

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 6/11/2014  
Effective: 6/11/2014

Version: DMEF2014 R0  
Status: Active

Instrument # 100342

Date: 3/23/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Greater number than expected interference detected on subject tests. Instrument removed from ARD Jail (Room with single instrument)

2. Troubleshooting/Repair

Performed multiple tests over a few weeks time period and was unable to recreate the issue.

3/23/15 - VOC, Subject test using 0.100 um through breath hose.  
3/26/15 - ~~VOC~~ subject tests (9) using 0.100 simulator pushed through the breath hose.  
4/11/15 - VOC

None of the tests resulted in an interference detected from the subject test, or external standard.

3. VOC (attached)

4. 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 #: 100342

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 03/23/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.71: 0.079  
 LOT #: 09214080A2  
 EXPIRATION: 05/01/2016  
 TANK PRESSURE: 980 psi

BLANK TEST	0.000	12:37
INTERNAL STANDARD	VERIFIED	12:38
EXTERNAL STANDARD	0.076	12:38
BLANK TEST	0.000	12:39
EXTERNAL STANDARD	0.076	12:39
BLANK TEST	0.000	12:40
EXTERNAL STANDARD	0.077	12:40
BLANK TEST	0.000	12:41
EXTERNAL STANDARD	0.077	12:41
BLANK TEST	0.000	12:42
EXTERNAL STANDARD	0.077	12:42
BLANK TEST	0.000	12:43

Average = 0.0766  
 Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

DMT: 3.00  
 PIC: 3.03  
 Modem: 2.6  
 Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 48.1°C	PASSED

