

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100411

Date: 01/22/20

Analyst: Derek Watten

1. Reason for instrument evaluation

5 way valve sticking during certification

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

Routed filter wires separately.

Replaced 5 way valve block assembly again.

Adjusted detector voltages.

Ran VOC, breath test, and 0.200 simulator successfully.
Simulator tested on 01/27/20.

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 #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/22/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.49: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 949 psi

BLANK TEST	0.000	15:59
INTERNAL STANDARD	✓ VERIFIED	15:59
Xq = 0.086 (0.20%)		
EXTERNAL STANDARD	0.078	15:59
X[1] = 0.0783 (-0.0023) (0.0007)		
BLANK TEST	0.000	16:00
EXTERNAL STANDARD	0.079	16:00
X[1] = 0.0788 (-0.0016) (0.0006)		
BLANK TEST	0.000	16:01
EXTERNAL STANDARD	0.079	16:02
X[1] = 0.0788 (-0.0019) (0.0000)		
BLANK TEST	0.000	16:02
EXTERNAL STANDARD	0.079	16:03
X[1] = 0.0790 (-0.0016) (0.0007)		
BLANK TEST	0.000	16:04
EXTERNAL STANDARD	0.079	16:04
X[1] = 0.0791 (-0.0011) (0.0007)		
BLANK TEST	0.000	16:05

Average = 0.0788
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.95 V	PASSED
(1.10 V - 2.58 V)	
Cooler Voltage = 1.72 V	PASSED
(1.06 V - 2.48 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 531 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 3.574 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 = 0.086 0.10%	(0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 01/22/2020
Time: 16:08:25

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

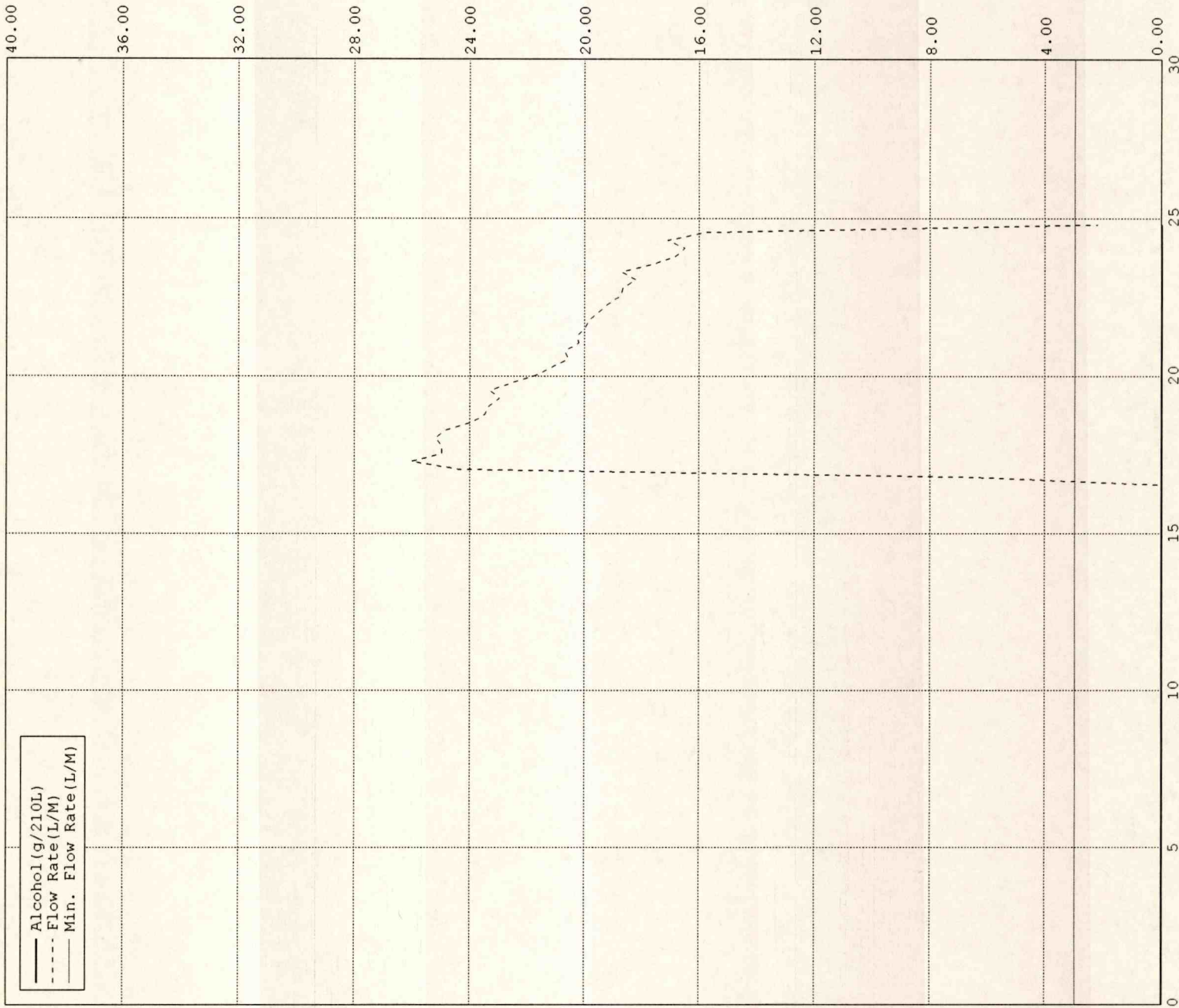
OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

DEPT/AGENCY:
NON-DRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.49: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK
BLANK TEST PASSED 16:09
INTERNAL STANDARD 0.000 16:09
EXTERNAL STANDARD VERIFIED 16:09
BLANK TEST 0.079 16:10
SUBJECT SAMPLE (Vol=2.74L) 0.000 16:11
BLANK TEST 0.000 16:12
EXTERNAL STANDARD 0.079 16:12
BLANK TEST 0.000 16:13

DM



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 01/27/2020
 Time: 15:12:56

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200

BLANK TEST	0.000	15:14
INTERNAL STANDARD	VERIFIED	15:14
EXTERNAL STANDARD	0.195	15:15
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.197	15:16
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.197	15:17
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.197	15:19
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.199	15:20
BLANK TEST	0.000	15:21

Average = 0.1970
 Std Dev = 0.0014

