

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 1003916

Date: 1/24/17

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Certified instrument returned to retrieve files from storage card in instrument.

2. Visual Inspection

3. Troubleshooting/Repair

Instrument uploaded to USB files after 1/12/17 with no issue. Unknown what happened to upload memory files between 1/23/16 and 1/12/17 as they were not uploaded via modem and attempts to retrieve via USB were unsuccessful. The missing files were copied from the storage card in the instrument to a USB drive and were uploaded into DMHost. Successfully uploaded a file via modem line.

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

Instrument still a certified instrument, no repair required.

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100396

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/24/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.04: 0.078
LOT #: AG608504
EXPIRATION: 03/25/2018
TANK PRESSURE: 262 psi

BLANK TEST 0.000 11:08
INTERNAL STANDARD VERIFIED 11:08
Xq = 0.108 (0.98%)
EXTERNAL STANDARD 0.079 11:08
X[1] = 0.0791 (-0.0018) (0.0008)
BLANK TEST 0.000 11:09
EXTERNAL STANDARD 0.078 11:09
X[1] = 0.0784 (-0.0027) (0.0005)
BLANK TEST 0.000 11:10
EXTERNAL STANDARD 0.078 11:10
X[1] = 0.0784 (-0.0025) (0.0003)
BLANK TEST 0.000 11:11
EXTERNAL STANDARD 0.078 11:11
X[1] = 0.0785 (-0.0024) (0.0004)
BLANK TEST 0.000 11:12
EXTERNAL STANDARD 0.079 11:13
X[1] = 0.0793 (-0.0023) (0.0001)
BLANK TEST 0.000 11:14

Average = 0.0784
Std Dev = 0.0005

Diagnostic Check

VERSIONS *BMB*
DMT: 3.02 *1/24/17*
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°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 = 539 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.0 in

PUMP INFO

Flow Rate = 5.017 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 PASSED
Xq = 0.108 (0.33%) (0.00% - 4.00%)

BMB
1/24/17