

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 04/04/2012
Effective: 04/04/2012

Version: DMCEF2012 R1
Status: Active

Instrument S/N 100692 Analyst Colleen O'Bryant Start Date 11/23/12

Diagnostic Test (attached)

1. Voltage Checks

- a. Adjust voltages, if needed
- i. Lamp (2.6V Maximum)
- ii. Bias (80V)
- iii. Cooler (2.0V Maximum)
- iv. Chopper Frequency
- v. Detector Voltage (-0.100V to 0.100V)
- b. Set RFI
- c. Adjust barometer reading to match NIST traceable barometer
- d. Adjust volume setting, if needed (1.5L +/- 0.1L)
- e. Print Technician Screen (attached)

2. Print Calibration Factors (attached)

3. Volume Test - Minimum 1500 mL (1.3L to 1.7L)

4. Linearity Test (attached)

a. Levels Used

- i. 0.020g/210L Mnf ILMO Lot 07611020A5 Exp 03/01/2013
- ii. 0.040g/210L Mnf ILMO Lot 07611040A4 Exp 03/01/2013
- iii. 0.080g/210L Mnf ILMO Lot 02012080A1 Exp 03/01/2014
- iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 03/01/2013
- v. 0.200g/210L Mnf Both Lot 11120 Exp 07/19/2013
1. Simulator S/N DR4162 Date Calibrated 10/09/2012
- vi. 0.300g/210L Mnf Both Lot 12050 Exp 03/21/2014
1. Simulator S/N DR4178 Date Calibrated 02/21/2012

5. Functional Tests (attached)

- a. Incomplete
- b. Invalid
- c. Interference

- i. Acetone - Mnf Both Lot 11100 Level 0.100 Exp 07/06/2013
1. Simulator S/N DR5298 Date Calibrated 10/08/2012
- ii. Isopropanol - Mnf Both Lot 11250 Level 0.100 Exp 12/06/2013
1. Simulator S/N SD1202 Date Calibrated 10/09/2012
- iii. Negative Control - Mnf Both Lot 11220 Level 0.100 Exp 10/24/2013
1. Simulator S/N SD1176 Date Calibrated 10/09/2012

d. RFI

6. Verify stylus is calibrated
7. Verify card reader is functional
8. Reset Options
9. Clear Memory

10. Verification of Calibration
11. Non-Drinking Subject Test (attached)
12. Upload
13. Update agency information and polling status in DM Host Calling Program NA

End Date 11/23/12

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 07:01:35

VERSIONS
DMT: 2.00
PIC: 3.03
Modem: 2.3
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C PASSED
Breath Tube = 46.8°C PASSED

PUMP INFO
Flow Rate = 5.101 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

Technician Screen

DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 7:13 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 47.0°C

Current Barometer 29.4 in
Volume (Ltr) 1.51

Settings
Lamp: 1.69 V
Bias: 80 V
Cooler: 1.60 V
Chopper: 540 Hz

Voltages (V)
Flow: 1.04 V
Detector: -0.022 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/02/2011
Time: 08:49:23

Ca = 0.1000
CAL = 0.993327 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0036 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0906 0.0500 <= Xq < 0.2000
a21 = 1.191929 1.050 <= a21 < 1.300
a31 = 0.590430 0.300 <= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 07:28:30

SUBJECT NAME:
TEST TEST
LICENSE #: VOLUME TEST

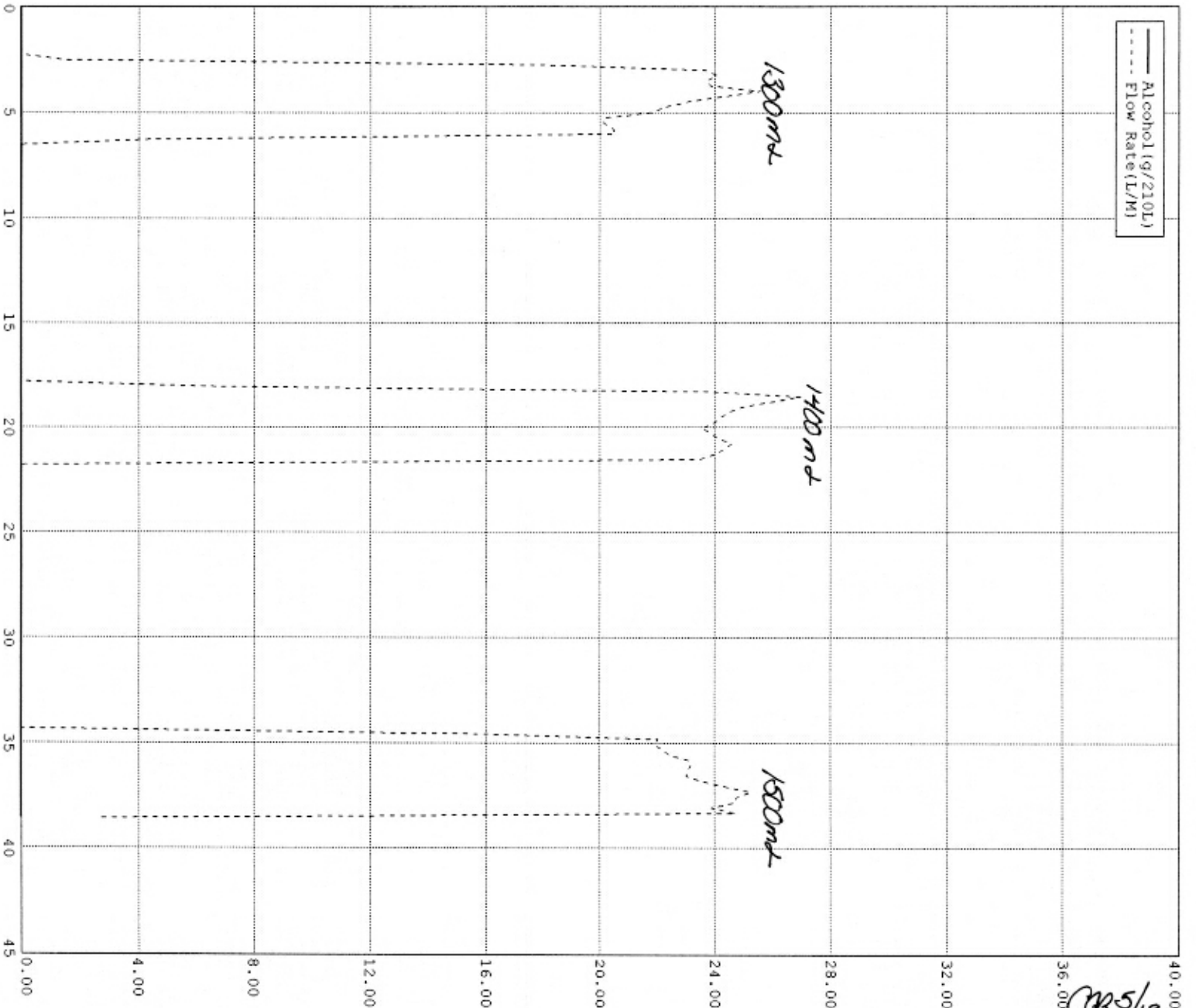
OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAAI
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.36: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	07:32
BLANK TEST	0.000	07:32
INTERNAL STANDARD	VERIFIED	07:32
EXTERNAL STANDARD	0.078	07:32
BLANK TEST	0.000	07:33
SUBJECT SAMPLE	0.000	07:34
BLANK TEST	0.000	07:35
EXTERNAL STANDARD	0.079	07:35
BLANK TEST	0.000	07:36

