

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 08/08/2017
Effective: 08/10/2017

Version: DMEF2017 R1
Status: Active

Instrument # 100669

Date: 3/7/18

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Interference Status Messages

2. Visual Inspection (internal and external)

3. O-ring inspection

4. Troubleshooting/Repair

Replaced O-Ring

Blew through a 0.100 simulator solution and filter 2 was slightly elevated but not to troubling levels.

Due to problems in the field the instrument will be recalibrated.

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: 03/07/2018
Time: 10:02:19

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

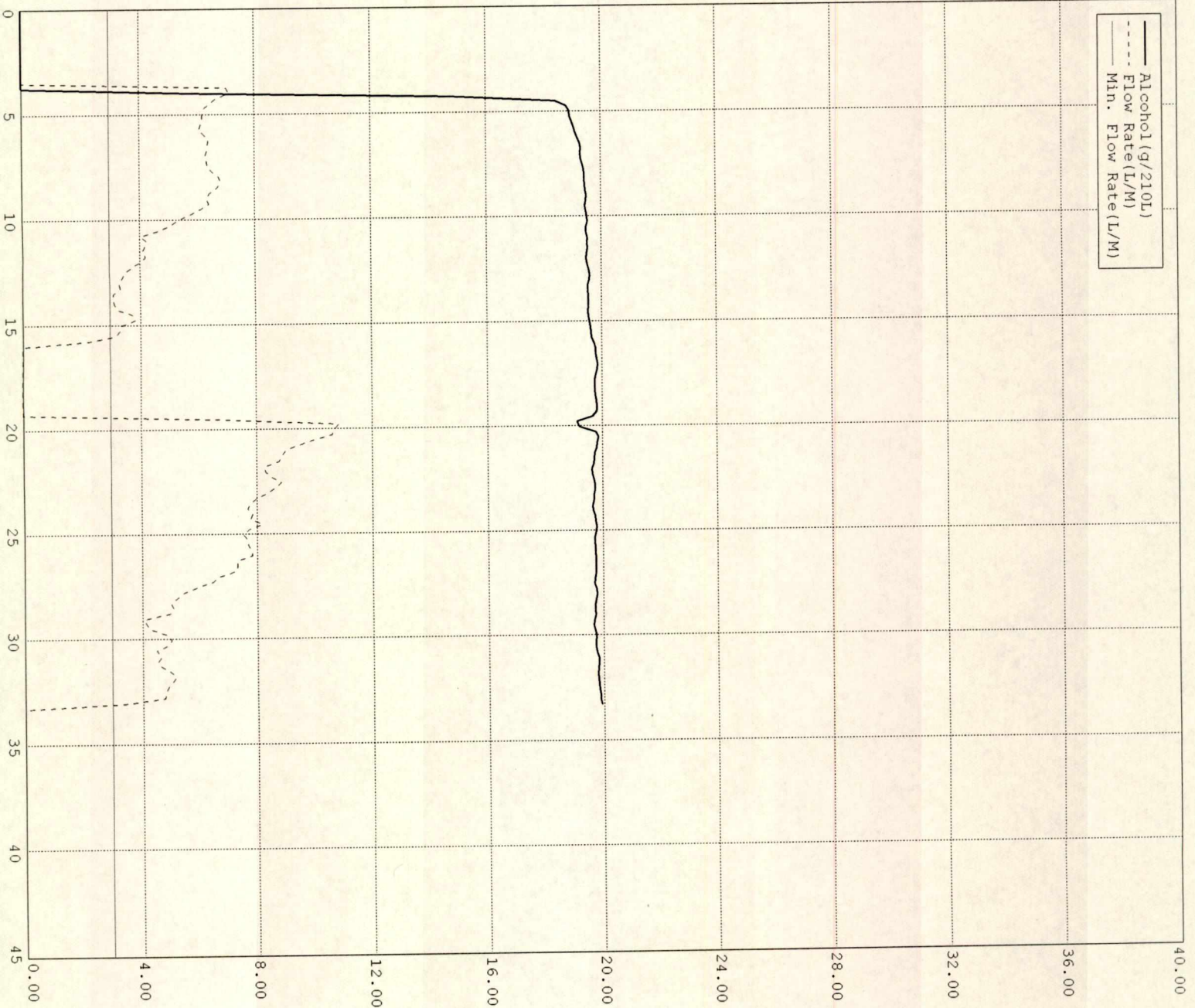
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

DEPT/AGENCY:
TEST
CASE/REPORT: TEST
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.76: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018

DIAGNOSTIC CHECK	PASSED	10:03
BLANK TEST	0.000	10:03
INTERNAL STANDARD	VERIFIED	10:03
Xq = 0.086 (0.51%)	0.079	10:04
EXTERNAL STANDARD	X[1] = 0.0791 (0.0007)	(0.0013)
BLANK TEST	0.000	10:05
SUBJECT SAMPLE (Vol=1.57L)	0.100	10:05
X[1] = 0.1004 (-0.0037)	(-0.0003)	
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.078	10:06
X[1] = 0.0784 (0.0006)	(0.0007)	
BLANK TEST	0.000	10:07

BBB



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100669

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/07/2018

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.77: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 559 psi

BLANK TEST	0.000	09:17
INTERNAL STANDARD	VERIFIED	09:17
Xq = 0.086 (0.10%)		
EXTERNAL STANDARD	0.078	09:18
X[1] = 0.0784 (0.0003) (0.0005)		
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.078	09:19
X[1] = 0.0784 (0.0000) (0.0002)		
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.079	09:20
X[1] = 0.0787 (-0.0003) (0.0002)		
BLANK TEST	0.000	09:21
EXTERNAL STANDARD	0.079	09:21
X[1] = 0.0785 (-0.0003) (0.0000)		
BLANK TEST	0.000	09:22
EXTERNAL STANDARD	0.079	09:22
X[1] = 0.0789 (0.0001) (0.0002)		
BLANK TEST	0.000	09:23

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.00 V - 2.32 V)	
Cooler Voltage = 1.38 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.608 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

Xq = 0.085	0.41%	(0.00% - 4.00%)	PASSED
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