

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100411

Date: 01/17/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Pump errors on simulator use - faulty 5 way valve
block assembly as determined by Intoximeters

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

*Refer to evaluation
from 12/10-12/12/19.*

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Five way valve block replaced again.
Ran VOC, multiple breath tests, and 0.300 simulator
Successfully

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: 01/17/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 327 psi

BLANK TEST 0.000 14:29
INTERNAL STANDARD ✓ VERIFIED 14:29
Xq = 0.086 (0.40%)
EXTERNAL STANDARD 0.078 14:29
X[1] = 0.0781 (-0.0026) (-0.0005)
BLANK TEST 0.000 14:30
EXTERNAL STANDARD 0.078 14:30
X[1] = 0.0785 (-0.0029) (-0.0006)
BLANK TEST 0.000 14:31
EXTERNAL STANDARD 0.078 14:32
X[1] = 0.0779 (-0.0032) (-0.0010)
BLANK TEST 0.000 14:32
EXTERNAL STANDARD 0.078 14:33
X[1] = 0.0782 (-0.0031) (0.0000)
BLANK TEST 0.000 14:34
EXTERNAL STANDARD 0.078 14:34
X[1] = 0.0783 (-0.0026) (-0.0004)
BLANK TEST 0.000 14:35

Average = 0.0780
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 = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.82 V PASSED
(1.10 V - 2.58 V)
Cooler Voltage = 1.80 V PASSED
(1.06 V - 2.48 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 521 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.500 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
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD ✓ PASSED
Xq = 0.085 1.01% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100411

