

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100342

Date: 8/24/15

Analyst: Colleen OBryant

1. Reason for instrument evaluation

Instrument loaned to JBER while their agency owned instrument was being repaired.

2. Visual Inspection

3. Troubleshooting/Repair

Certified instrument when removed from JBER

Performed VOC without issue

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

Certified instrument.
COB 8/24/15

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100342

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/24/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: 01315080A2
EXPIRATION: 02/05/2017
TANK PRESSURE: 1077 psi

BLANK TEST	0.000	08:45
INTERNAL STANDARD	VERIFIED	08:45
Xg = 0.091 (0.29%)		
EXTERNAL STANDARD	0.078	08:45
X[1] = 0.0782 (-0.0039) (-0.0024)		
BLANK TEST	0.000	08:46
EXTERNAL STANDARD	0.078	08:47
X[1] = 0.0777 (-0.0042) (-0.0023)		
BLANK TEST	0.000	08:47
EXTERNAL STANDARD	0.077	08:48
X[1] = 0.0769 (-0.0045) (-0.0019)		
BLANK TEST	0.000	08:49
EXTERNAL STANDARD	0.077	08:49
X[1] = 0.0771 (-0.0041) (-0.0018)		
BLANK TEST	0.000	08:50
EXTERNAL STANDARD	0.079	08:50
X[1] = 0.0787 (-0.0034) (-0.0019)		
BLANK TEST	0.000	08:51

Average = 0.0778
Std Dev = 0.0008

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.7°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 = 524 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 3.705 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

Xg = 0.091	PASSED
0.00% (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____