Colleen



0035/19

LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100692

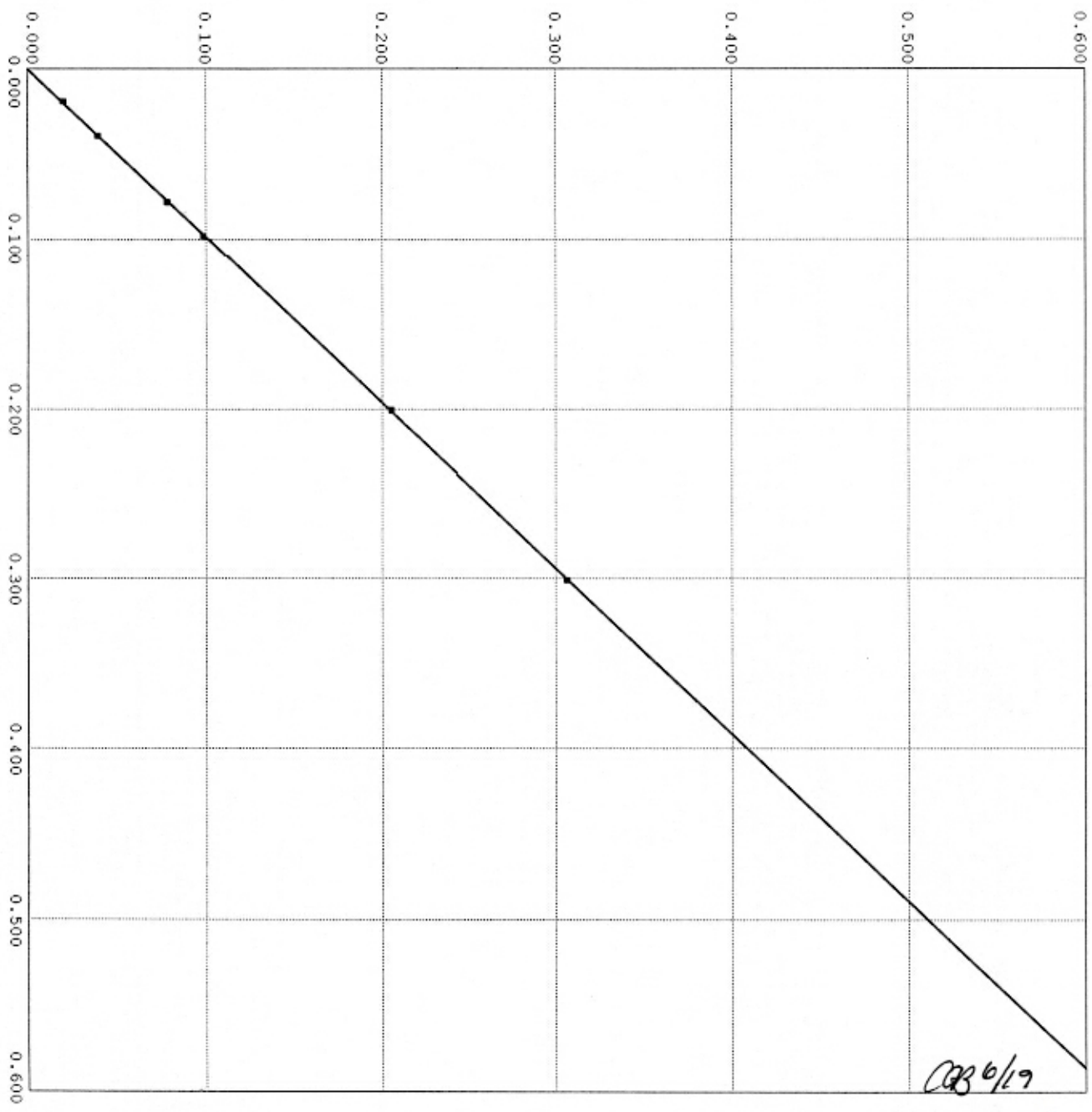
Date: 11/23/2012
 Time: 07:42:55

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0204	0.0004
0.039	0.0401	0.0003
0.078	0.0791	0.0002
0.098	0.0995	0.0003
0.200	0.2060	0.0003
0.300	0.3071	0.0003

SLOPE = 1.024487
 R² = 0.999941

CS



CS 6/19

LINEARITY CHECK: Control Test 1

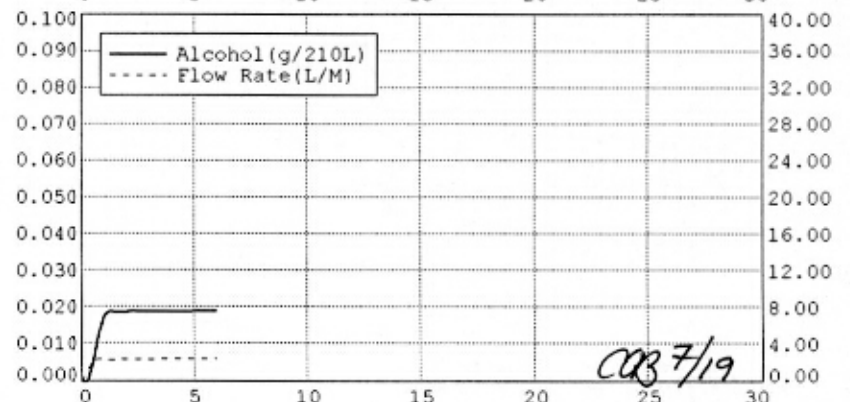
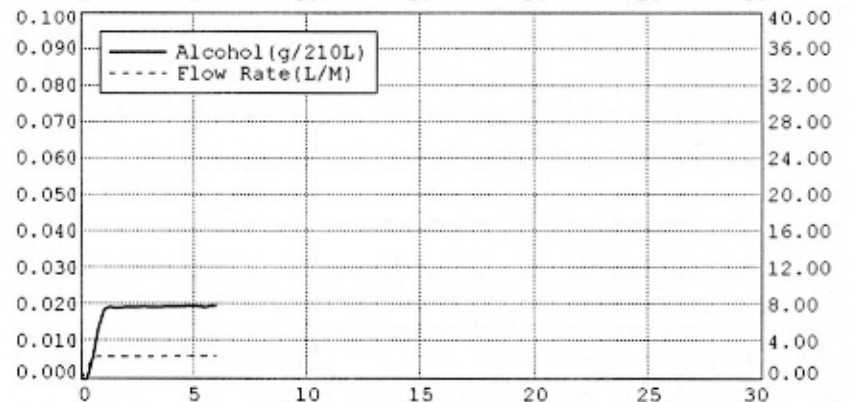
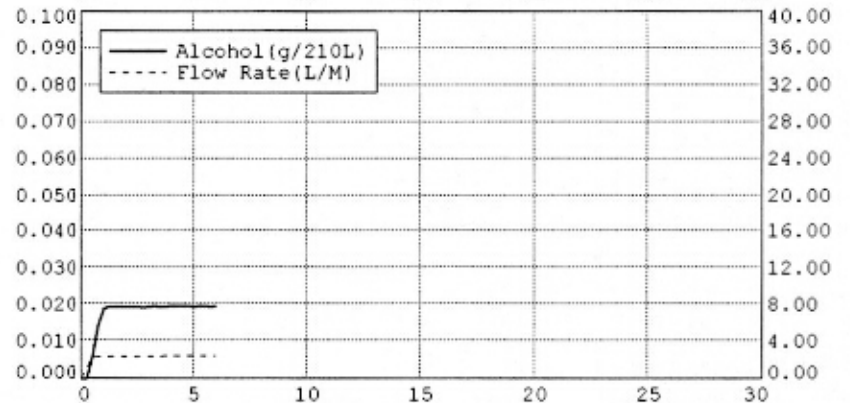
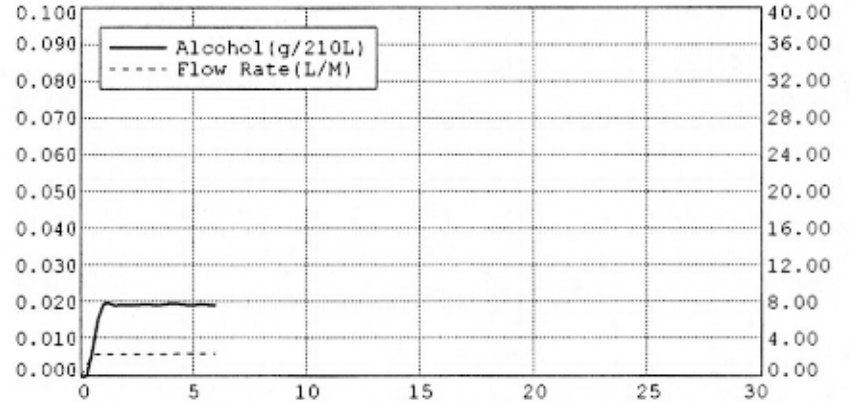
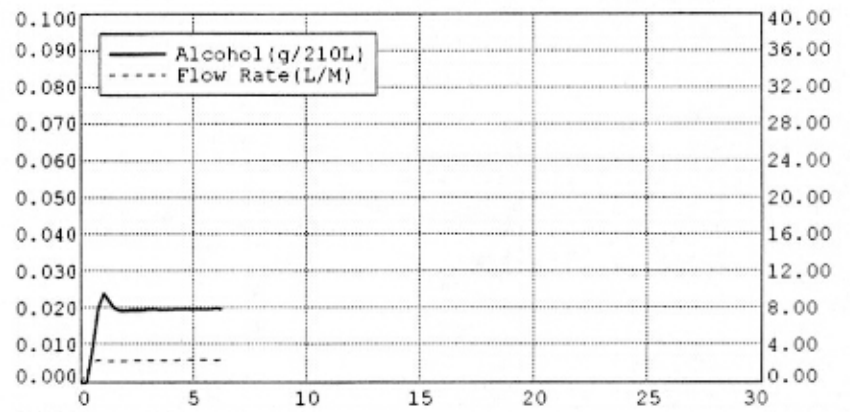
Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 07:42:56

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.38: 0.019
LOT #: 07611020A5
EXPIRATION: 03/01/2013

BLANK TEST	0.000	07:47
INTERNAL STANDARD	VERIFIED	07:47
EXTERNAL STANDARD	0.020	07:47
BLANK TEST	0.000	07:48
EXTERNAL STANDARD	0.020	07:48
BLANK TEST	0.000	07:49
EXTERNAL STANDARD	0.020	07:49
BLANK TEST	0.000	07:50
EXTERNAL STANDARD	0.020	07:50
BLANK TEST	0.000	07:51
EXTERNAL STANDARD	0.019	07:52
BLANK TEST	0.000	07:52