### PUMP INFO

Flow Rate = 5.329 L/M	PASSED
-----------------------	--------

### DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
-------------------	--------

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 \_\_\_\_

SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100342

Date: 03/23/2015  
 Time: 13:01:02

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: 0.100 SIM

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

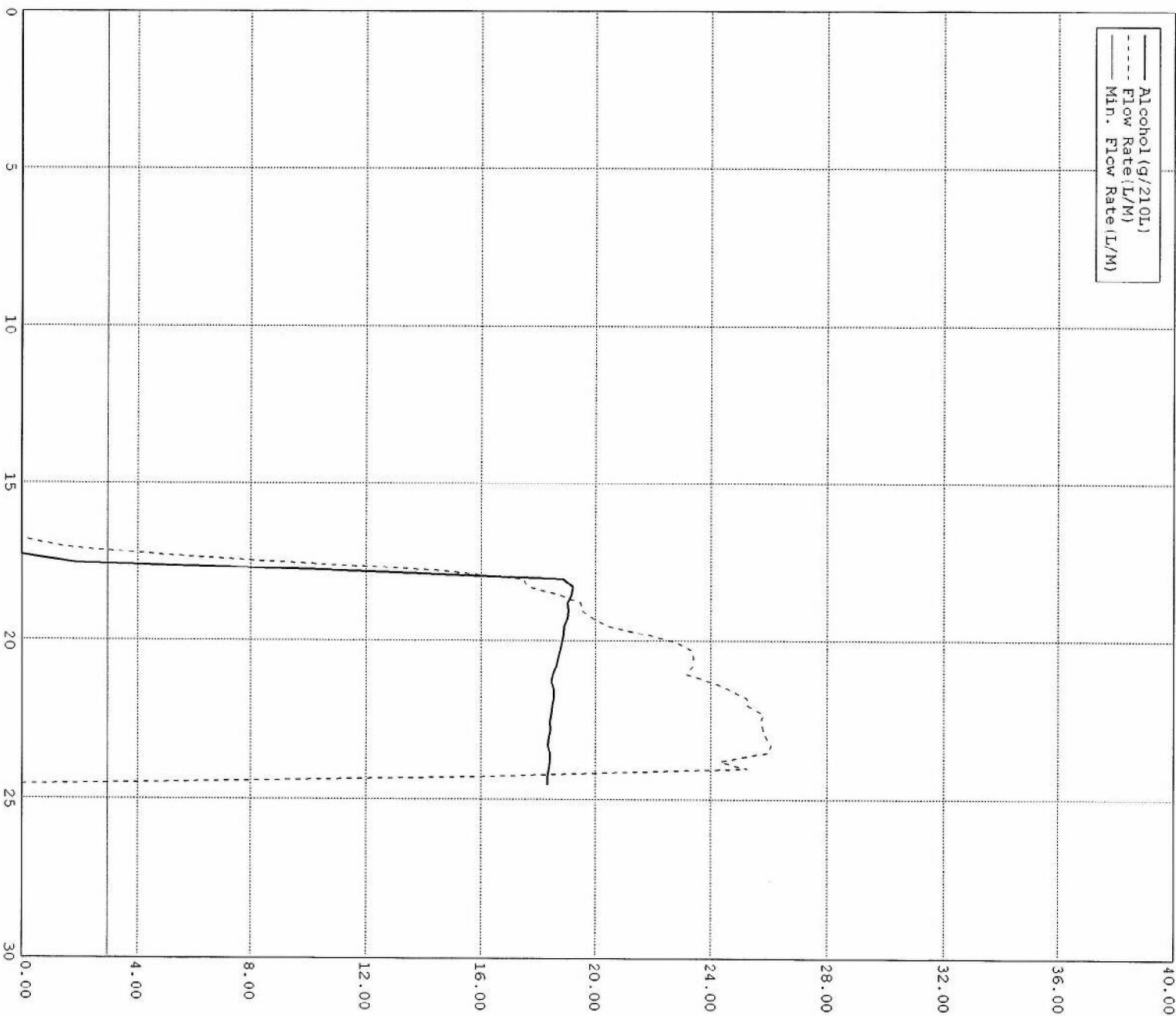
DEPT/AGENCY:  
 AAA1  
 CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.70: 0.079  
 LOT #: 09214080A2  
 EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	13:08
BLANK TEST	0.000	13:08
INTERNAL STANDARD	VERIFIED	13:08
Xq = 0.092 (0.67%)		
EXTERNAL STANDARD	0.076	13:08
X[1] = 0.0764 (-0.0037) (0.0015)		
BLANK TEST	0.000	13:09
SUBJECT SAMPLE (Vol=2.59L)	0.092	13:10
X[1] = 0.0926 (-0.0016) (-0.0002)		
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.076	13:11
X[1] = 0.0760 (-0.0031) (0.0019)		
BLANK TEST	0.000	13:12

