

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 7/10/2015  
Effective: 7/10/2015

Version: DMEF2015 R0  
Status: Active

Instrument # 100367

Date: 12/7/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Standard out of range and interference detected during suspect tests. Modem would not upload during checks.

2. Visual Inspection

3. Troubleshooting/Repair

Unable to duplicate filter issues - interference.

Replaced modem board + uploaded successfully.

4. VOC (attached)

5. Internal Standard value  $\leq 3.00\%$  Yes  No

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100367

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/07/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.01: 0.078  
LOT #: 01315080A3  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 725 psi

BLANK TEST	0.000	15:21
INTERNAL STANDARD	VERIFIED	15:22
Xq = 0.081 (0.85%)		
EXTERNAL STANDARD	0.075	15:22
X[1] = 0.0748 (-0.0026) (-0.0020)		
BLANK TEST	0.000	15:23
EXTERNAL STANDARD	0.074	15:23
X[1] = 0.0738 (-0.0036) (-0.0021)		
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.074	15:24
X[1] = 0.0744 (-0.0032) (-0.0020)		
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.074	15:25
X[1] = 0.0742 (-0.0034) (-0.0021)		
BLANK TEST	0.000	15:26
EXTERNAL STANDARD	0.074	15:26
X[1] = 0.0742 (-0.0035) (-0.0019)		
BLANK TEST	0.000	15:27

Average = 0.0742  
Std Dev = 0.0004

Filter 2 avg = -0.0033  
Filter 3 avg = -0.0020

## Diagnostic Check

### VERSIONS

DMT: 3.01  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.6°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.55 V	PASSED
(0.90 V - 2.10 V)	
Cooler Voltage = 1.64 V	PASSED
(1.06 V - 2.48 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.0 in	

### PUMP INFO

Flow Rate = 4.020 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

Xq = 0.081	PASSED
0.53%	(0.00% - 4.00%)

