

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100666

Date: 4/18/16

Analyst: Bileen O'Bryant

1. Reason for instrument evaluation

Loaner instrument returned when agency owned instrument placed back in service.

2. Visual Inspection

3. Troubleshooting/Repair

No repair needed.
Certified instrument.

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

} NA- Certified instrument
COB 4/18/16

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100666

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/18/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: 09214080A2
EXPIRATION: 05/01/2016
TANK PRESSURE: 482 psi

BLANK TEST	0.000	15:00
INTERNAL STANDARD	VERIFIED	15:00
Xq = 0.087 (0.10%)		
EXTERNAL STANDARD	0.079	15:01
X[1] = 0.0791 (-0.0033) (-0.0015)		
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.079	15:02
X[1] = 0.0789 (-0.0034) (-0.0010)		
BLANK TEST	0.000	15:03
EXTERNAL STANDARD	0.078	15:03
X[1] = 0.0785 (-0.0036) (-0.0016)		
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.079	15:04
X[1] = 0.0789 (-0.0033) (-0.0011)		
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.079	15:05
X[1] = 0.0786 (-0.0032) (-0.0012)		
BLANK TEST	0.000	15:06

Average = 0.0788
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.62 V	PASSED
(0.97 V - 2.27 V)	
Cooler Voltage = 1.53 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 518 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 4.862 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 = 0.085 1.61%	PASSED
(0.00% - 4.00%)	