNAL STANDARD	VERIFIED	11:16
Xq = 0.103 (1.29%)		
EXTERNAL STANDARD	0.077	11:17
X[1] = 0.0768 (-0.0002) (0.0037)		
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.077	11:18
X[1] = 0.0766 (-0.0020) (0.0031)		
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.077	11:19
X[1] = 0.0766 (-0.0014) (0.0025)		
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.077	11:20
X[1] = 0.0767 (-0.0016) (0.0038)		
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.076	11:21
X[1] = 0.0764 (-0.0023) (0.0025)		
BLANK TEST	0.000	11:22

Average = 0.0768  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT: 3.01  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.0°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.67 V	PASSED
(0.98 V - 2.30 V)	
Cooler Voltage = 1.77 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 562 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

### PUMP INFO

Flow Rate = 4.837 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
(0.005 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

Xq = 0.103	PASSED
0.86% (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 \_\_\_\_\_