

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100397

Date: 6/1/17

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

unable to upload instrument in the field

2. Visual Inspection
3. Troubleshooting/Repair

Successfully uploaded @ SCID upon arrival
Ran a VOC and again successfully
uploaded.

Confirmed Cermetek bar on the modern
board was securely seated.

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: 06/02/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.42: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 957 psi

BLANK TEST	0.000	13:54
INTERNAL STANDARD	VERIFIED	13:54
Xq = 0.094	(0.38%)	
EXTERNAL STANDARD	0.078	13:55
X[1] = 0.0784 (-0.0023)	(0.0010)	
BLANK TEST	0.000	13:56
EXTERNAL STANDARD	0.078	13:56
X[1] = 0.0784 (-0.0015)	(0.0009)	
BLANK TEST	0.000	13:57
EXTERNAL STANDARD	0.079	13:57
X[1] = 0.0787 (-0.0016)	(0.0012)	
BLANK TEST	0.000	13:58
EXTERNAL STANDARD	0.079	13:58
X[1] = 0.0786 (-0.0027)	(0.0013)	
BLANK TEST	0.000	13:59
EXTERNAL STANDARD	0.079	13:59
X[1] = 0.0788 (-0.0026)	(0.0008)	
BLANK TEST	0.000	14:00

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.72 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 = 536 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 3.827 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

Xq = 0.093	(0.09%)	(0.00% - 4.00%)	PASSED
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