

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100669

4 DM 09104120

Date: 09/03/20

Analyst: Derch Walton

1. Reason for instrument evaluation

filter wheel errors

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 o-ring. Routed filter wires separately.

Source block loose-tightened.

Some fluctuation in filter readings apparent on VOC. Ran filter test. Completed 60 cycles with 1 error.

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

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100669

Date: 05/25/2020
Time: 15:33:03

SUBJECT NAME:
MYLES C WILSON
LICENSE #: 1011635

OPERATOR NAME:
CHRISTOPHER B BITZ
OPERATOR'S #: 6844

DEPT/AGENCY:
AST/TOK
CASE/REPORT: AK20035025
TEST TYPE: DUI

Filter Wheel Error



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100669

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/04/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.86: 0.080
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 528 psi

BLANK TEST	0.000	09:28
INTERNAL STANDARD ✓	VERIFIED	09:29
Xq = 0.086 (0.41%)		
EXTERNAL STANDARD	0.078	09:29
X[1] = 0.0779 (-0.0012) (0.0011)		
BLANK TEST	0.000	09:30
EXTERNAL STANDARD	0.078	09:30
X[1] = 0.0782 (-0.0015) (0.0012)		
BLANK TEST	0.000	09:31
EXTERNAL STANDARD	0.078	09:31
X[1] = 0.0783 (-0.0023) (0.0007)		
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.079	09:32
X[1] = 0.0786 (0.0002) (0.0011)		
BLANK TEST	0.000	09:33
EXTERNAL STANDARD	0.078	09:33
X[1] = 0.0783 (-0.0002) (0.0007)		
BLANK TEST	0.000	09:34

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

VERSIONS ✓
DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.71 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.35 V	PASSED
(0.83 V - 1.93 V)	
Bias Voltage = 80 V	PASSED
(47 V - 109 V)	
Chopper Freq = 515 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.703 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓	PASSED
Xq = 0.086 0.20% (0.00% - 4.00%)	