

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 1003-17

Date: 12/23/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Preventative Maintenance

2. Visual Inspection

3. Troubleshooting/Repair

Performed VOC without issue - ready to certify.

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 #: 100347

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/23/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.63: 0.079  
LOT #: 01315080A3  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 545 psi

BLANK TEST	0.000	13:00
INTERNAL STANDARD	VERIFIED	13:00
Xq = 0.093 (1.14%)		
EXTERNAL STANDARD	0.077	13:01
X[1] = 0.0773 (-0.0022) (0.0020)		
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.077	13:02
X[1] = 0.0770 (-0.0020) (0.0006)		
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.077	13:03
X[1] = 0.0773 (-0.0018) (0.0011)		
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.077	13:04
X[1] = 0.0769 (-0.0026) (0.0018)		
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.078	13:05
X[1] = 0.0777 (-0.0016) (0.0017)		
BLANK TEST	0.000	13:06

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 = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 2.30 V	PASSED
(1.34 V - 3.12 V)	
Cooler Voltage = 2.00 V	PASSED
(1.13 V - 2.65 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 546 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

### PUMP INFO

Flow Rate = 5.406 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 = 0.093	0.57%	(0.00% - 4.00%)	PASSED
------------	-------	-----------------	--------

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 \_\_\_\_\_