Average = 0.0204
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100692

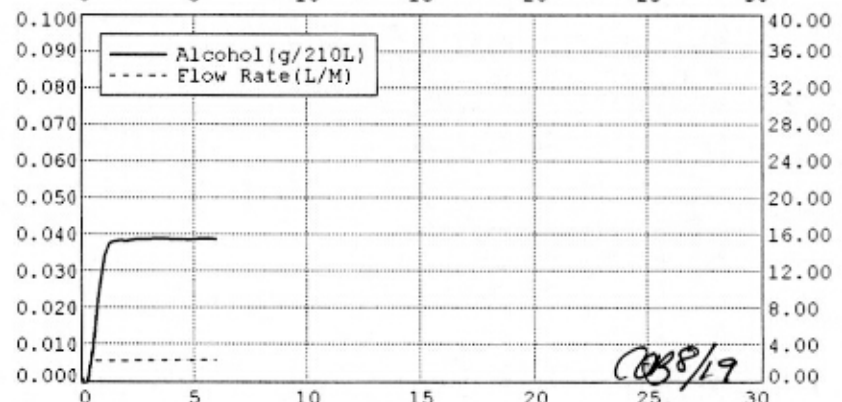
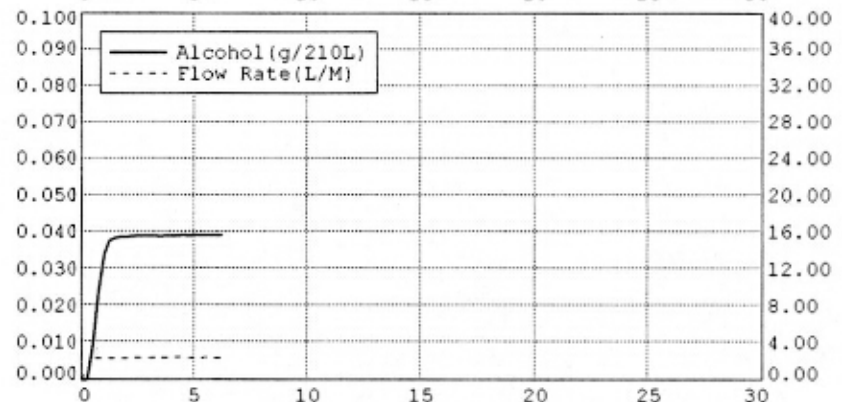
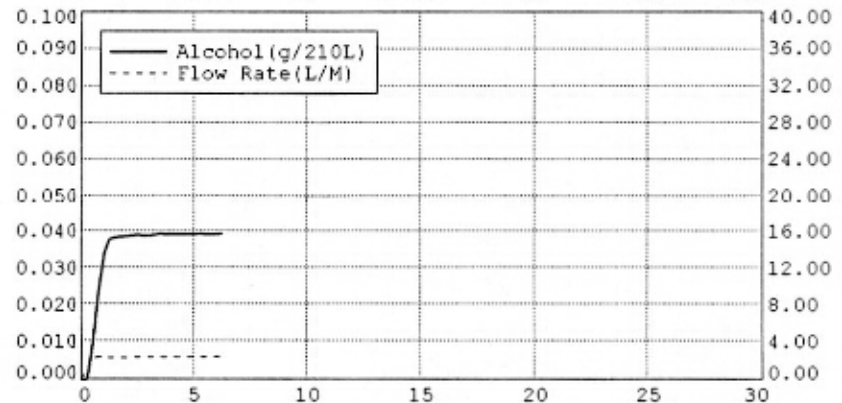
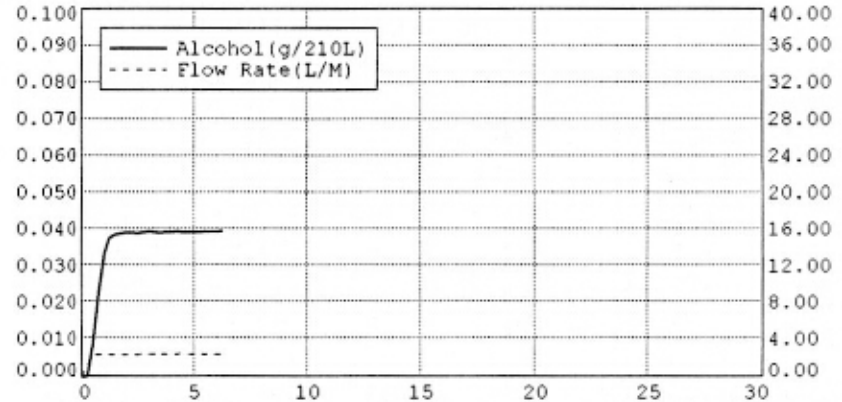
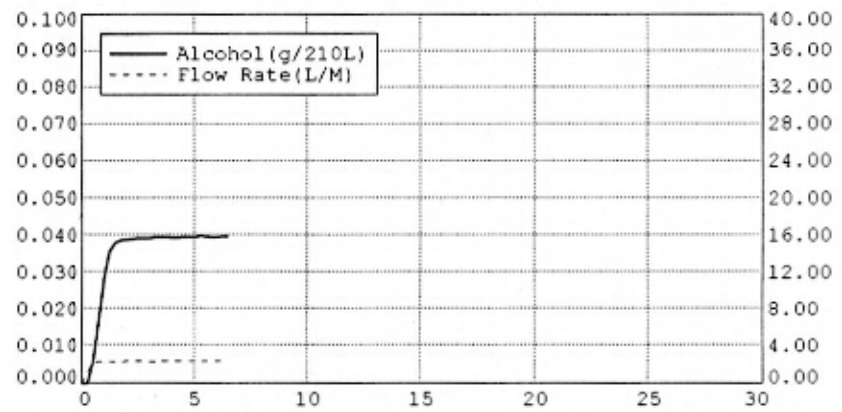
Date: 11/23/2012
Time: 07:54:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.38: 0.039
LOT #: 07611040A4
EXPIRATION: 03/01/2013

BLANK TEST	0.000	07:56
INTERNAL STANDARD	VERIFIED	07:56
EXTERNAL STANDARD	0.040	07:56
BLANK TEST	0.000	07:57
EXTERNAL STANDARD	0.040	07:57
BLANK TEST	0.000	07:58
EXTERNAL STANDARD	0.040	07:58
BLANK TEST	0.000	07:59
EXTERNAL STANDARD	0.040	07:59
BLANK TEST	0.000	08:00
EXTERNAL STANDARD	0.039	08:00
BLANK TEST	0.000	08:01