I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

Nita J. Bolz  
Scientific Director  
State Breath Alcohol Program

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100367

Date: 12/08/2015  
 Time: 10:54:40

SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

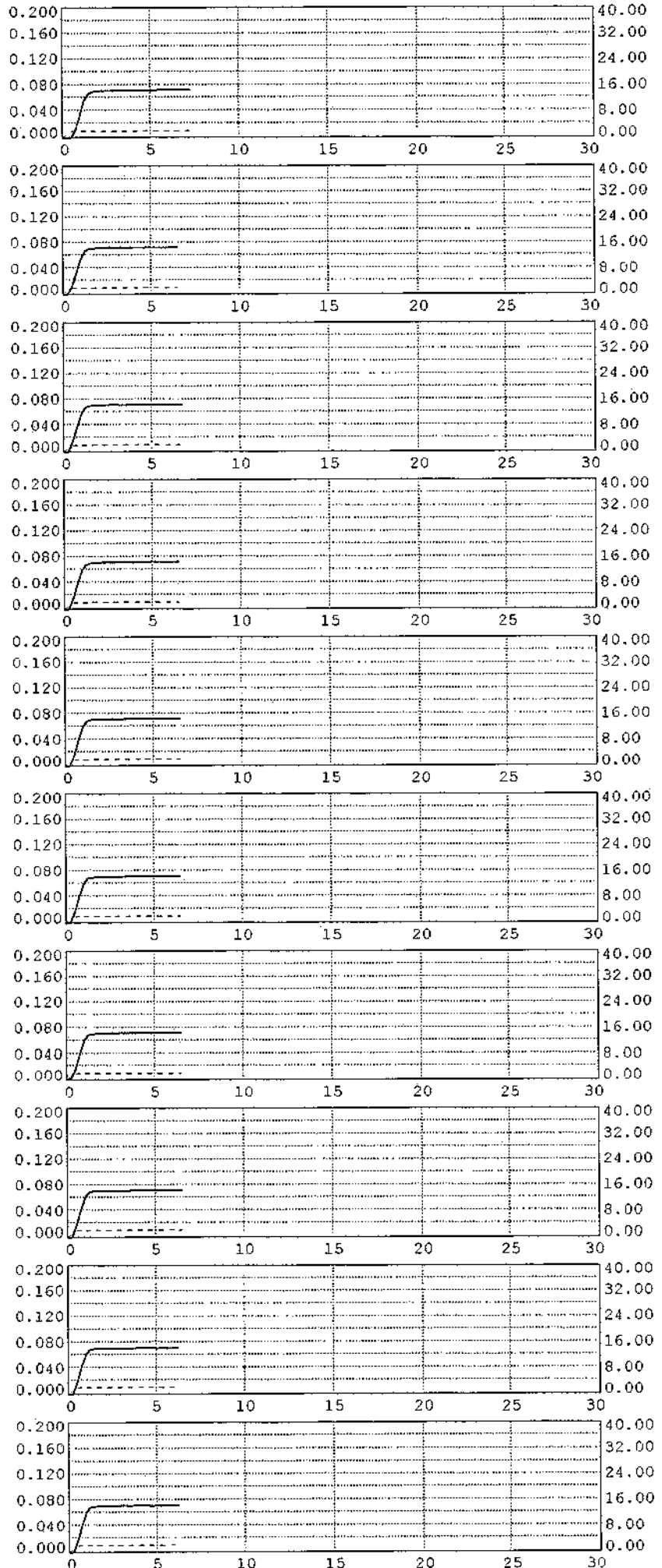
EXTERNAL STANDARD INFORMATION

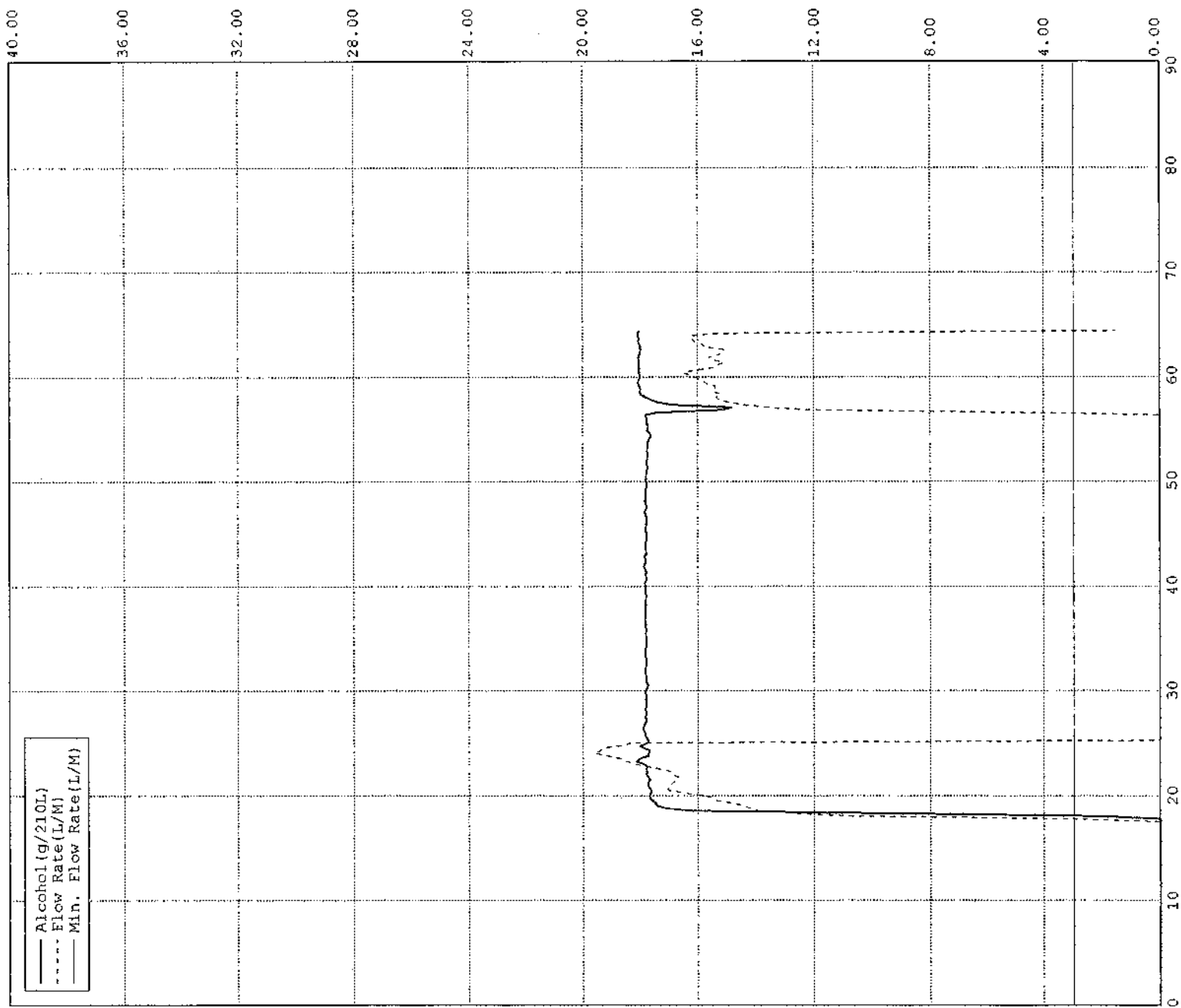
NOMINAL: 0.080  
 TARGET AT 28.73: 0.077  
 LOT #: 01315080A3  
 EXPIRATION: 02/05/2017  
 TANK PRESSURE: 712 psi

