

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100344

Date: 1/9/17

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Instrument wouldn't upload in the field.

2. Visual Inspection

3. Troubleshooting/Repair

Cermetek's box was not fully seated on modem board. I pushed the box down and uploaded it again after a failed attempt the first time.

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

Certification not required.
Instrument to return to the
field. COB 1/9/17

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100344

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/09/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: AG608504
EXPIRATION: 03/25/2018
TANK PRESSURE: 382 psi

BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
Xq = 0.106 (1.26%)		
EXTERNAL STANDARD	0.079	14:23
X[1] = 0.0794 (-0.0033) (-0.0012)		
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.079	14:24
X[1] = 0.0794 (-0.0037) (-0.0017)		
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.079	14:25
X[1] = 0.0789 (-0.0039) (-0.0016)		
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.079	14:26
X[1] = 0.0794 (-0.0035) (-0.0015)		
BLANK TEST	0.000	14:27
EXTERNAL STANDARD	0.079	14:27
X[1] = 0.0792 (-0.0039) (-0.0017)		
BLANK TEST	0.000	14:28

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 = 49.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.17 V	PASSED
(1.29 V - 3.01 V)	
Cooler Voltage = 1.94 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 5.951 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.106 1.52% (0.00% - 4.00%)	PASSED
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