Date: 01/17/2020

Time: 14:51:09

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

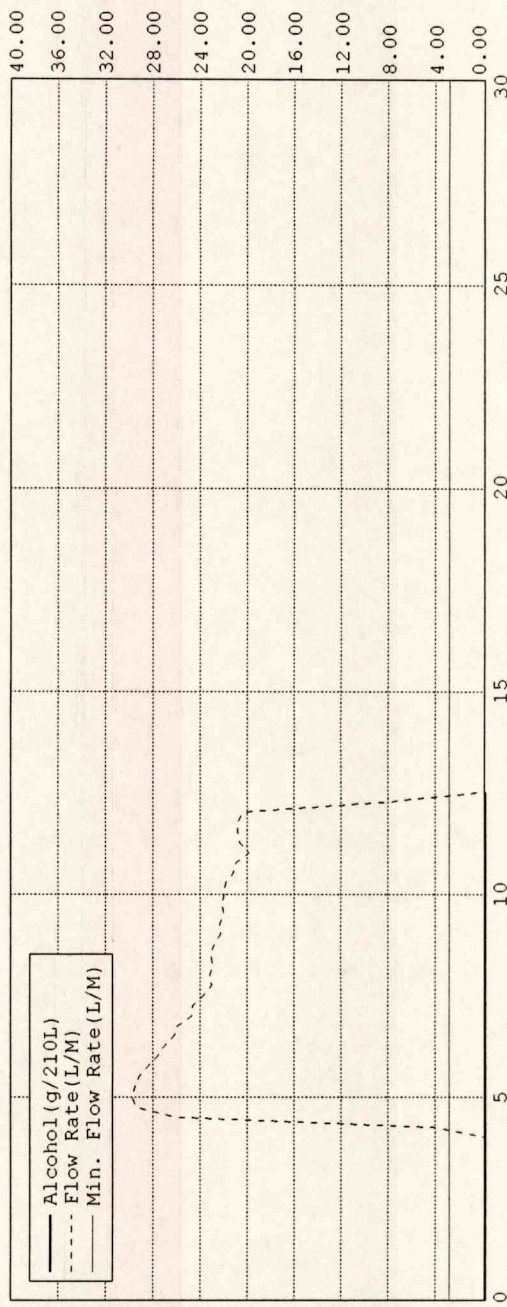
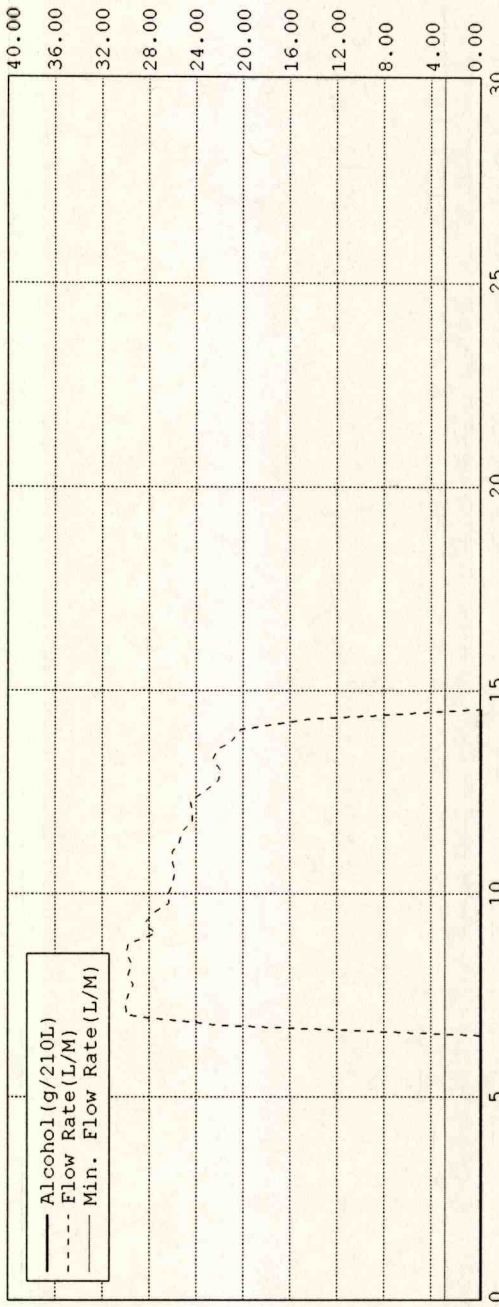
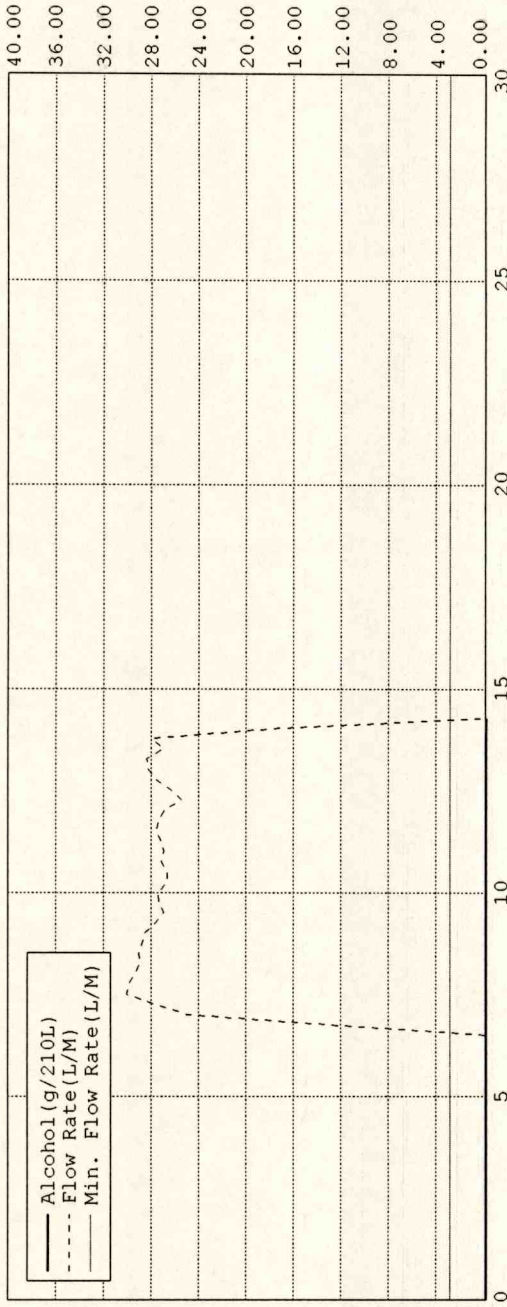
NOMINAL: 0.080

