

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100342

Date: 2/2/16

Analyst: CWF

1. Reason for instrument evaluation

Static Analysis Errors

2. Visual Inspection

3. Troubleshooting/Repair

None

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

} N/A

Hold at lab

CWF 8/9/16

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100342

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/09/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.63: 0.079
LOT #: AG608504
EXPIRATION: 03/25/2018
TANK PRESSURE: 1085 psi

BLANK TEST	0.000	10:19
INTERNAL STANDARD	VERIFIED	10:19
Xg = 0.092 (0.77%)		
EXTERNAL STANDARD	0.078	10:19
X[1] = 0.0778 (-0.0016) (0.0003)		
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.077	10:20
X[1] = 0.0770 (-0.0028) (-0.0003)		
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.077	10:21
X[1] = 0.0772 (-0.0024) (-0.0002)		
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.077	10:23
X[1] = 0.0774 (-0.0027) (0.0000)		
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.078	10:24
X[1] = 0.0776 (-0.0016) (-0.0001)		
BLANK TEST	0.000	10:25

Average = 0.0774
Std Dev = 0.0005

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 = 48.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.73 V	PASSED
(1.05 V - 2.45 V)	
Cooler Voltage = 1.66 V	PASSED
(1.16 V - 2.72 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 3.608 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 PASSED

Xg = 0.092 0.77% (0.00% - 4.00%)