Average = 0.0401
Std Dev = 0.0003



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100692

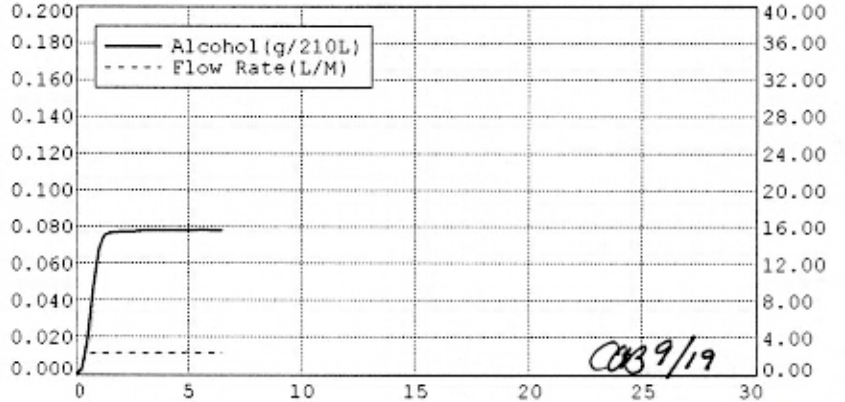
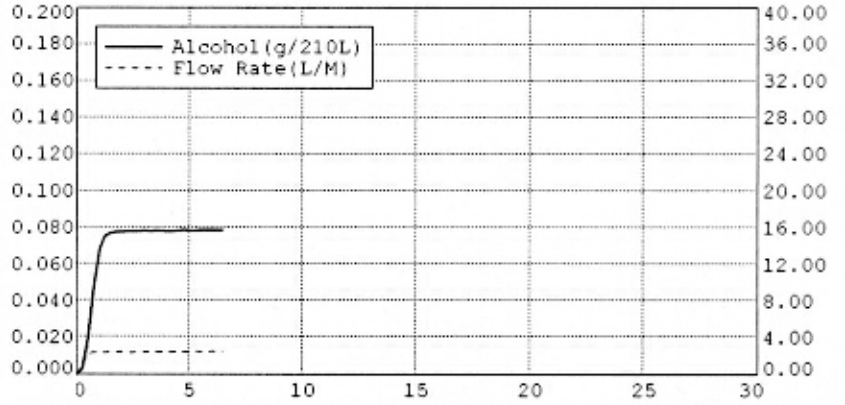
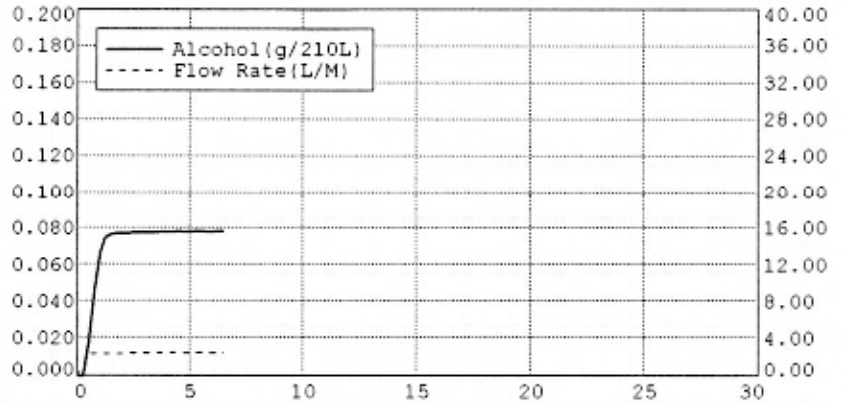
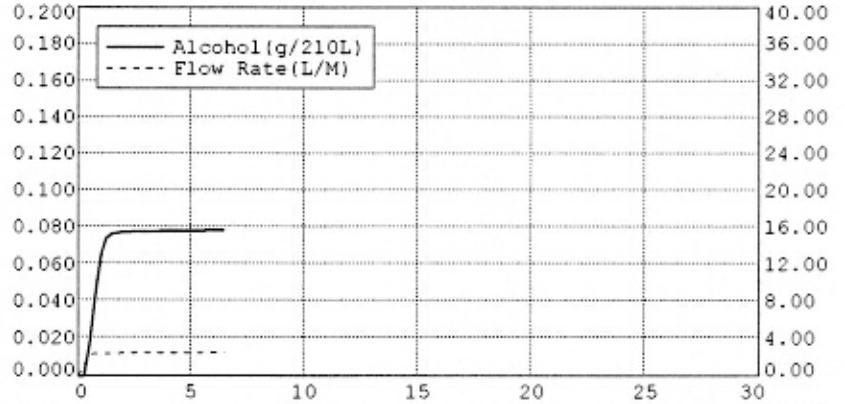
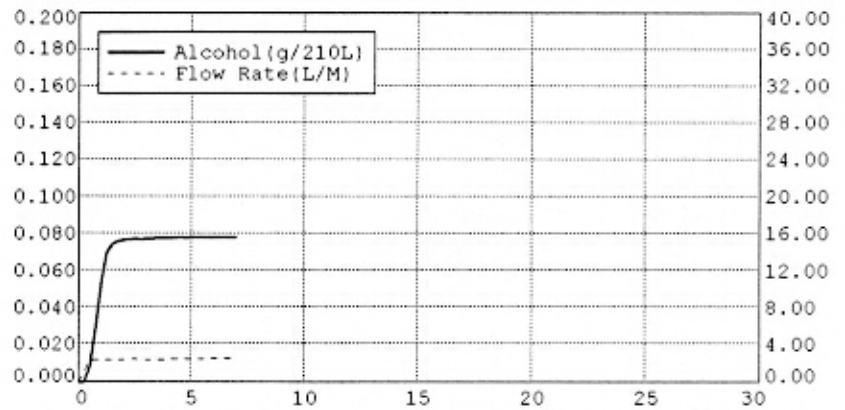
Date: 11/23/2012
Time: 08:02:42

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.38: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

BLANK TEST	0.000	08:03
INTERNAL STANDARD	VERIFIED	08:04
EXTERNAL STANDARD	0.078	08:04
BLANK TEST	0.000	08:05
EXTERNAL STANDARD	0.079	08:05
BLANK TEST	0.000	08:06
EXTERNAL STANDARD	0.079	08:06
BLANK TEST	0.000	08:07
EXTERNAL STANDARD	0.079	08:07
BLANK TEST	0.000	08:08
EXTERNAL STANDARD	0.079	08:08
BLANK TEST	0.000	08:09

Average = 0.0791
Std Dev = 0.0002



LINEARITY CHECK: Control Test 4

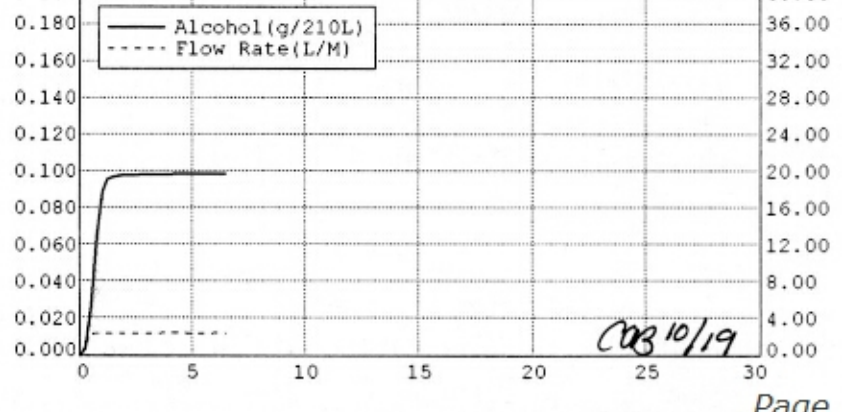
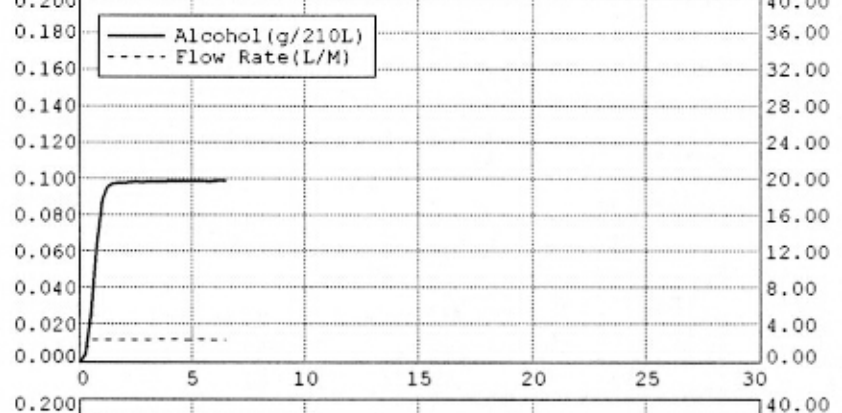
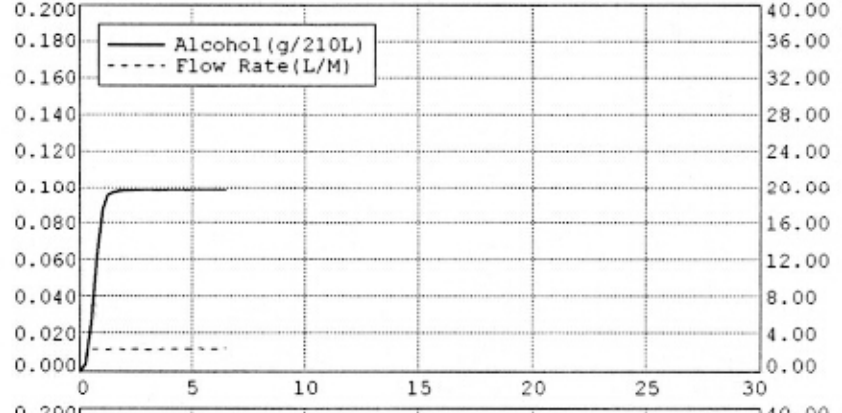
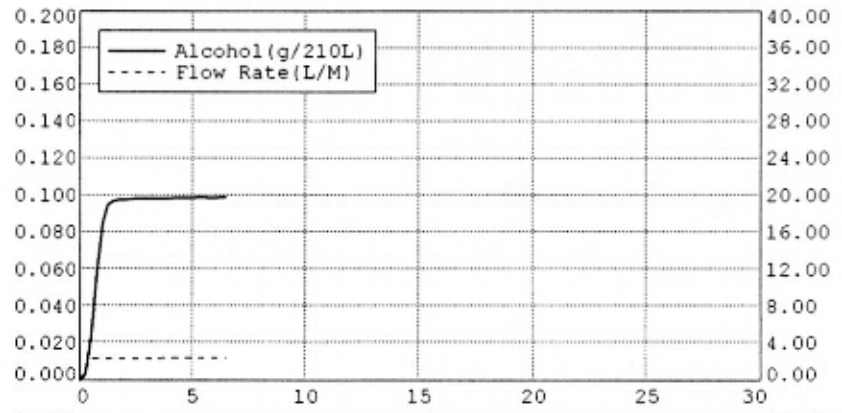
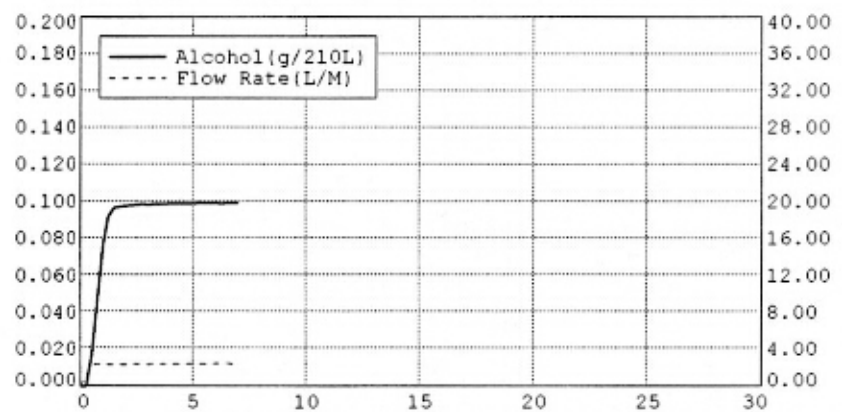
Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 08:10:33

