

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100067

Date: 1/13/14

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Removed from service for preventative maintenance.

2. Visual Inspection

3. Troubleshooting/Repair

No repairs

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 #: 100667

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/13/2016

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.17: 0.078  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 274 psi

BLANK TEST	0.000	07:24
INTERNAL STANDARD	VERIFIED	07:24
Xq = 0.108 (0.24%)		
EXTERNAL STANDARD	0.077	07:24
X[1] = 0.0775 (-0.0026) (0.0006)		
BLANK TEST	0.000	07:25
EXTERNAL STANDARD	0.077	07:25
X[1] = 0.0772 (-0.0026) (0.0004)		
BLANK TEST	0.000	07:26
EXTERNAL STANDARD	0.077	07:26
X[1] = 0.0771 (-0.0022) (0.0001)		
BLANK TEST	0.000	07:27
EXTERNAL STANDARD	0.077	07:27
X[1] = 0.0774 (-0.0028) (0.0000)		
BLANK TEST	0.000	07:28
EXTERNAL STANDARD	0.077	07:28
X[1] = 0.0771 (-0.0030) (-0.0002)		
BLANK TEST	0.000	07:29

Average = 0.0770  
Std Dev = 0.0000

## Diagnostic Check

### VERSIONS

DMP: 3.01  
PFC: 2.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.8°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.87 V	PASSED
(1.12 V - 2.62 V)	
Cooler Voltage = 1.84 V	PASSED
(1.10 V - 2.58 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 538 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

### PUMP INFO

Flow Rate = 5.325 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.001 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

Xq = 0.108 (0.49%) (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 \_\_\_\_\_