

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 6/11/2014
Effective: 6/11/2014

Version: DMEF2014 R0
Status: Active

Instrument # 100691

Date: 6/29/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Detector overflow + screen freezing.

2. Troubleshooting/Repair

No issues with screen freezing.

Watched lamp, cooler, bias and detector voltages following numerous reboots as well as comparing these values to those from VOCs in the field.

Detector voltage is fluctuating while lamp, cooler + bias voltages are remaining stable.

Replaced detector, reset lamp, cooler, bias voltages, Ready to calibrate.

COB 6/29/15

3. VOC (attached)

4. Verify software version 3.01

Return to Factory for Repair

Ready For Calibration

Ready For Certification

100691	Summary of Lamp, Cooler, Bias and Detector Voltages				
Date	Lamp	Cooler	Bias	Detector	
5/15/15	1.91V	1.82V	79V		VOC Completed Successfully - In the field
6/2/15	1.91V	1.82V	79V		Failed VOC - Detector Overflow - In the field
6/2/15	1.91V	1.82V	79V		Failed VOC - Detector Overflow - In the field
6/29/15	1.91V	1.82V	79V	1.181V	As-found voltages when instrument arrived at SCDL
6/29/15	1.91V	1.82V	79V	1.150V	Voltages from Technician Screen following reset @ SCDL
6/29/15	1.91V	1.82V	79V	1.136V	Voltages from Technician Screen following reset @ SCDL
6/29/15	1.91V	1.82V	79V	1.129V	Voltages from Technician Screen following reset @ SCDL
6/29/15	1.91V	1.82V	79V	1.145V	Voltages from Technician Screen following reset @ SCDL
6/29/15	1.91V	1.82V	79V		VOC Completed Successfully - At SCDL - Evaluation VOC

OB 6/30/15

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100691

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/29/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.71: 0.079
 LOT #: 09214080A3
 EXPIRATION: 05/01/2016
 TANK PRESSURE: 844 psi

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.079	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.080	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.079	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.079	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.080	10:54
BLANK TEST	0.000	10:54

Average = 0.0794
 Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 48.1°C	PASSED

PUMP INFO

Flow Rate = 4.397 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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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 ____