

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 04/03/2018  
Effective: 04/04/2018

Version: DMEF2018 R0  
Status: Active

Instrument # 100346

Date: 07/31/2018

Analyst: Derek Walton

1. Reason for instrument evaluation

Failed certification due to slope, standard out of range in field.

2. Visual Inspection

- Clean
- Replace missing screws
- Cermetex Box is secure
- Ensure modem cable present
- Gas Valve upright or secured to wall
- All tubing and connections are secure

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Loaded 3.02 (full version)  
Calibrated 7/31/2018

- Upon tech review I noticed that the check in and evaluation paperwork prior to the failed certification was never entered in Justice trac or completed. The custody of the instrument - was scanned back to the breath section on 5/22/18 and a review of the uploaded files indicated that all tests and VOC's were successfully uploaded into DM Host. DMB 8/8/18

- 5. VOC (attached)
- 6. Internal Standard value  $\leq 3.00\%$  Yes  No
- 7. Verify software version

- Return to Factory for Repair
- Ready for Calibration
- Ready for Certification
- Proceed to Close Out

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100346

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 07/31/2018

## External Standard Test Values

**EXTERNAL STANDARD INFORMATION**

NOMINAL: 0.080  
 TARGET AT 29.87: 0.080  
 LOT #: AG634001  
 EXPIRATION: 12/05/2018  
 TANK PRESSURE: 324 psi

BLANK TEST	0.000	10:45
INTERNAL STANDARD	VERIFIED	10:46
Xq = 0.103 (0.42%)		
EXTERNAL STANDARD	0.079	10:46
X[1] = 0.0791 (-0.0003) (0.0016)		
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.079	10:47
X[1] = 0.0789 (-0.0005) (0.0007)		
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.079	10:48
X[1] = 0.0788 (-0.0005) (0.0010)		
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.079	10:49
X[1] = 0.0794 (-0.0003) (0.0006)		
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.080	10:50
X[1] = 0.0795 (-0.0005) (0.0002)		
BLANK TEST	0.000	10:51

Average = 0.0792  
 Std Dev = 0.0004

## Diagnostic Check

**VERSIONS**

CMT: 3.03  
 PIC: 3.03  
 Modem: 2.6  
 Questions: 2.2

**TEMPERATURES**

Sample Chamber = 48.6°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 47.7°C (38.0°C - 50.0°C)	PASSED

**SETTINGS**

Lamp Voltage = 1.61 V (0.97 V - 2.25 V)	PASSED
Cooler Voltage = 1.61 V (0.97 V - 2.25 V)	PASSED
Bias Voltage = 79 V (47 V - 111 V)	PASSED
Chopper Freq = 526 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.9 in	

**PUMP INFO**

Flow Rate = 4.629 L/M (3.500 L/M - 6.500 L/M)	PASSED
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**DETECTOR INFO**

PUMP ON (0.002 V <= 0.010 V)	PASSED
PUMP OFF (0.002 V <= 0.010 V)	PASSED

**FILTER INFO**

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

**INTERNAL STANDARD**

Xq = 0.104 (0.08%) (0.00% - 4.00%)	PASSED
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# Alaska Scientific Crime Detection Laboratory

## DataMaster Check In Form

Issued: 1/13/2017  
Effective: 1/17/2017

Version: DMCIF 2017 R0  
Status: Active

Instrument S/N 100346

Received From Fairbanks Airport

Date 5/22/18

Analyst Colleen O'Bryant

1. Reason for instrument return:

Unable to complete VOC (SOP) and unable to upload.

2. Change instrument and case location in JusticeTrax Breath Alcohol Database

3. Ensure change in instrument status form is in JusticeTrax

~~4. Upload  unable to upload~~

5. Update agency information and polling status in DM Host Calling Program  NA

~~6. Check for VOCs  unable to upload or pull from USB~~

### From Intoximeters

7. Intoximeters Repair Paperwork (attached)

\* This paperwork was not found until after  
The evaluation from 07/31/2018 was completed.  
COB 9/19/18

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 04/03/2018  
Effective: 04/04/2018

Version: DMEF2018 R0  
Status: Active

Instrument # 100346

Date: 5/22/18

Analyst: Colleen OBryant

1. Reason for instrument evaluation

VOC failed Standard out of range low  
+ unable to upload

2. Visual Inspection

Clean

Replace missing screws

Cermetex Box is secure

Ensure modem cable present

Gas Valve upright or secured to wall

All tubing and connections are secure

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Replaced modem board + uploaded 19 files  
Still gave "hard disk not inserted" following  
modem board update.

Uploaded full version of 8.02 software  
still gave "hard disk not inserted"

Attempted to pull a corrupt ticketdb from the  
SD card but it was not recognizable in a  
computer, gave the card to I.T who were also  
unable to get it to open. Replaced the SD card.  
I opened Explorer on the DMT and deleted the ticketdb  
file. Instrument gave "

5. VOC (attached) file. Instrument gave "

6. Internal Standard value  $\leq 3.00\%$  Yes  No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100346

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/24/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.51: 0.079  
LOT #: AG634001  
EXPIRATION: 12/05/2018  
TANK PRESSURE: 935 psi

BLANK TEST 0.000 15:26  
INTERNAL STANDARD VERIFIED 15:26  
Xq = 0.104 (0.42%)  
EXTERNAL STANDARD 0.082 15:26  
X[1] = 0.0817 (-0.0004) (-0.0023)  
BLANK TEST 0.000 15:27  
EXTERNAL STANDARD 0.081 15:27  
X[1] = 0.0808 (-0.0005) (-0.0042)  
BLANK TEST 0.000 15:28  
EXTERNAL STANDARD 0.081 15:28  
X[1] = 0.0815 (-0.0003) (-0.0032)  
BLANK TEST 0.000 15:29  
EXTERNAL STANDARD 0.081 15:29  
X[1] = 0.0809 (-0.0010) (-0.0033)  
BLANK TEST 0.000 15:30  
EXTERNAL STANDARD 0.081 15:31  
X[1] = 0.0808 (-0.0007) (-0.0026)  
BLANK TEST 0.000 15:31

Average = 0.0812  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.6°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.61 V PASSED  
(1.00 V - 2.32 V)  
Cooler Voltage = 1.58 V PASSED  
(0.97 V - 2.25 V)  
Bias Voltage = 79 V PASSED  
(48 V - 112 V)  
Chopper Freq = 535 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.5 in

### PUMP INFO

Flow Rate = 4.453 L/M PASSED  
(3.500 L/M - 6.500 L/M)

### DETECTOR INFO

PUMP ON PASSED  
(0.001 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 = 0.10% 1.10% (0.00% - 4.00%) PASSED