

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100413

Date: 01/17/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Failed certification - pump errors on simulator use

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 12/16/19*

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

4. Troubleshooting/Repair

Replaced 5 way valve. Previously installed 5 way valve (12/16/19)
determined to be faulty by Intoximeters.

Ran VOC, 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 #: 100413

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/17/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 468 psi

BLANK TEST	0.000	14:51
INTERNAL STANDARD ✓	VERIFIED	14:51
Xq = 0.095 (0.00%)		
EXTERNAL STANDARD	0.078	14:51
X[1] = 0.0775 (-0.0033) (-0.0007)		
BLANK TEST	0.000	14:52
EXTERNAL STANDARD	0.078	14:52
X[1] = 0.0778 (-0.0023) (-0.0003)		
BLANK TEST	0.000	14:53
EXTERNAL STANDARD	0.078	14:53
X[1] = 0.0778 (-0.0024) (0.0000)		
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.078	14:55
X[1] = 0.0778 (-0.0026) (-0.0004)		
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.077	14:56
X[1] = 0.0774 (-0.0024) (-0.0005)		
BLANK TEST	0.000	14:57

Average = 0.0778
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 47.9°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 1.98 V (1.08 V - 2.52 V)	PASSED
Cooler Voltage = 1.87 V (0.95 V - 2.23 V)	PASSED
Bias Voltage = 79 V (47 V - 111 V)	PASSED
Chopper Freq = 517 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 5.202 L/M (3.500 L/M - 6.500 L/M)	PASSED
--	--------

DETECTOR INFO

PUMP ON (0.002 V <= 0.010 V)	PASSED
PUMP OFF (0.002 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓
Xq = 0.094 0.46% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100413

