

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100397

Date: 8/9/14

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Instrument not uploading in field. unsure if it was line or instrument

2. Visual Inspection

3. Troubleshooting/Repair

replaced O-ring on regulator

instrument uploaded at lab and new instrument would not upload in field. problem is with line at agency.

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 #: 100397

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/09/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG608504
EXPIRATION: 03/25/2018
TANK PRESSURE: 1076 psi

BLANK TEST	0.000	13:10
INTERNAL STANDARD	VERIFIED	13:10
Xq = 0.093 (0.66%)		
EXTERNAL STANDARD	0.079	13:11
X[1] = 0.0794 (-0.0006) (-0.0021)		
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.079	13:12
X[1] = 0.0788 (-0.0014) (-0.0013)		
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.079	13:13
X[1] = 0.0789 (-0.0016) (-0.0009)		
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.079	13:14
X[1] = 0.0789 (-0.0019) (-0.0008)		
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.079	13:15
X[1] = 0.0794 (-0.0013) (-0.0009)		
BLANK TEST	0.000	13:16

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.71 V	PASSED
(1.03 V - 2.41 V)	
Cooler Voltage = 1.71 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 527 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.004 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 = 0.093 0.56% (0.00% - 4.00%)	