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100
TARGET AT 29.38: 0.098
LOT #: 07611100A3
EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:11
INTERNAL STANDARD	VERIFIED	08:11
EXTERNAL STANDARD	0.100	08:11
BLANK TEST	0.000	08:12
EXTERNAL STANDARD	0.099	08:13
BLANK TEST	0.000	08:13
EXTERNAL STANDARD	0.099	08:14
BLANK TEST	0.000	08:15
EXTERNAL STANDARD	0.099	08:15
BLANK TEST	0.000	08:16
EXTERNAL STANDARD	0.099	08:16
BLANK TEST	0.000	08:17

Average = 0.0995
Std Dev = 0.0003



LINEARITY CHECK: Control Test 5

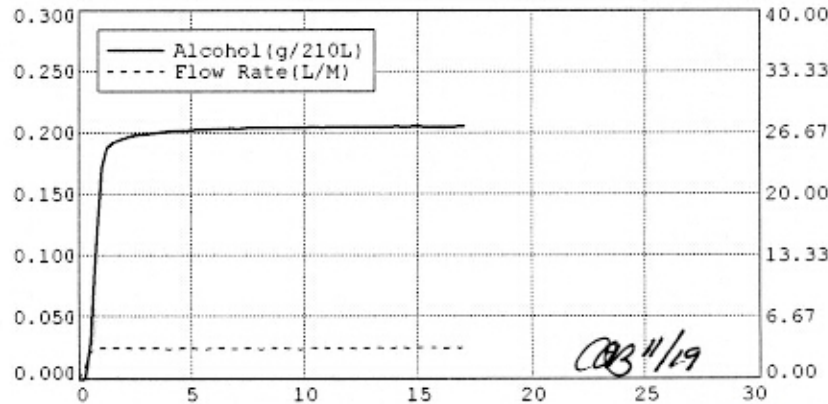
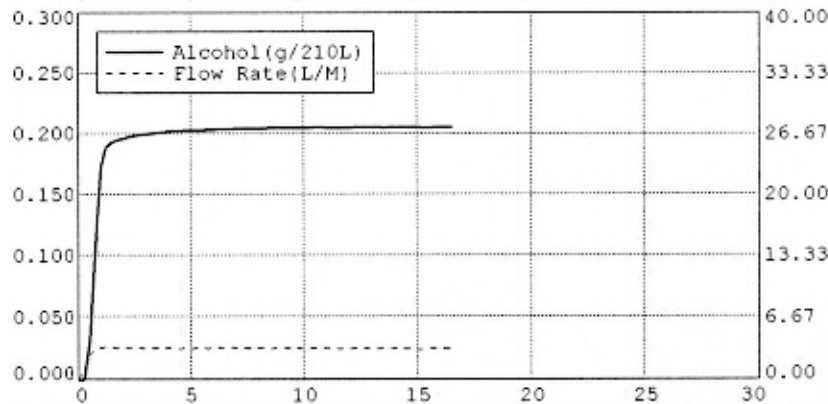
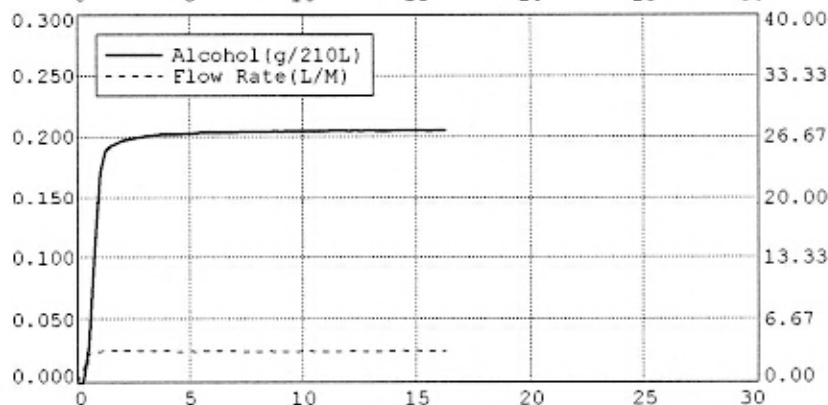
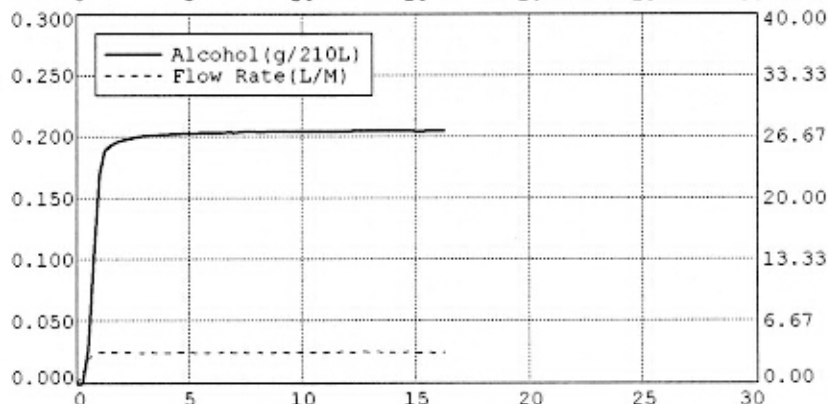
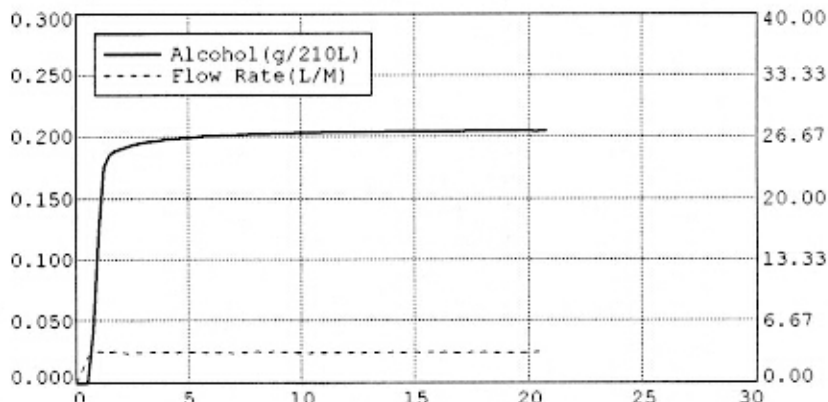
Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 08:19:28

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.200
LOT #: 11120
EXPIRATION: 07/19/2013

BLANK TEST	0.000	08:21
INTERNAL STANDARD	VERIFIED	08:21
EXTERNAL STANDARD	0.205	08:21
BLANK TEST	0.000	08:22
EXTERNAL STANDARD	0.205	08:23
BLANK TEST	0.000	08:24
EXTERNAL STANDARD	0.206	08:24
BLANK TEST	0.000	08:25
EXTERNAL STANDARD	0.206	08:25
BLANK TEST	0.000	08:26
EXTERNAL STANDARD	0.206	08:27
BLANK TEST	0.000	08:27

