

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100414

Date: 6/15/16

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Preventative Maintenance

2. Visual Inspection

3. Troubleshooting/Repair

No repairs required

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 #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/13/2016

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.82: 0.080  
LOT #: AG608504  
EXPIRATION: 03/25/2018  
TANK PRESSURE: 1065 psi

BLANK TEST	0.000	15:13
INTERNAL STANDARD	VERIFIED	15:13
Xq = 0.088 (1.41%)		
EXTERNAL STANDARD	0.079	15:14
X[1] = 0.0793 (-0.0020) (0.0011)		
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.079	15:15
X[1] = 0.0793 (-0.0021) (0.0001)		
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.080	15:16
X[1] = 0.0797 (-0.0021) (0.0005)		
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.079	15:17
X[1] = 0.0795 (-0.0021) (0.0002)		
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.079	15:18
X[1] = 0.0795 (-0.0017) (0.0004)		
BLANK TEST	0.000	15:19

Average = 0.0792  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PICP: 3.02  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.0°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.82 V	PASSED
(1.06 V - 2.48 V)	
Cooler Voltage = 1.59 V	PASSED
(0.97 V - 2.25 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 536 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

### PUMP INFO

Flow Rate = 5.035 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	PASSED
Xq = 0.088 1.31% (0.00% - 4.00%)	