BLANK TEST	0.000	10:58
INTERNAL STANDARD	VERIFIED	10:58
Xq = 0.082 (1.07%)		
EXTERNAL STANDARD	0.074	10:58
X[1] = 0.0740 (-0.0020) (-0.0008)		
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.074	10:59
X[1] = 0.0740 (-0.0020) (-0.0006)		
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.074	11:00
X[1] = 0.0740 (-0.0019) (-0.0014)		
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.073	11:01
X[1] = 0.0734 (-0.0029) (-0.0010)		
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.074	11:02
X[1] = 0.0738 (-0.0023) (-0.0007)		
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.073	11:04
X[1] = 0.0732 (-0.0016) (0.0007)		
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.074	11:05
X[1] = 0.0738 (-0.0015) (0.0000)		
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.073	11:06
X[1] = 0.0735 (-0.0017) (0.0001)		
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.073	11:07
X[1] = 0.0732 (-0.0015) (0.0006)		
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.074	11:08
X[1] = 0.0736 (-0.0016) (0.0005)		
BLANK TEST	0.000	11:09

Average = 0.0736  
 Std Dev = 0.0005

*Filter 2 avg = -0.0019*  
*Filter 3 avg = -0.0003*





**SUBJECT TEST**

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 Alaska Department of Public Safety  
 DATAMASTER dmt: 100367  
 -----  
 Date: 12/08/2015  
 Time: 11:24:20

**SUBJECT NAME:**  
**TEST TEST**  
**LICENSE #:** 0.100 SIM

**OPERATOR NAME:**  
 COLLEEN S O'BRYANT  
 OPERATOR'S #: 6237

**DEPT/AGENCY:**  
 AAA1

**CASE/REPORT:** 15-1234  
**TEST TYPE:** TEST

**EXTERNAL STANDARD INFORMATION**  
 NOMINAL: 0.080  
 TARGET AT 28.71: 0.077  
 LOT #: 01315080A3  
 EXPIRATION: 02/05/2017

<b>DIAGNOSTIC CHECK</b>	<b>PASSED</b>	11:25
<b>BLANK TEST</b>	0.000	11:25
<b>INTERNAL STANDARD</b>	<b>VERIFIED</b>	11:25
Xq = 0.081 (0.21%)		
<b>EXTERNAL STANDARD</b>	0.074	11:25
X[1] = 0.0740 (-0.0025)	(-0.0014)	
<b>BLANK TEST</b>	0.000	11:26
<b>SUBJECT SAMPLE (Vol=1.95L)</b>	0.091	11:27
X[1] = 0.0916 (-0.0012)	(-0.0038)	
<b>BLANK TEST</b>	0.000	11:28
<b>EXTERNAL STANDARD</b>	0.074	11:29
X[1] = 0.0736 (-0.0017)	(-0.0011)	
<b>BLANK TEST</b>	0.000	11:29