Average = 0.2060
Std Dev = 0.0003



LINEARITY CHECK: Control Test 6

 Alaska Department of Public Safety
 DATAMASTER dmt: 100692

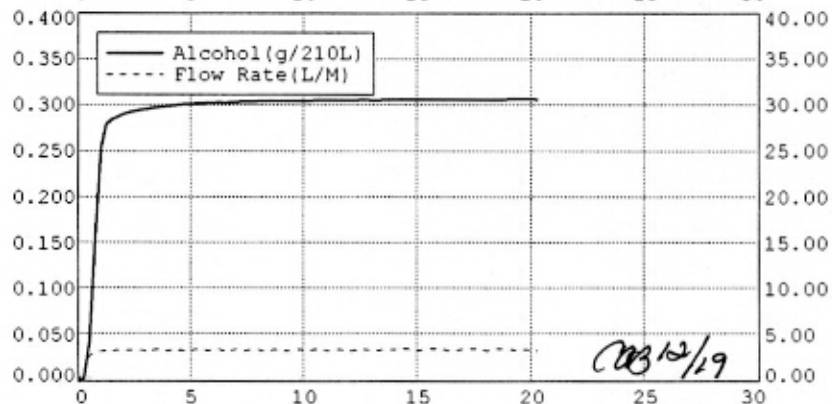
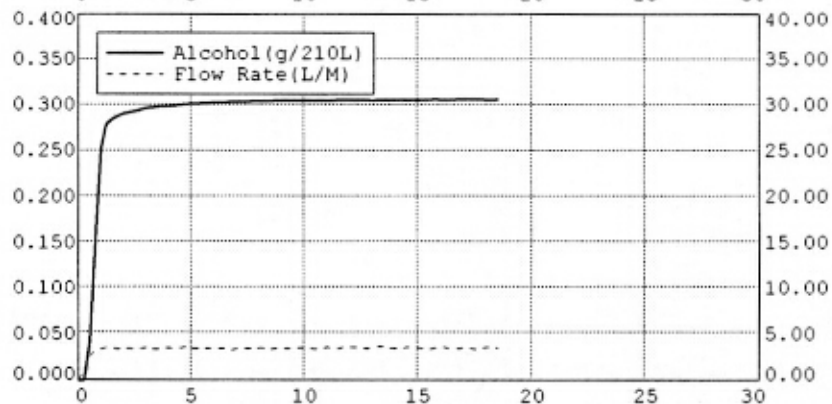
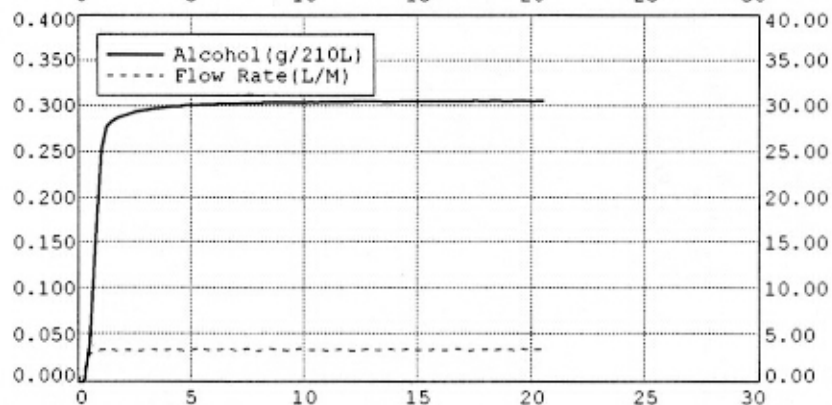
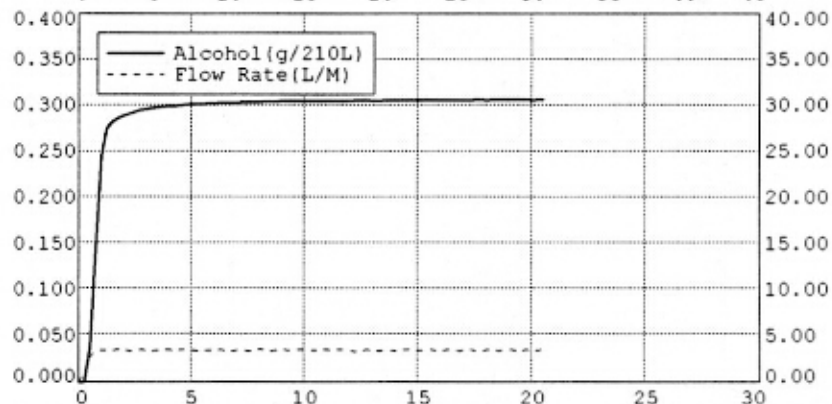
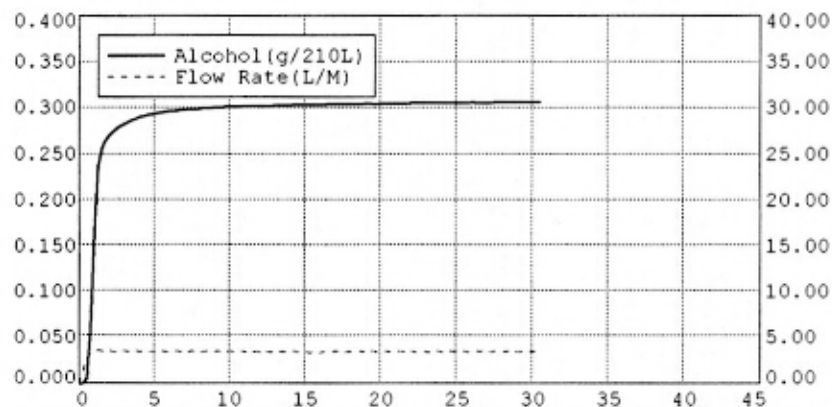
Date: 11/23/2012
 Time: 08:29:57

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 LOT #: 12050
 EXPIRATION: 03/21/2014

BLANK TEST	0.000	08:31
INTERNAL STANDARD	VERIFIED 0.307	08:31
EXTERNAL STANDARD	0.307	08:31
BLANK TEST	0.000	08:32
EXTERNAL STANDARD	0.307	08:33
BLANK TEST	0.000	08:34
EXTERNAL STANDARD	0.306	08:34
BLANK TEST	0.000	08:35
EXTERNAL STANDARD	0.306	08:35
BLANK TEST	0.000	08:36
EXTERNAL STANDARD	0.307	08:37
BLANK TEST	0.000	08:38

Average = 0.3071
 Std Dev = 0.0003



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 09:24:09

SUBJECT NAME:
TEST TEST
LICENSE #: INCOMPLETE

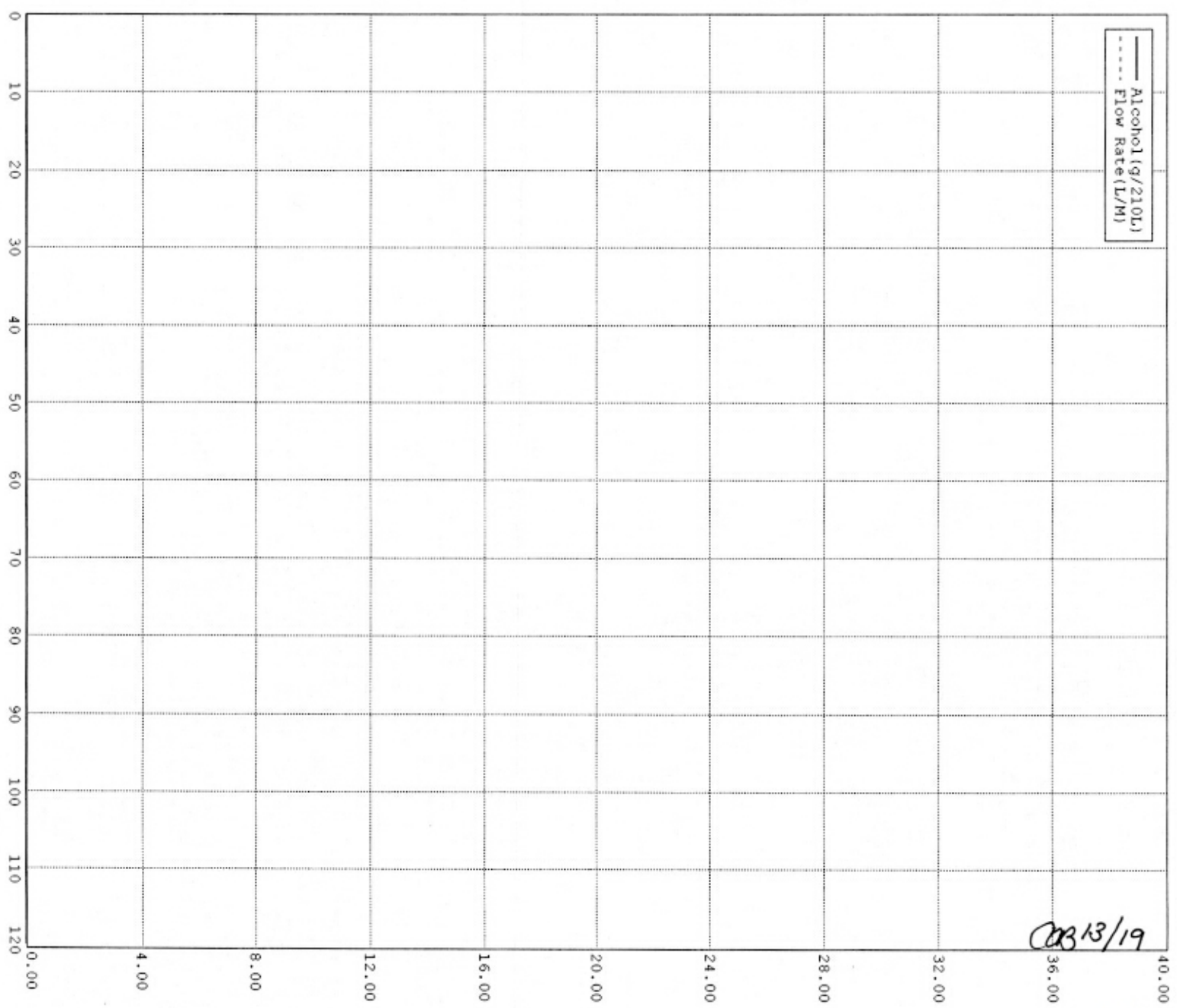
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAAI
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.40: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	09:41
BLANK TEST	0.000	09:41
INTERNAL STANDARD	VERIFIED	09:41
EXTERNAL STANDARD	0.079	09:42
BLANK TEST	0.000	09:43
SUBJECT SAMPLE	INCOMPLETE	09:45

