

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100395

Date: 11/02/2018

Analyst: Derek Walton

1. Reason for instrument evaluation

Gas flow errors, not allowing subject to provide sample

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

Route filter wires separately. Reattached regulator gas line to double check valve. Replaced o-ring. 5 way valve sticking on subject test. Moved valve manually toward the end of the test.

Replaced 5 way valve. Subject test completed normally.

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: 100395

Date: 11/02/2018
Time: 13:12:54

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

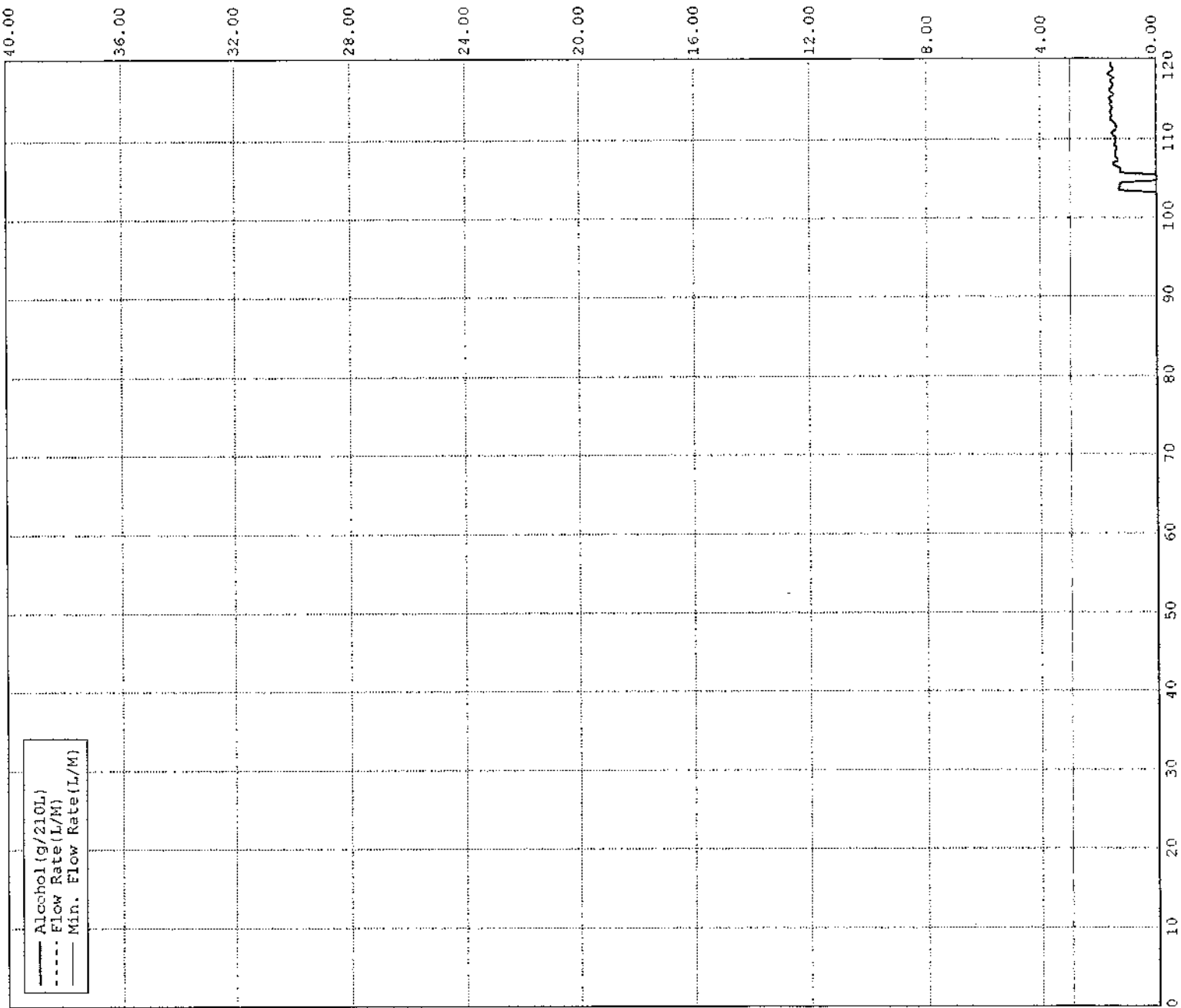
DEPT/AGENCY:
NON-DRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.40: 0.079
LOT #: AG735001
EXPIRATION: 12/16/2019

DIAGNOSTIC CHECK PASSED 13:13
BLANK TEST 0.000 13:14
INTERNAL STANDARD VERIFIED 13:14
EXTERNAL STANDARD 0.077 13:14
BLANK TEST 0.000 13:15
SUBJECT SAMPLE INCOMPLETE 13:17

*Before 5 way
valve change
Nov 11/15/18*

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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100395