*CAB*

SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100367

Date: 12/08/2015  
 Time: 14:00:10

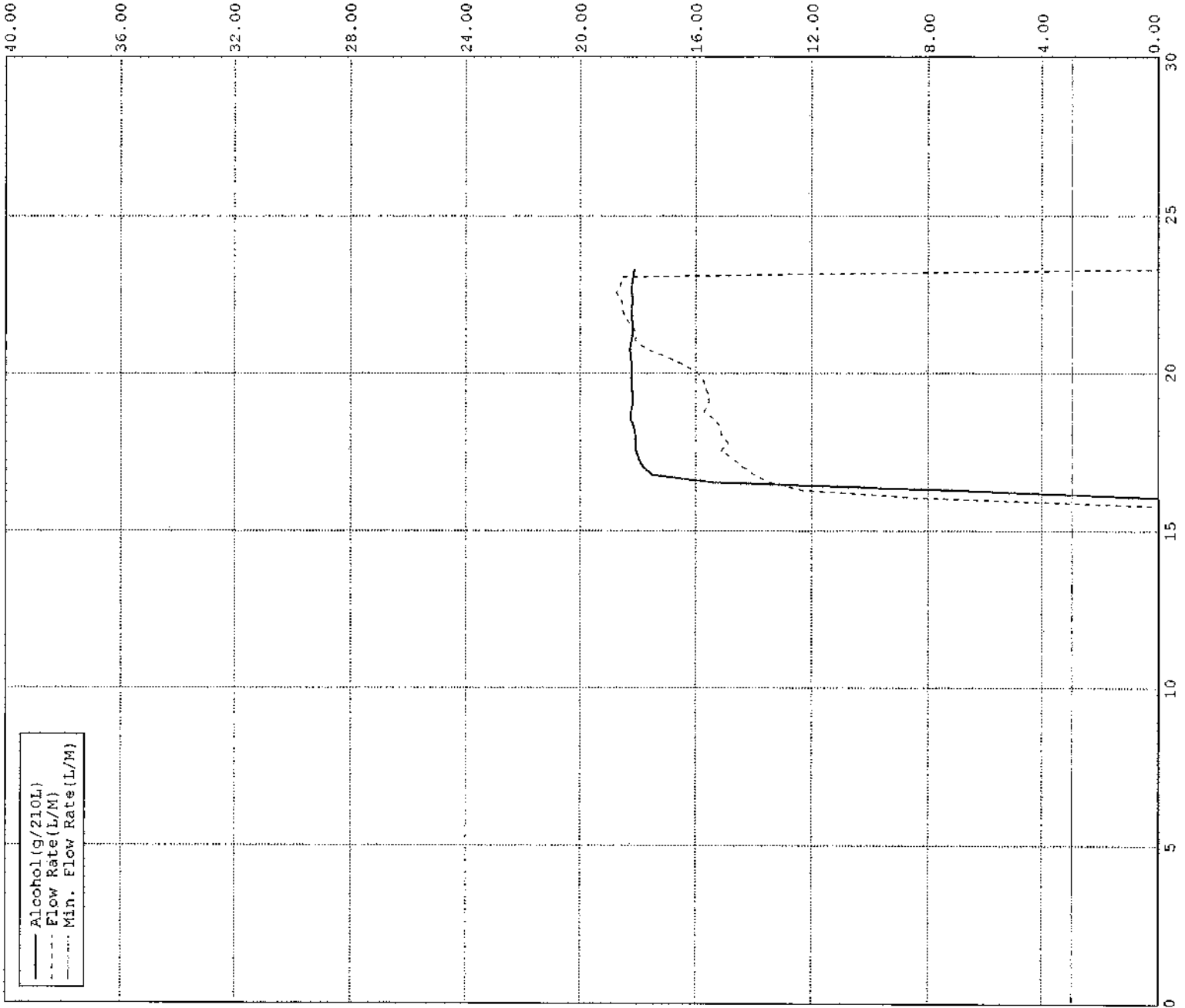
SUBJECT NAME:  
 TEST TEST  
 LICENSE #: 0.100 SIM

OPERATOR NAME:  
 COLLEEN S O'BRYAN  
 OPERATOR'S #: 6237

DEPT/AGENCY:  
 AAAA  
 CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 28.67: 0.077  
 LOT #: 01315080A3  
 EXPIRATION: 02/05/2017

DIAGNOSTIC CHECK	PASSED	14:01
BLANK TEST	0.000	14:01
INTERNAL STANDARD	VERIFIED	14:01
$x_q = 0.081$ (0.53%)		
EXTERNAL STANDARD	0.073	14:01
$x[1] = 0.0734$ (-0.0022)	(-0.0002)	
BLANK TEST	0.000	14:02
SUBJECT SAMPLE (Vol=1.94L)	0.091	14:03
$x[1] = 0.0914$ (-0.0020)	(-0.0022)	
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.073	14:04
$x[1] = 0.0732$ (-0.0017)	(-0.0011)	
BLANK TEST	0.000	14:05



SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100367

Date: 12/08/2015  
 Time: 14:07:14

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: NONDRINKING

OPERATOR NAME:  
 COLLEEN S O'BRYAN  
 OPERATOR'S #: 6237

DEPT/AGENCY:  
 AAA1  
 CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 28.68: 0.077  
 LOT #: 01315080A3  
 EXPIRATION: 02/05/2017

DIAGNOSTIC CHECK	PASSED	14:08
BLANK TEST	0.000	14:08
INTERNAL STANDARD	VERIFIED	14:08
Xq = 0.082 (0.96%)		
EXTERNAL STANDARD	0.074	14:08
X[1] = 0.0744 (-0.0012) (0.0001)		
BLANK TEST	0.000	14:09
SUBJECT SAMPLE (Vol=2.59L)	0.000	14:10
X[1] = 0.0000 (-0.0014) (-0.0004)		
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.074	14:11
X[1] = 0.0743 (-0.0020) (-0.0004)		
BLANK TEST	0.000	14:12