6



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 09:47:47

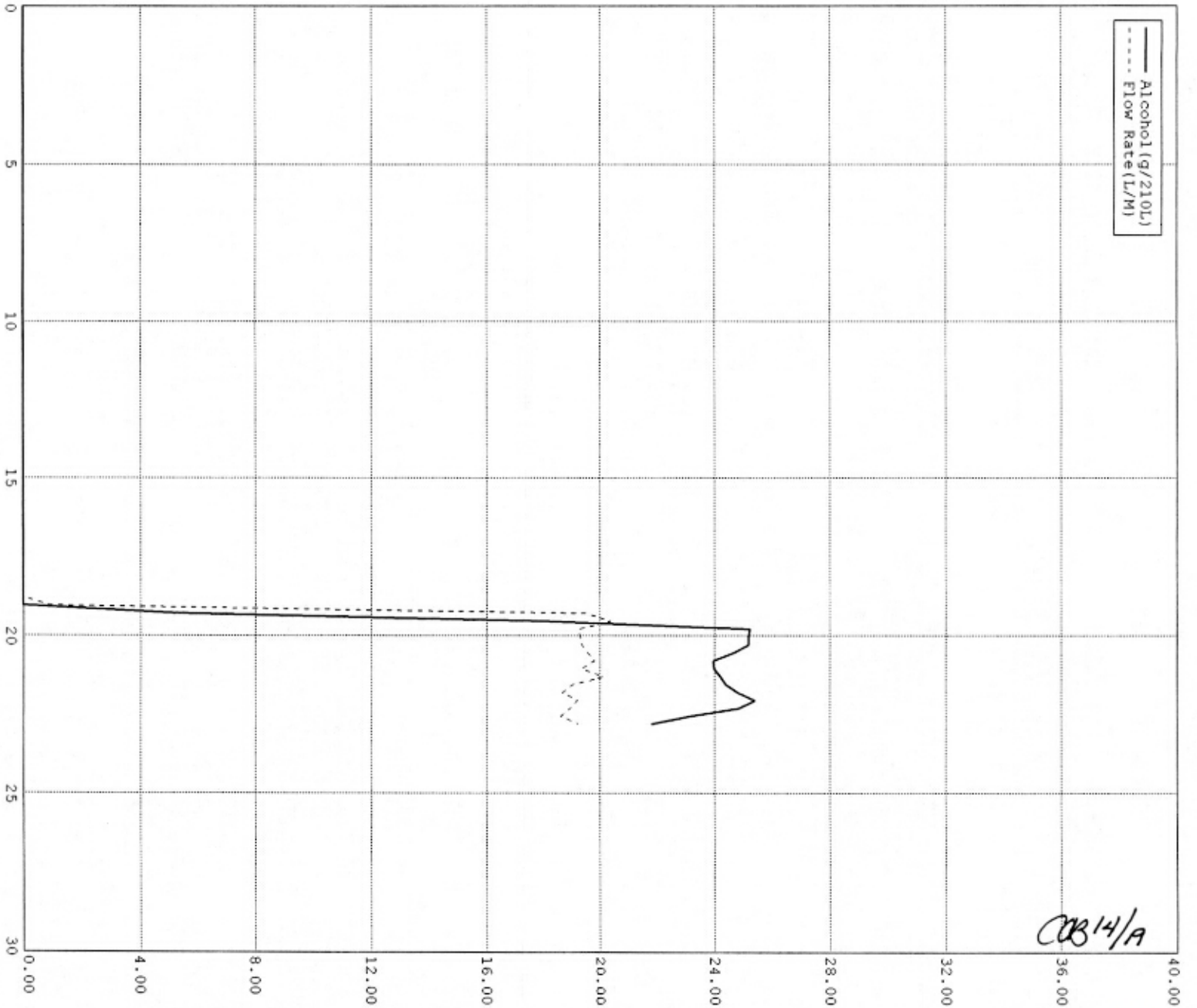
SUBJECT NAME:
TEST TEST
LICENSE #: INVALID

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

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.40: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	09:48
BLANK TEST	0.000	09:49
INTERNAL STANDARD	VERIFIED	09:49
EXTERNAL STANDARD	0.078	09:49
BLANK TEST	0.000	09:50
SUBJECT SAMPLE	INVALID	09:51



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 08:51:47

SUBJECT NAME:
TEST TEST
LICENSE #: INT-ACETONE

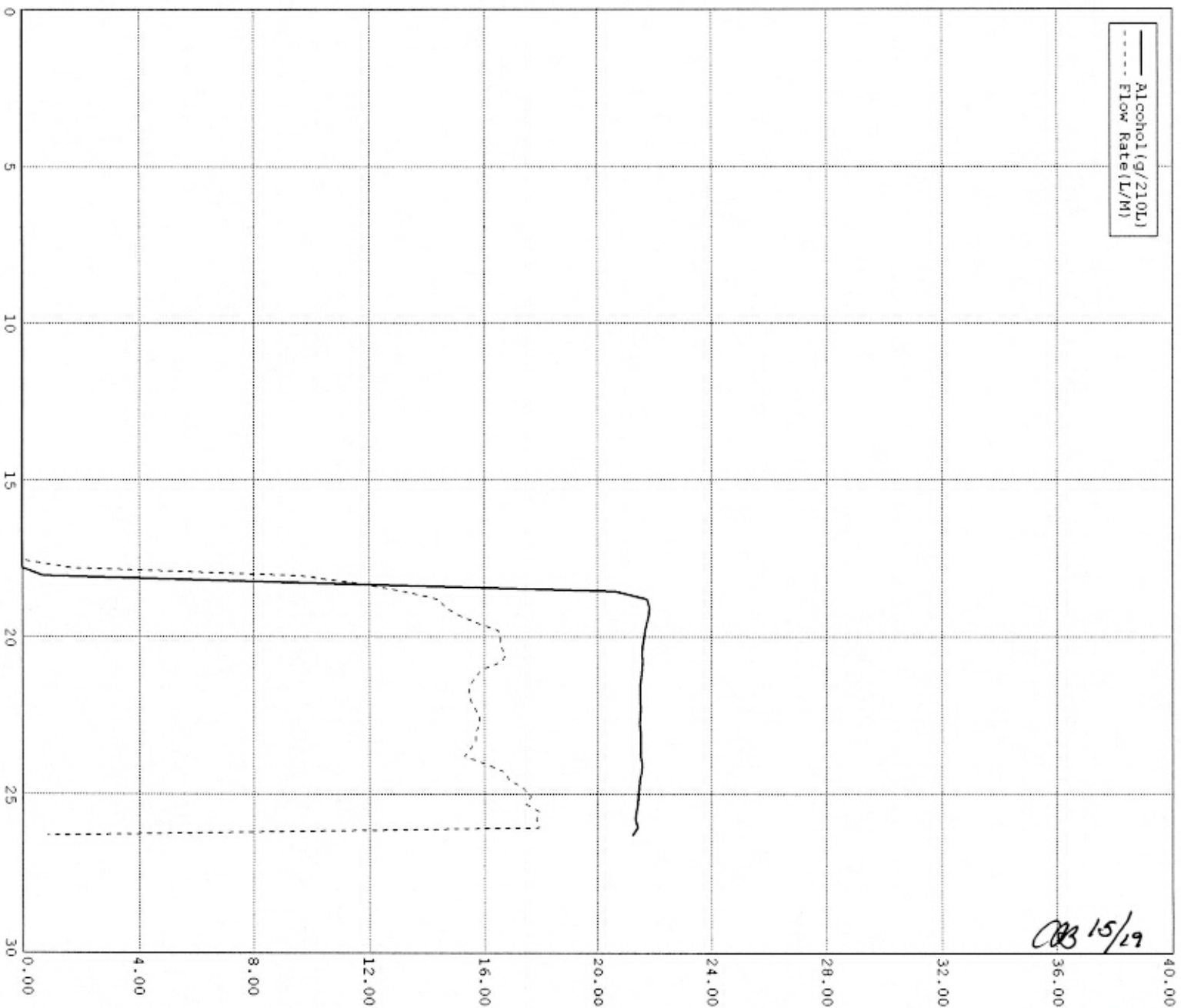
OPERATOR NAME:
COLLEEN S OBRVANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAAI
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.39: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	08:59
BLANK TEST	0.000	08:59
INTERNAL STANDARD	VERIFIED	08:59
Xg = 0.091 (0.48%)		
EXTERNAL STANDARD	0.078	08:59
X[1] = 0.0789 (0.0012)	(0.0032)	
BLANK TEST	0.000	09:00
SUBJECT SAMPLE	INTERFERENCE	09:01
X[1] = 0.1068 (-0.0173)	(0.0030)	