Date: 01/17/2020
Time: 15:01:13

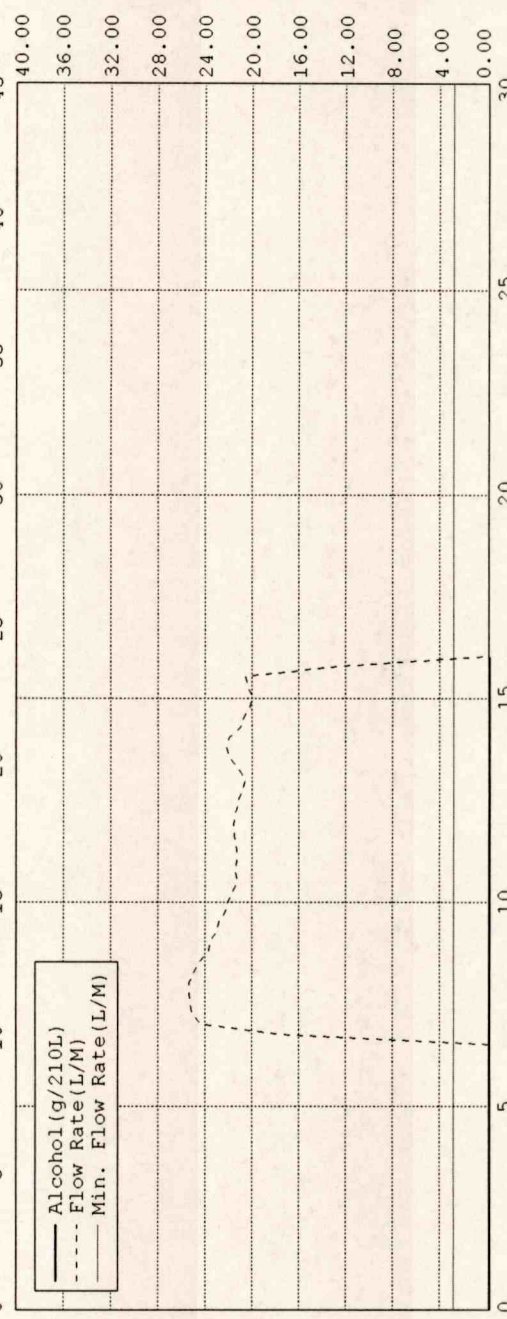
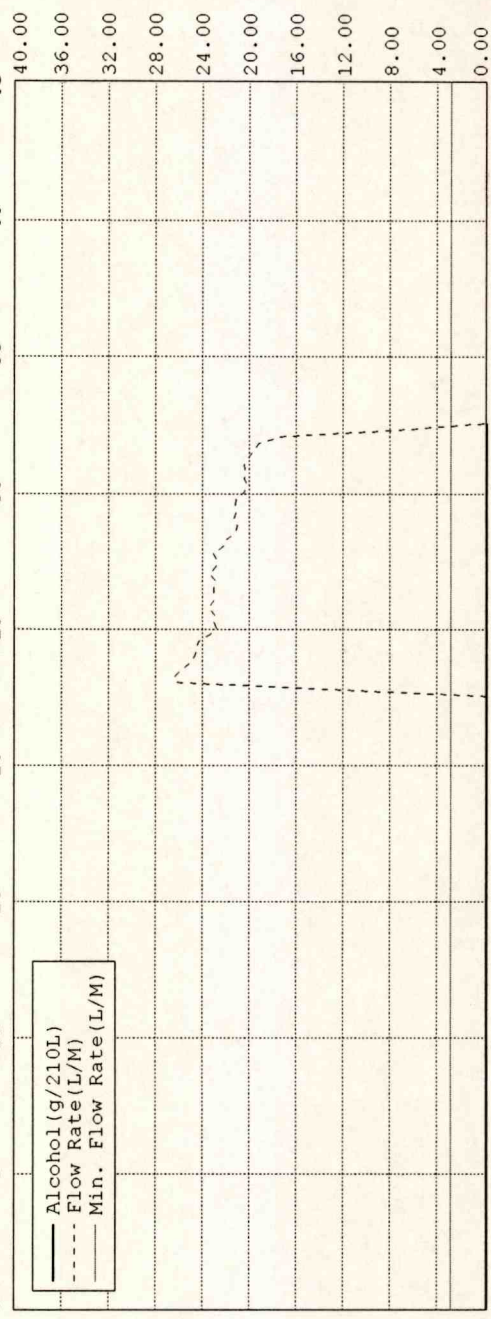
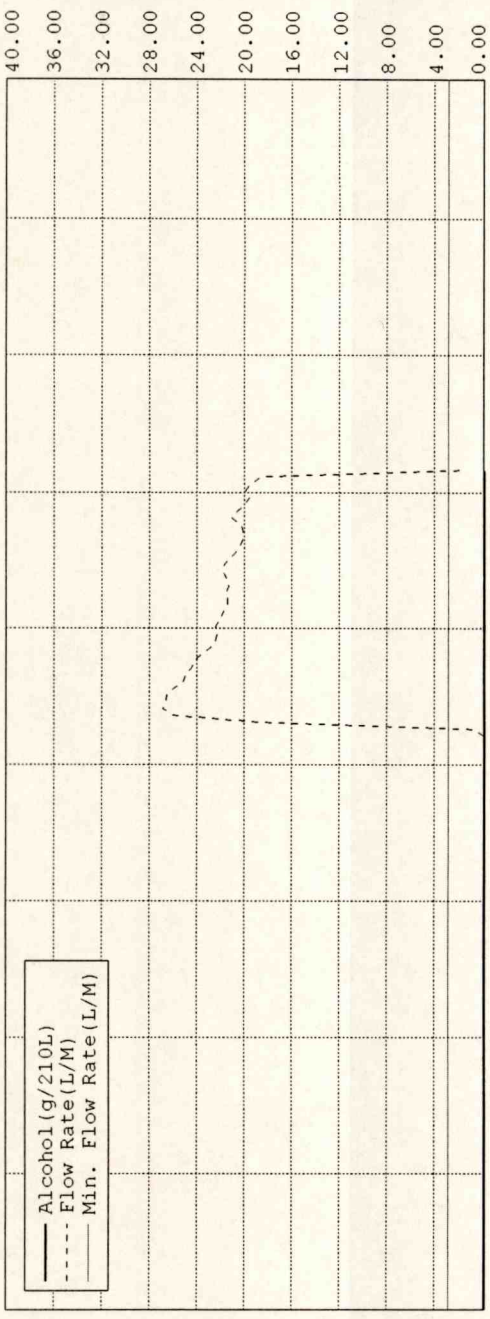
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

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 29.70: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021

DIAGNOSTIC CHECK	PASSED	15:08
BLANK TEST	0.000	15:08
INTERNAL STANDARD	VERIFIED	15:08
EXTERNAL STANDARD	0.078	15:08
BLANK TEST	0.000	15:09
SUBJECT SAMPLE (Vol=3.43L)	0.000	15:10
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.078	15:11
BLANK TEST	0.000	15:12
SUBJECT SAMPLE (Vol=3.54L)	0.000	15:13
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.078	15:14
BLANK TEST	0.000	15:15
SUBJECT SAMPLE (Vol=3.38L)	0.000	15:15
BLANK TEST	0.000	15:16
EXTERNAL STANDARD	0.078	15:16
BLANK TEST	0.000	15:17



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100413

Date: 01/17/2020
Time: 15:24:40

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300

BLANK TEST	0.000	15:30
INTERNAL STANDARD	VERIFIED	15:30
EXTERNAL STANDARD	0.295	15:31
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.295	15:32
BLANK TEST	0.000	15:33
EXTERNAL STANDARD	0.294	15:34
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.293	15:35
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.293	15:37
BLANK TEST	0.000	15:38

Average = 0.2940
Std Dev = 0.0010

