

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100424

Date: 1/29/16

Analyst: CWF

1. Reason for instrument evaluation

RFI Detected when room is clear of all devices

2. Visual Inspection

3. Troubleshooting/Repair

RFI Detected was reproduced at lab during tank change VOC

Set RFI sensitivity in Tech Mode

VOC had no status messages after setting RFI sensitivity

Performed subject test and triggered RFI Detected by turning on radio

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 #: 100424

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/29/2016

External Standard Test Values

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
Breath Tube = 43.2°C PASSED

RFI DETECTED

Before setting RFI
Sensitivity

CWF
2/1/16

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 _____

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100424

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/01/2016

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: 01315080A3
EXPIRATION: 02/05/2017
TANK PRESSURE: 857 psi

BLANK TEST	0.000	14:56
INTERNAL STANDARD	VERIFIED	14:56
Xq = 0.080 (1.71%)		
EXTERNAL STANDARD	0.078	14:57
X{1} = 0.0784 (-0.0026) (0.0000)		
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.079	14:58
X{1} = 0.0787 (-0.0028) (-0.0007)		
BLANK TEST	0.000	14:59
EXTERNAL STANDARD	0.079	14:59
X{1} = 0.0788 (-0.0035) (0.0001)		
BLANK TEST	0.000	15:00
EXTERNAL STANDARD	0.079	15:00
X{1} = 0.0788 (-0.0030) (-0.0003)		
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.079	15:01
X{1} = 0.0786 (-0.0035) (-0.0001)		
BLANK TEST	0.000	15:02

Average = 0.0788
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 = 43.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.60 V	PASSED
(0.99 V - 2.31 V)	
Cooler Voltage = 1.73 V	PASSED
(1.04 V - 2.42 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 525 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 3.817 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 = 0.080	1.28%	(0.00% - 4.00%)
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Nita J. Bolz
Scientific Director
State Breath Alcohol Program

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

After setting RFI
Sensitivity

CWF
2/1/16

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dnt: 100424

Date: 02/01/2016
Time: 15:05:01

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
RFI XXXX
OPERATOR'S #: XXXX

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOF #: 01315080A3
EXPIRATION: 02/05/2017

DIAGNOSTIC CHECK	PASSED	15:06
BLANK TEST	0.000	15:06
INTERNAL STANDARD	VERIFIED	15:06
EXTERNAL STANDARD	0.079	15:06
BLANK TEST	0.000	15:07

RFI DETECTED

Triggered with
radio
CWF
2/1/16

