

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100360

Date: 2/12/16

Analyst: CWF

1. Reason for instrument evaluation

Internal Standard Check Failing

2. Visual Inspection

3. Troubleshooting/Repair

Adjusted voltages so that detector was within range

Internal standard readings within range on VOC performed afterwards

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

Technician Screen

DATAMASTER dmt: 100360

Date: 02/12/2016

Time: 10:31 AM

Temperatures (°C)

Sample Cell: 48.9°C

Breath Tube: 42.1°C

Current Barometer 29.1 in

Volume (Ltr) 0.00

Settings

Lamp: 2.40 V

Bias: 80 V

Cooler: 2.01 V

Chopper: 540 Hz

Voltages (V)

Flow: 1.06 V

Detector: -0.004 V

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100360

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/12/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.11: 0.078
LOT #: 01315080A3
EXPIRATION: 02/05/2017
TANK PRESSURE: 766 psi

BLANK TEST	0.000	10:33
INTERNAL STANDARD	VERIFIED	10:34
Xq = 0.115 (0.46%)		
EXTERNAL STANDARD	0.077	10:34
X[1] = 0.0766 (-0.0006) (-0.0003)		
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.077	10:35
X[1] = 0.0766 (-0.0008) (0.0000)		
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.077	10:36
X[1] = 0.0771 (-0.0023) (-0.0002)		
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.076	10:37
X[1] = 0.0763 (0.0000) (0.0000)		
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.077	10:38
X[1] = 0.0769 (0.0001) (0.0007)		
BLANK TEST	0.000	10:39

Average = 0.0768
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.01
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.40 V	PASSED
(1.36 V - 3.18 V)	
Cooler Voltage = 2.01 V	PASSED
(1.16 V - 2.70 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 541 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.503 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 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 = 0.117 1.62% (0.00% - 4.00%)	

I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

Nita J. Bolz
Scientific Director
State Breath Alcohol Program

Subscribed and sworn before me this _____ day of _____, 20 _____