

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100373

Date: 9/8/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Preventative Maintenance - Seward PD

2. Visual Inspection

3. Troubleshooting/Repair

No issues - 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 #: 100373

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/08/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.64: 0.079  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016  
TANK PRESSURE: 526 psi

BLANK TEST	0.000	14:02
INTERNAL STANDARD	VERIFIED	14:03
Xq = 0.083 (1.50%)		
EXTERNAL STANDARD	0.078	14:03
X[1] = 0.0776 (-0.0004) (0.0002)		
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.078	14:04
X[1] = 0.0781 (-0.0004) (0.0002)		
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.078	14:05
X[1] = 0.0778 (-0.0005) (0.0003)		
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.077	14:06
X[1] = 0.0773 (-0.0011) (0.0004)		
BLANK TEST	0.000	14:07
EXTERNAL STANDARD	0.077	14:07
X[1] = 0.0774 (-0.0004) (0.0009)		
BLANK TEST	0.000	14:08

Average = 0.0776  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.69 V PASSED  
(1.03 V - 2.39 V)  
Cooler Voltage = 1.58 V PASSED  
(0.97 V - 2.25 V)  
Bias Voltage = 79 V PASSED  
(47 V - 111 V)  
Chopper Freq = 535 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.6 in

### PUMP INFO

Flow Rate = 5.054 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 = 0.082 (0.75%) (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 \_\_\_\_