*Both 0.100 dot 14/110 Exp 5/1/16  
 Simulator Dec 16/1 Cal. 2/19/14*



SUBJECT TEST

Alaska Department of Public Safety  
 DATA MASTER dmt: 100342

Date: 03/26/2015  
 Time: 12:55:59

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: 0.100 SIM

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

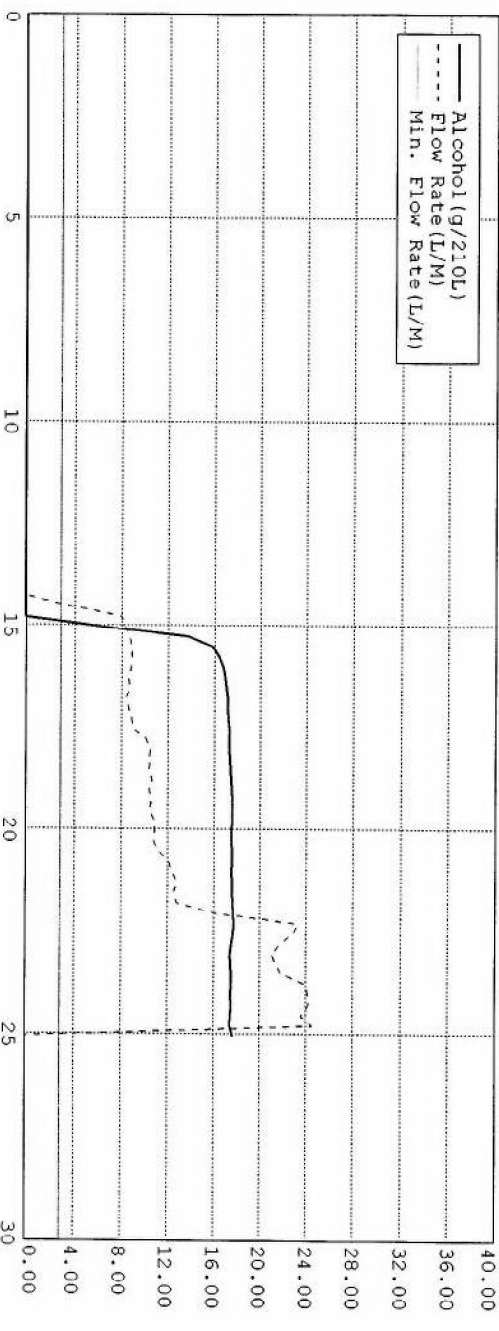
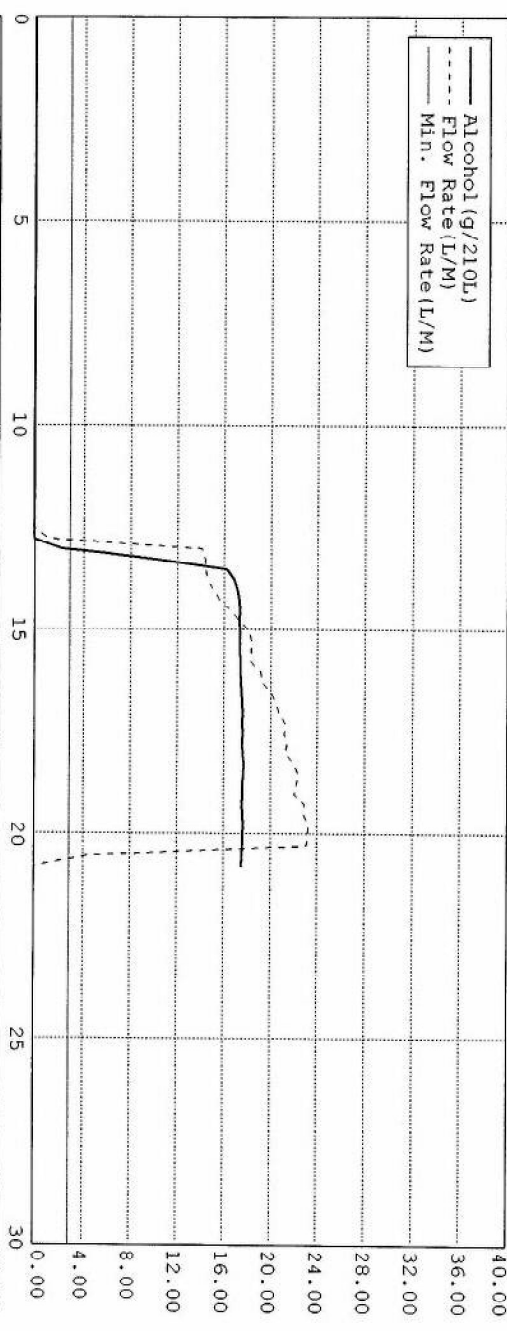
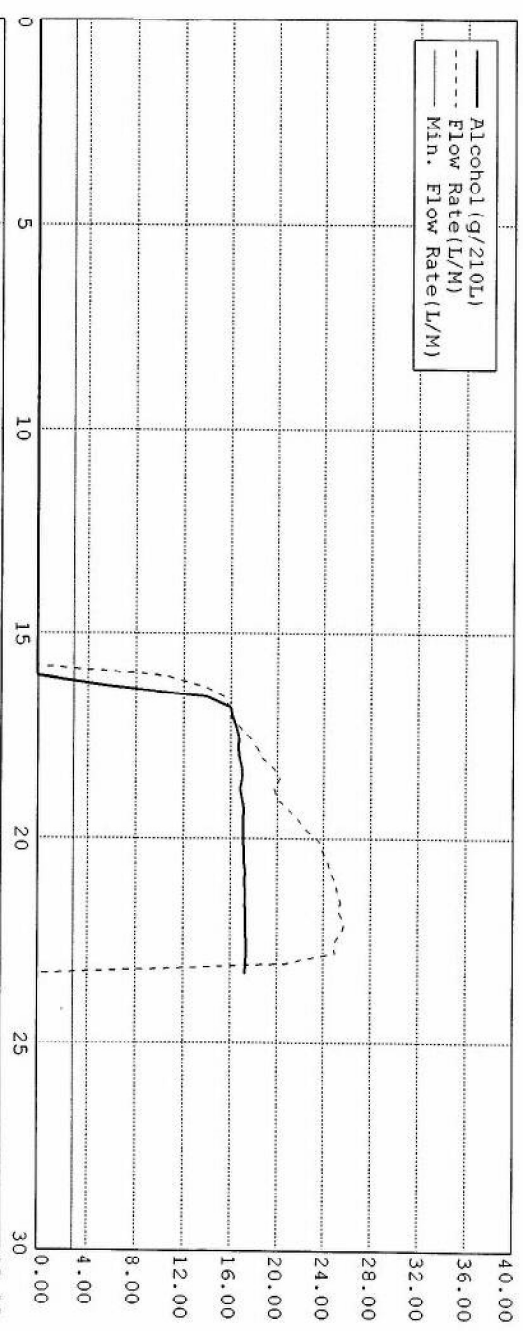
DEPT/AGENCY:  
 AAI  
 CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.10: 0.078  
 LOT #: 09214080A2  
 EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	12:57
BLANK TEST	0.000	12:57
INTERNAL STANDARD	VERIFIED	12:57
Xq = 0.091 (0.19%)		
EXTERNAL STANDARD	0.075	12:57
X[1] = 0.0751 (-0.0027)	(0.0019)	
BLANK TEST	0.000	12:58
SUBJECT SAMPLE (Vol=2.54L)	0.087	12:58
X[1] = 0.0876 (-0.0001)	(-0.0005)	
BLANK TEST	0.000	12:59
SUBJECT SAMPLE (Vol=2.46L)	0.089	13:00
X[1] = 0.0895 (-0.0009)	(-0.0004)	
BLANK TEST	0.000	13:01
SUBJECT SAMPLE (Vol=2.38L)	0.091	13:02
X[1] = 0.0911 (-0.0019)	(-0.0011)	
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.075	13:03
X[1] = 0.0746 (-0.0030)	(0.0010)	
BLANK TEST	0.000	13:04

