

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100406

Date: 5/14/18

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

White plastic end of breath hose broke off.

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 the breath hose + performed a VOC.

During the VOC it was found that the regulator was noisy. The regulator was missing it's O-ring. Replaced the O-ring and the noise was still present.

Replaced the regulator and the noise was gone

Reset RFI with new breath hose + triggered RFI.

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 NA

Proceed to Close Out

*Certified
Instrument
COB 5/14/18*

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100406

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/14/2018

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.62: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 960 psi

BLANK TEST	0.000	14:14
INTERNAL STANDARD	VERIFIED	14:14
Xq = 0.103	(2.18%)	
EXTERNAL STANDARD	0.079	14:14
X[1] = 0.0790	(-0.0007) (0.0031)	
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.079	14:15
X[1] = 0.0788	(-0.0010) (0.0026)	
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.079	14:16
X[1] = 0.0790	(-0.0009) (0.0025)	
BLANK TEST	0.000	14:17
EXTERNAL STANDARD	0.079	14:18
X[1] = 0.0792	(-0.0006) (0.0031)	
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.079	14:19
X[1] = 0.0788	(-0.0009) (0.0031)	
BLANK TEST	0.000	14:20

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 = 39.9°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.79 V PASSED
(1.09 V - 2.55 V)
Cooler Voltage = 1.76 V PASSED
(1.06 V - 2.46 V)
Bias Voltage = 80 V PASSED
(47 V - 111 V)
Chopper Freq = 527 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.6 in

PUMP INFO

Flow Rate = 5.002 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.004 V <= 0.010 V)
PUMP OFF PASSED
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.103 1.65% (-0.00% - 4.00%) PASSED

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100406

Date: 05/14/2018
Time: 14:30:47

SUBJECT NAME:
TEST TEST
LICENSE #: RFI TEST

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.63: 0.079

RFI DETECTED

COB 5/14/18

JOY