

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 08/08/2017
Effective: 08/10/2017

Version: DMEF2017 R1
Status: Active

Instrument # 100396

Date: 2/8/18

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Blank error, internal standard error and
sticky 5-way valve.

2. Visual Inspection (internal and external)
3. O-ring inspection
4. Troubleshooting/Repair

Regulator O-ring missing, replaced w/new
tubing from the check valve to the vent out
the back of the DMT was tight/punched. Replaced
tubing to allow more movement
5 way valve was sticking - replaced it.

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 #: 100396

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/12/2018

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.37: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 710 psi

BLANK TEST	0.000	10:04
INTERNAL STANDARD	VERIFIED	10:04
Xq = 0.109 (1.89%)		
EXTERNAL STANDARD	0.079	10:04
X[1] = 0.0787 (-0.0029) (0.0001)		
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.079	10:05
X[1] = 0.0788 (-0.0019) (0.0006)		
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.079	10:06
X[1] = 0.0794 (-0.0020) (0.0000)		
BLANK TEST	0.000	10:07
EXTERNAL STANDARD	0.079	10:07
X[1] = 0.0787 (-0.0022) (-0.0006)		
BLANK TEST	0.000	10:08
EXTERNAL STANDARD	0.079	10:08
X[1] = 0.0793 (-0.0019) (0.0011)		
BLANK TEST	0.000	10:09

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.85 V	PASSED
(1.19 V - 2.77 V)	
Cooler Voltage = 1.81 V	PASSED
(1.07 V - 2.49 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 538 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 5.212 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

Xq = 0.109 2.05% (0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100396

Date: 02/12/2018
Time: 08:58:36

SUBJECT NAME:
TEST TEST
LICENSE #: NONDRINKING

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 18-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.37: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018

DIAGNOSTIC CHECK	PASSED	08:59
BLANK TEST	0.000	08:59
INTERNAL STANDARD	VERIFIED	08:59
EXTERNAL STANDARD	0.079	09:00
BLANK TEST	0.000	09:01
SUBJECT SAMPLE (Vol=2.81L)	0.000	09:01
BLANK TEST	0.000	09:02
EXTERNAL STANDARD	0.079	09:02
BLANK TEST	0.000	09:03