TARGET AT 29.69: 0.079

LOT #: AG826101

EXPIRATION: 09/18/2020

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	14:52
BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:52
EXTERNAL STANDARD	0.079	14:53
BLANK TEST	0.000	14:54
SUBJECT SAMPLE (Vol=3.36L)	0.000	14:54
BLANK TEST	0.000	14:55
EXTERNAL STANDARD	0.079	14:55
BLANK TEST	0.000	14:56
SUBJECT SAMPLE (Vol=3.31L)	0.000	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.080	14:57
BLANK TEST	0.000	14:58
SUBJECT SAMPLE (Vol=3.16L)	0.000	14:59
BLANK TEST	0.000	14:59
EXTERNAL STANDARD	0.080	15:00
BLANK TEST	0.000	15:01



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 01/17/2020
Time: 15:05:40

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

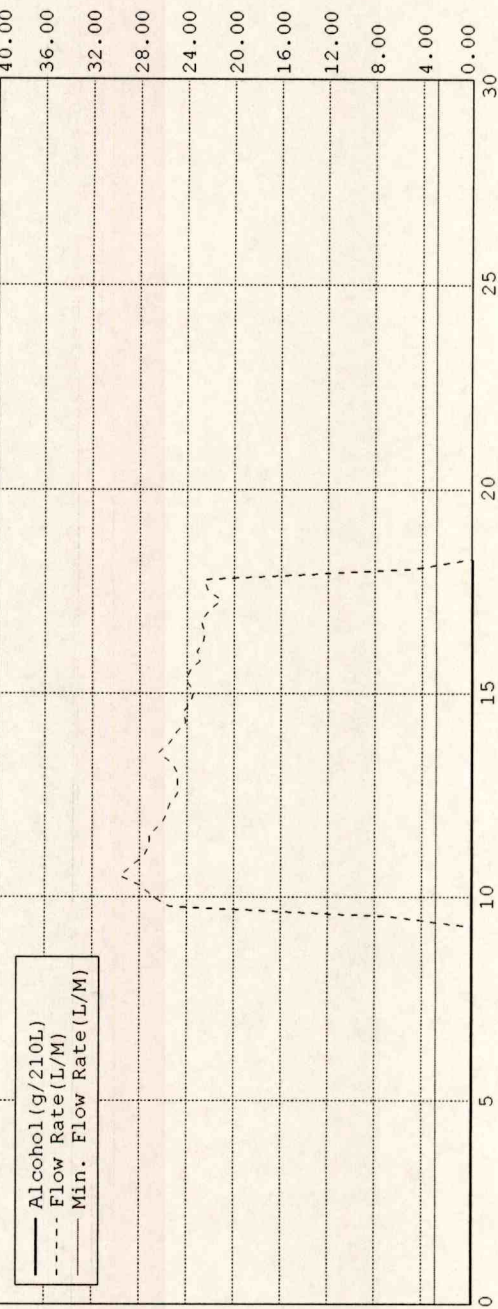
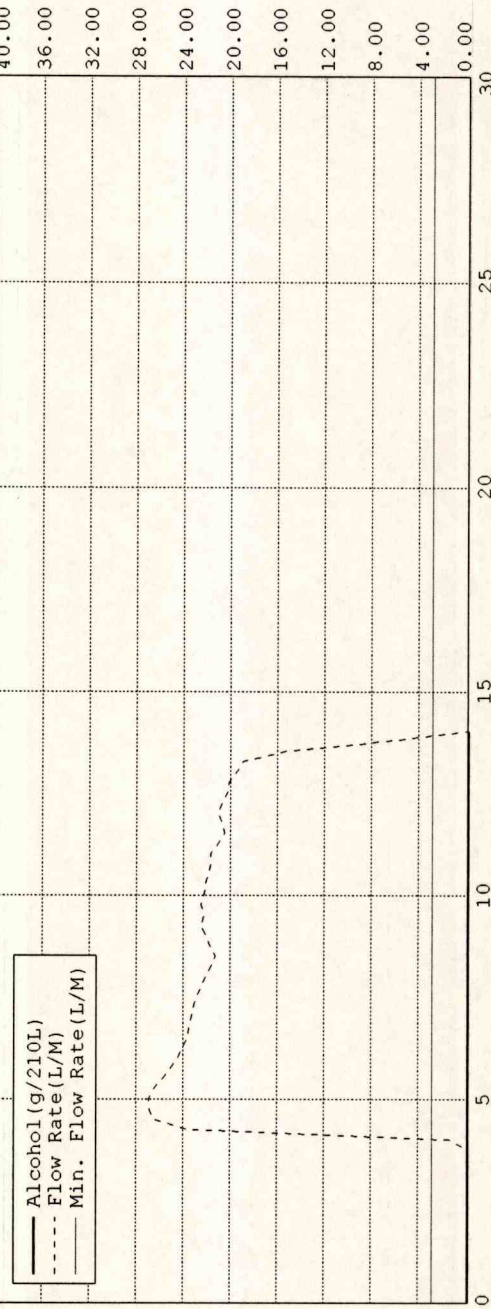
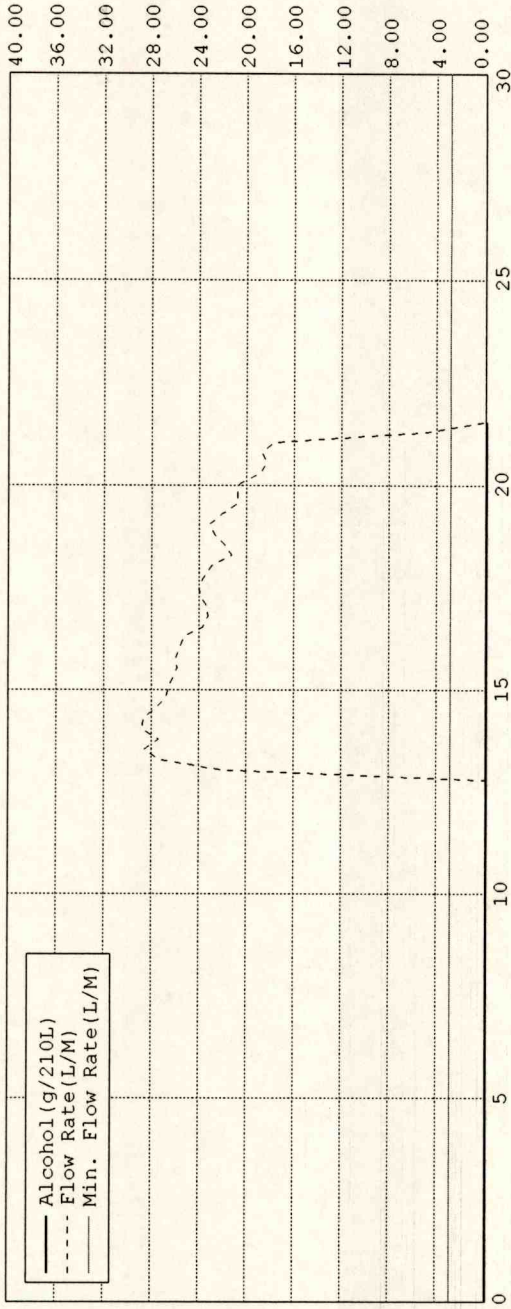
OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	15:06
BLANK TEST	0.000	15:06
INTERNAL STANDARD	VERIFIED	15:06
EXTERNAL STANDARD	0.078	15:07
BLANK TEST	0.000	15:08
SUBJECT SAMPLE (Vol=3.30L)	0.000	15:08
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.078	15:09
BLANK TEST	0.000	15:10
SUBJECT SAMPLE (Vol=3.59L)	0.000	15:10
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.079	15:11
BLANK TEST	0.000	15:12
SUBJECT SAMPLE (Vol=3.47L)	0.000	15:13
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.079	15:14
BLANK TEST	0.000	15:15



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 01/17/2020
Time: 15:18:25

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300

BLANK TEST	0.000	15:19
INTERNAL STANDARD	VERIFIED	15:19
EXTERNAL STANDARD	0.306	15:20
BLANK TEST	0.000	15:21
EXTERNAL STANDARD	0.304	15:21
BLANK TEST	0.000	15:22
EXTERNAL STANDARD	0.306	15:23
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.304	15:24
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.305	15:26
BLANK TEST	0.000	15:27

Average = 0.3050
Std Dev = 0.0010