Date: 11/15/2018
Time: 14:01:18

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

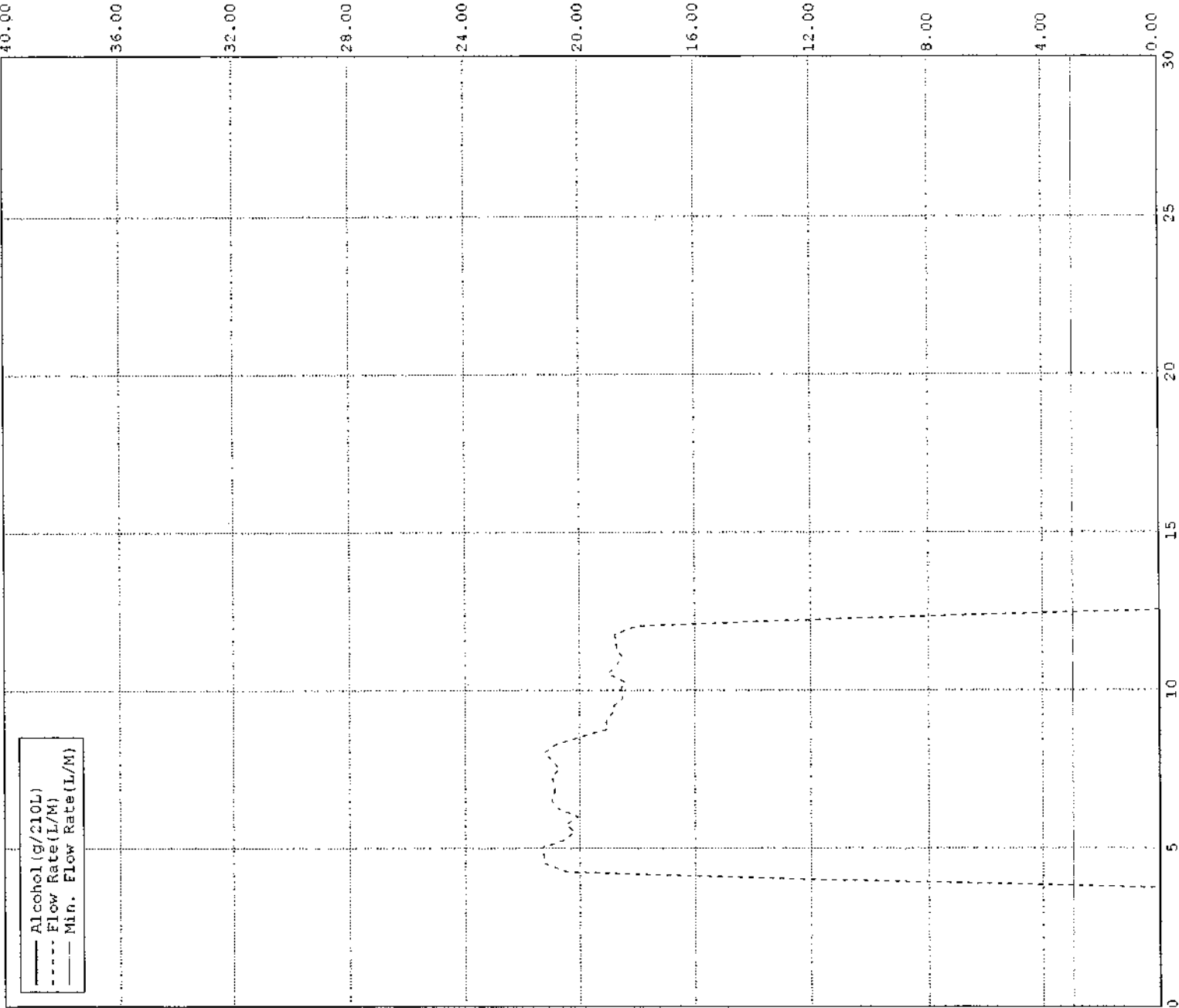
OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.95: 0.080
LOT #: AG735001
EXPIRATION: 12/16/2019

DIAGNOSTIC CHECK	PASSED	14:02
BLANK TEST	0.000	14:02
INTERNAL STANDARD	VERIFIED	14:02
EXTERNAL STANDARD	0.078	14:03
BLANK TEST	0.000	14:04
SUBJECT SAMPLE (Vol=2.75L)	0.000	14:04
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.079	14:05
BLANK TEST	0.000	14:06

After 5 way
valve change
JMW 11/15/18



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100395

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/02/2018

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.40: 0.079
LOT #: AG735001
EXPIRATION: 12/16/2019
TANK PRESSURE: 916 psi

BLANK TEST	0.000	12:38
INTERNAL STANDARD	VERIFIED	12:38
Xq = 0.090	0.10%	
EXTERNAL STANDARD	0.075	12:38
X[1] = 0.0749 (-0.0029)	(0.0007)	
BLANK TEST	0.000	12:39
EXTERNAL STANDARD	0.075	12:39
X[1] = 0.0754 (-0.0045)	(0.0004)	
BLANK TEST	0.000	12:40
EXTERNAL STANDARD	0.076	12:40
X[1] = 0.0762 (-0.0032)	(0.0018)	
BLANK TEST	0.000	12:41
EXTERNAL STANDARD	0.077	12:41
X[1] = 0.0766 (-0.0033)	(0.0017)	
BLANK TEST	0.000	12:42
EXTERNAL STANDARD	0.077	12:42
X[1] = 0.0769 (-0.0027)	(0.0011)	
BLANK TEST	0.000	12:43

Average = 0.0760
Std Dev = 0.0010

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 43.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.78 V PASSED
(1.10 V - 2.56 V)
Cooler Voltage = 1.69 V PASSED
(1.03 V - 2.41 V)
Bias Voltage = 80 V PASSED
(47 V - 111 V)
Chopper Freq = 521 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.219 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
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.091 1.55% (0.00% - 4.00%) PASSED