*Auth 0.100 dot 14/110 5/1/16  
 Simulated 2/16/1 Cal. 2/19/14*

*CSB*



SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100342

Date: 03/26/2015  
 Time: 13:17:42

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: 0.100 SIM

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

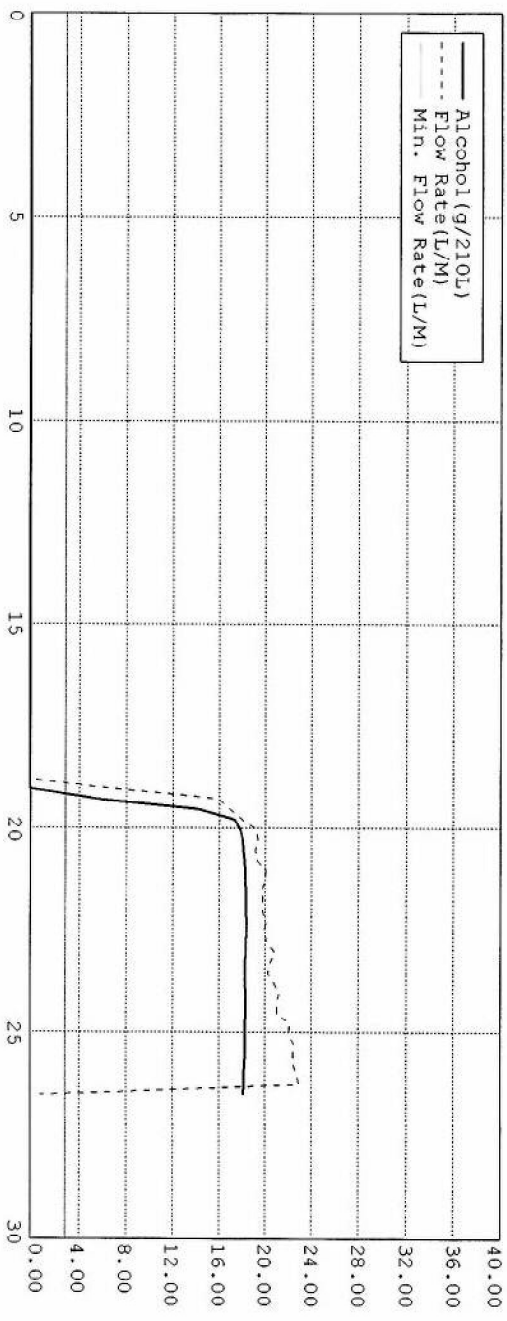
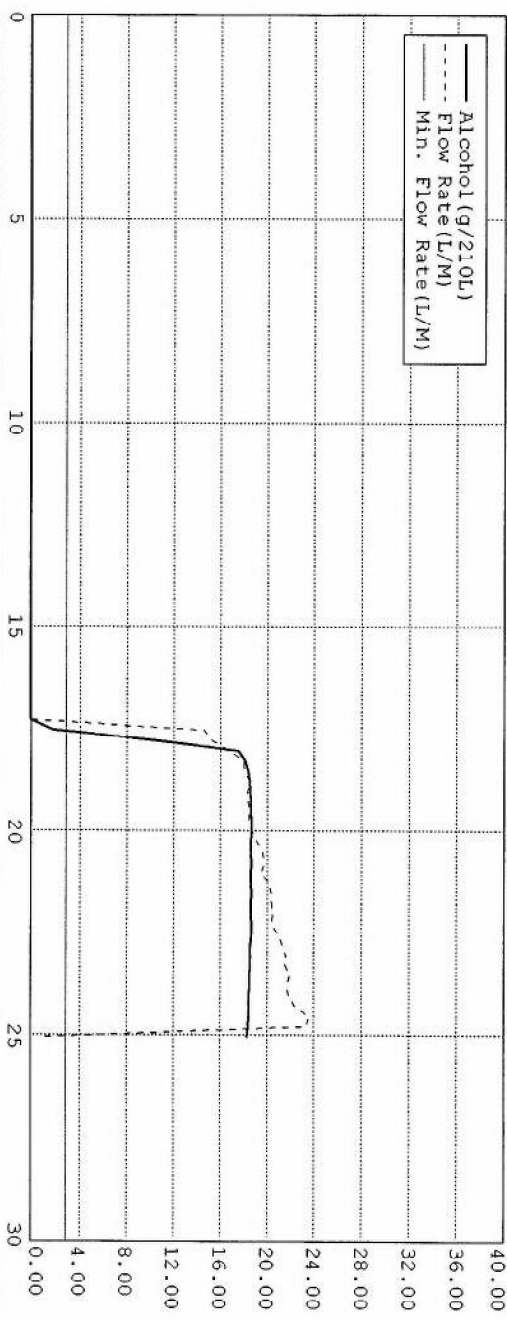
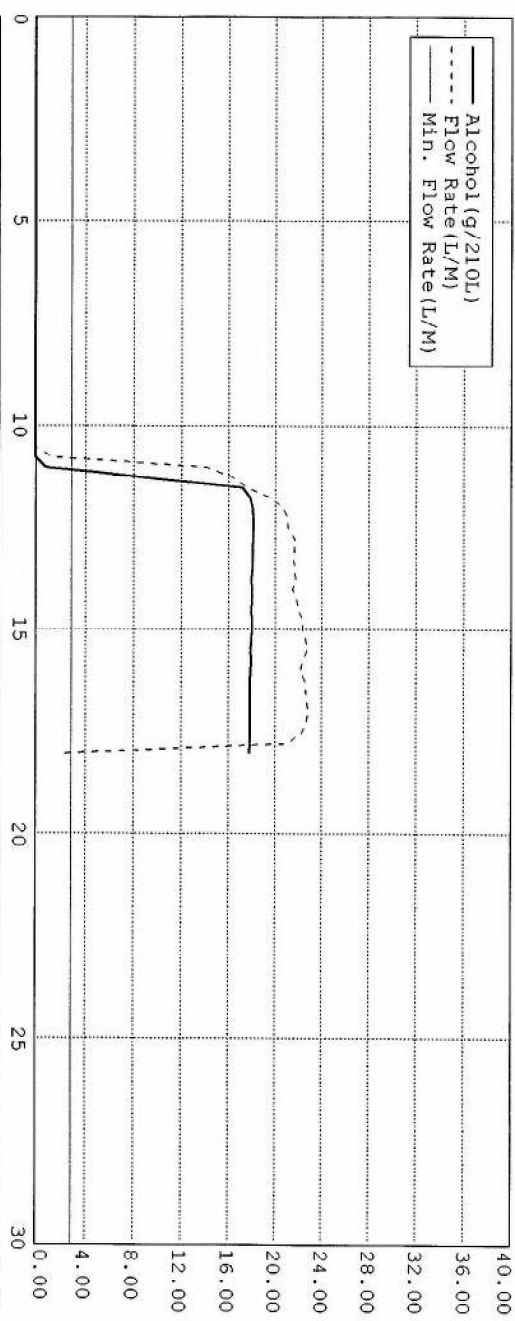
DEPT/AGENCY:  
 AAA1  
 CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.11: 0.078  
 LOT #: 09214080A2  
 EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	13:18
INTERNAL STANDARD	0.000	13:18
EXTERNAL STANDARD	VERIFIED	13:18
Xq = 0.092 (0.67%)		
INTERNAL STANDARD	0.075	13:19
X[1] = 0.0746 (-0.0023)	(0.0025)	
BLANK TEST	0.000	13:20
SUBJECT SAMPLE (Vol=2.50L)	0.091	13:20
X[1] = 0.0915 (-0.0028)	(0.0012)	
BLANK TEST	0.000	13:21
SUBJECT SAMPLE (Vol=2.48L)	0.093	13:21
X[1] = 0.0939 (-0.0016)	(0.0000)	
BLANK TEST	0.000	13:22
SUBJECT SAMPLE (Vol=2.50L)	0.091	13:23
X[1] = 0.0918 (-0.0014)	(0.0008)	
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.075	13:24
X[1] = 0.0746 (-0.0024)	(0.0020)	
BLANK TEST	0.000	13:25

