

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100669

Date: 10/20/16

Analyst: Colleen Bryant

1. Reason for instrument evaluation

(Clock not keeping time)

2. Visual Inspection

3. Troubleshooting/Repair

Set time correctly 10/20/16 @ 3:11P

O-ring not present - installed new one CBS 10/20/16

Time still correct 10/24/16 @ 9:28A
- No repair needed.

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 #: 100669

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/20/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.31: 0.078
LOT #: AG608504
EXPIRATION: 03/25/2018
TANK PRESSURE: 750 psi

BLANK TEST	0.000	15:16
INTERNAL STANDARD	VERIFIED	15:16
Xq = 0.085 (0.61%)		
EXTERNAL STANDARD	0.079	15:16
X[1] = 0.0791 (-0.0010) (-0.0017)		
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.079	15:17
X[1] = 0.0793 (-0.0003) (-0.0010)		
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.079	15:18
X[1] = 0.0793 (-0.0007) (-0.0013)		
BLANK TEST	0.000	15:19
EXTERNAL STANDARD	0.079	15:20
X[1] = 0.0791 (-0.0007) (-0.0014)		
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.079	15:21
X[1] = 0.0792 (-0.0010) (-0.0015)		
BLANK TEST	0.000	15:22

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS
DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.66 V	PASSED
(1.00 V - 2.32 V)	
Cooler Voltage = 1.40 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.472 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 = 0.085 <u>0.71%</u> (0.00% - 4.00%)	