*Both 0.100 dot 14110 Exp 5/1/16  
 Simulator 03/21/16/ cal. 2/19/14*

*CSB*



SUBJECT TEST

Alaska Department of Public Safety  
 DATAMASTER dnt: 100342

Date: 03/26/2015  
 Time: 13:32:02

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: 0.100 SIM

OPERATOR NAME:  
 COLLEEN S OBRyant  
 OPERATOR'S #: 6237

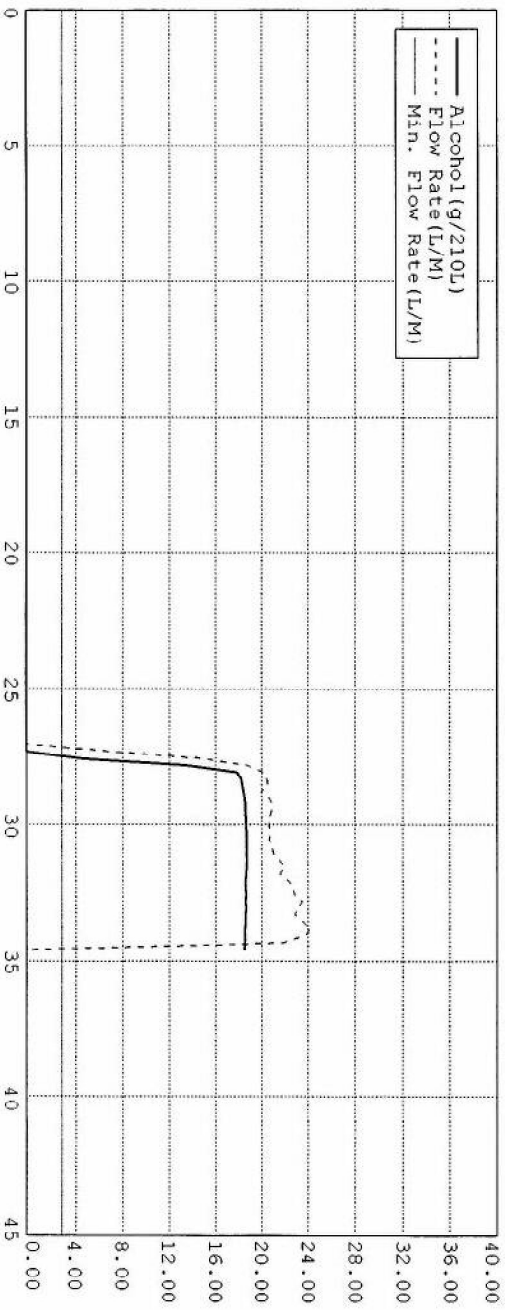
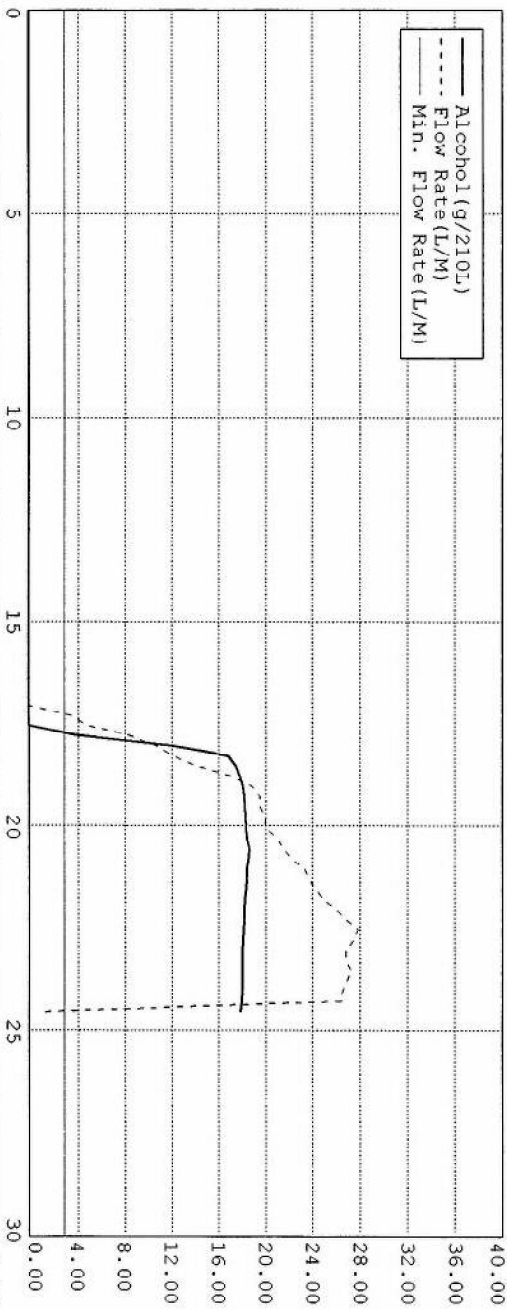
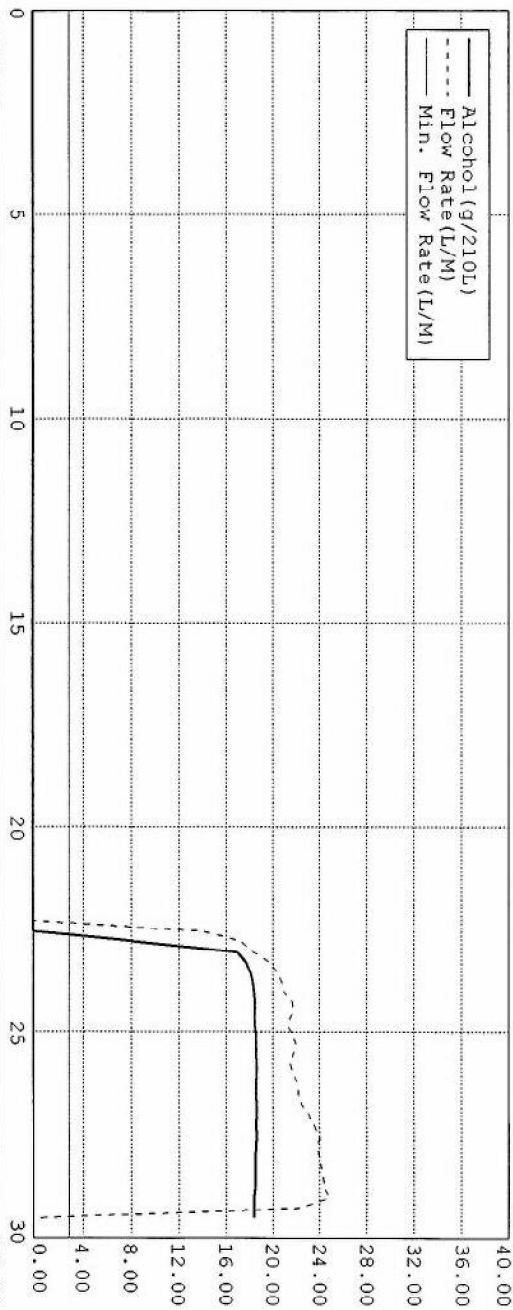
DEPT/AGENCY:  
 AAAl  
 CASE/REPORT: 15-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.11: 0.078  
 LOT #: 09214080A2  
 EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	13:33
BLANK TEST	0.000	13:33
INTERNAL STANDARD	VERIFIED	13:33
Xg = 0.092 (0.67%)		
EXTERNAL STANDARD	0.075	13:33
X[1] = 0.0748 (-0.0024)	(0.0028)	
BLANK TEST	0.000	13:34
SUBJECT SAMPLE (Vol=2.55L)	0.092	13:35
X[1] = 0.0925 (-0.0018)	(0.0005)	
BLANK TEST	0.000	13:36
SUBJECT SAMPLE (Vol=2.50L)	0.090	13:37
X[1] = 0.0901 (-0.0021)	(0.0016)	
BLANK TEST	0.000	13:38
SUBJECT SAMPLE (Vol=2.53L)	0.093	13:38
X[1] = 0.0935 (-0.0015)	(-0.0001)	
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.075	13:40
X[1] = 0.0749 (-0.0032)	(0.0015)	
BLANK TEST	0.000	13:40

*Both 0.100 set 4/1/10 Exp 5/1/16  
 Simulate 03/16/1 Cal. 2/19/14*

*COB*



# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100342

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 04/11/2015

## External Standard Test Values

## EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.00: 0.078  
 LOT #: 09214080A2  
 EXPIRATION: 05/01/2016  
 TANK PRESSURE: 929 psi

BLANK TEST	0.000	12:02
INTERNAL STANDARD	VERIFIED	12:02
EXTERNAL STANDARD	0.075	12:02
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.076	12:03
BLANK TEST	0.000	12:04
EXTERNAL STANDARD	0.074	12:04
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.075	12:05
BLANK TEST	0.000	12:06
EXTERNAL STANDARD	0.074	12:06
BLANK TEST	0.000	12:07

Average = 0.0748  
 Std Dev = 0.0008

## Diagnostic Check

## VERSIONS

DMT: 3.00  
 PIC: 3.03  
 Modem: 2.6  
 Questions: 2.2

## TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 48.1°C	PASSED

## PUMP INFO

Flow Rate = 5.167 L/M	PASSED
-----------------------	--------

## DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

## FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
-------------------	--------

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 \_\_\_\_\_