CS



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 09:04:05

SUBJECT NAME:
TEST TEST
LICENSE #: INT-1PA

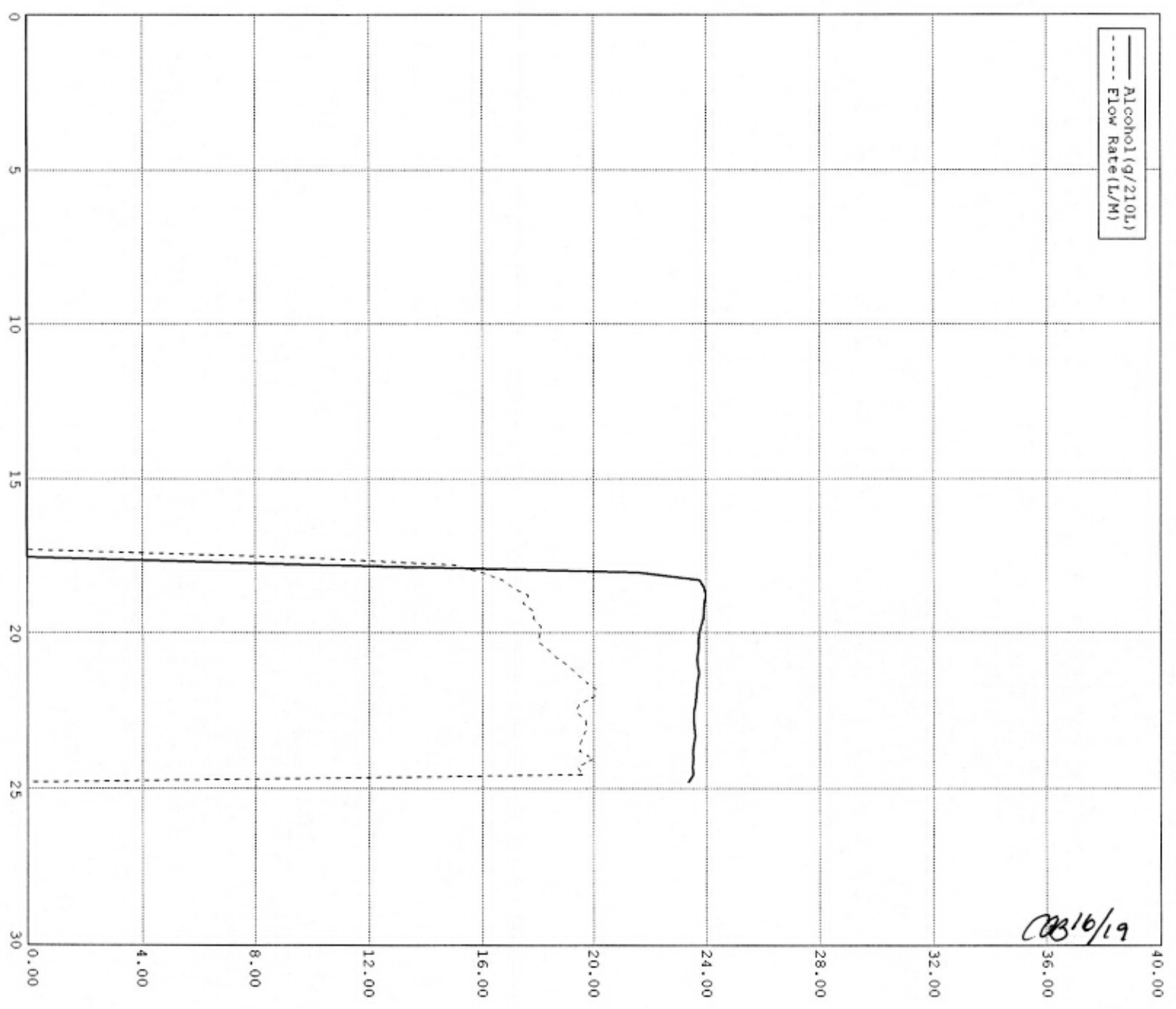
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.39: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	09:05
BLANK TEST	0.000	09:05
INTERNAL STANDARD	VERIFIED	09:05
Xq = 0.090 (0.39%)		
EXTERNAL STANDARD	0.079	09:05
X[1] = 0.0791 (0.0017)	(0.0039)	
BLANK TEST	0.000	09:06
SUBJECT SAMPLE	INTERFERENCE	09:07
X[1] = 0.1174 (-0.0238)	(0.0030)	

C



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 09:09:52

SUBJECT NAME:
TEST TEST
LICENSE #: INT-NEGATIVE

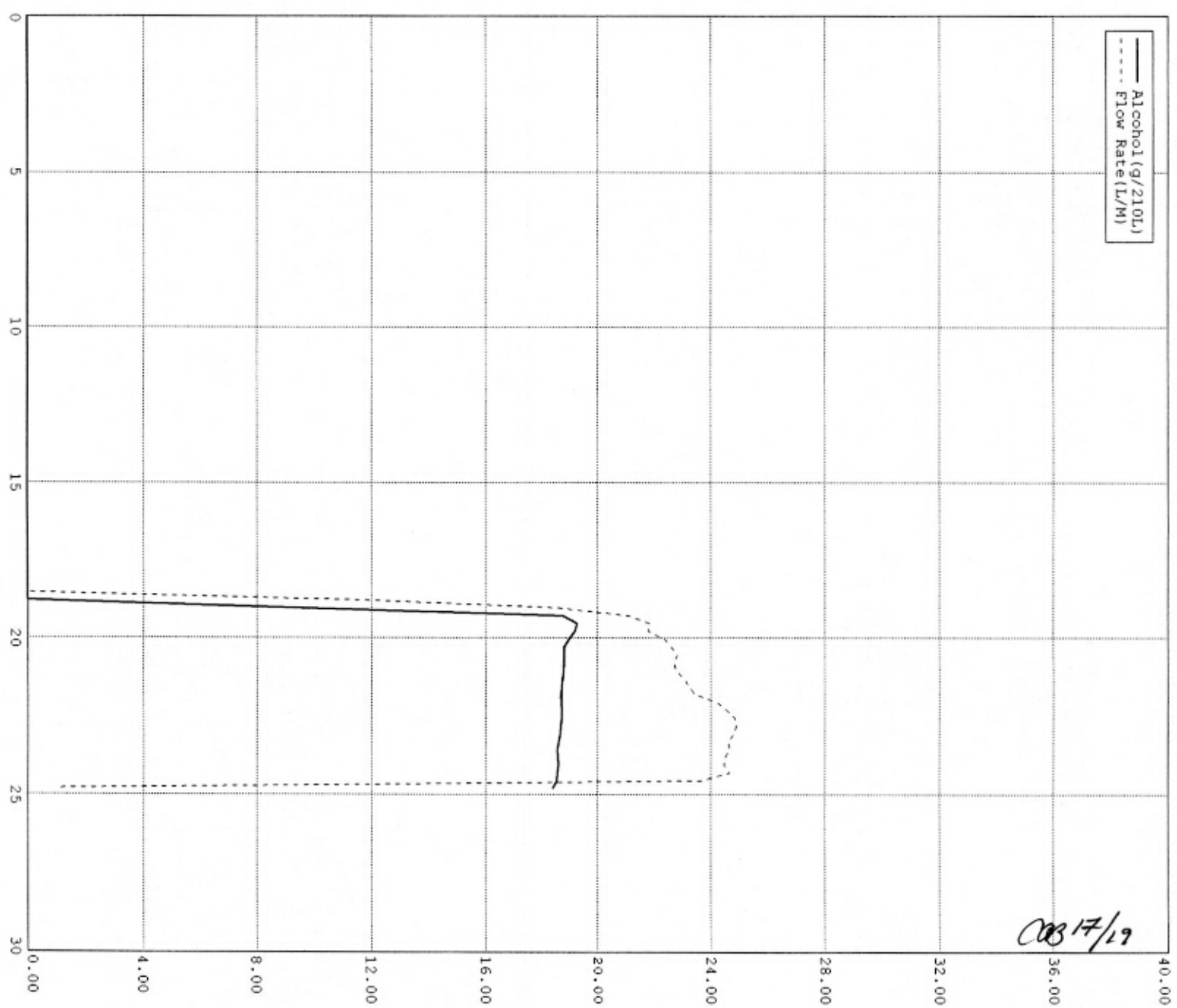
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.39: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	09:10
BLANK TEST	0.000	09:11
INTERNAL STANDARD	VERIFIED	09:11
XQ = 0.091 (0.488)		
EXTERNAL STANDARD	0.079	09:11
X[1] = 0.0794 (0.0021) (0.0041)		
BLANK TEST	0.000	09:12
SUBJECT SAMPLE (Vol=2.29L)	0.092	09:12
X[1] = 0.0923 (0.0004) (0.0022)		
BLANK TEST	0.000	09:13
EXTERNAL STANDARD	0.078	09:13
X[1] = 0.0786 (0.0009) (0.0033)		
BLANK TEST	0.000	09:14

D



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dnt: 100692

Date: 11/23/2012
Time: 09:53:23

SUBJECT NAME:
TEST TEST
LICENSE #: RFI

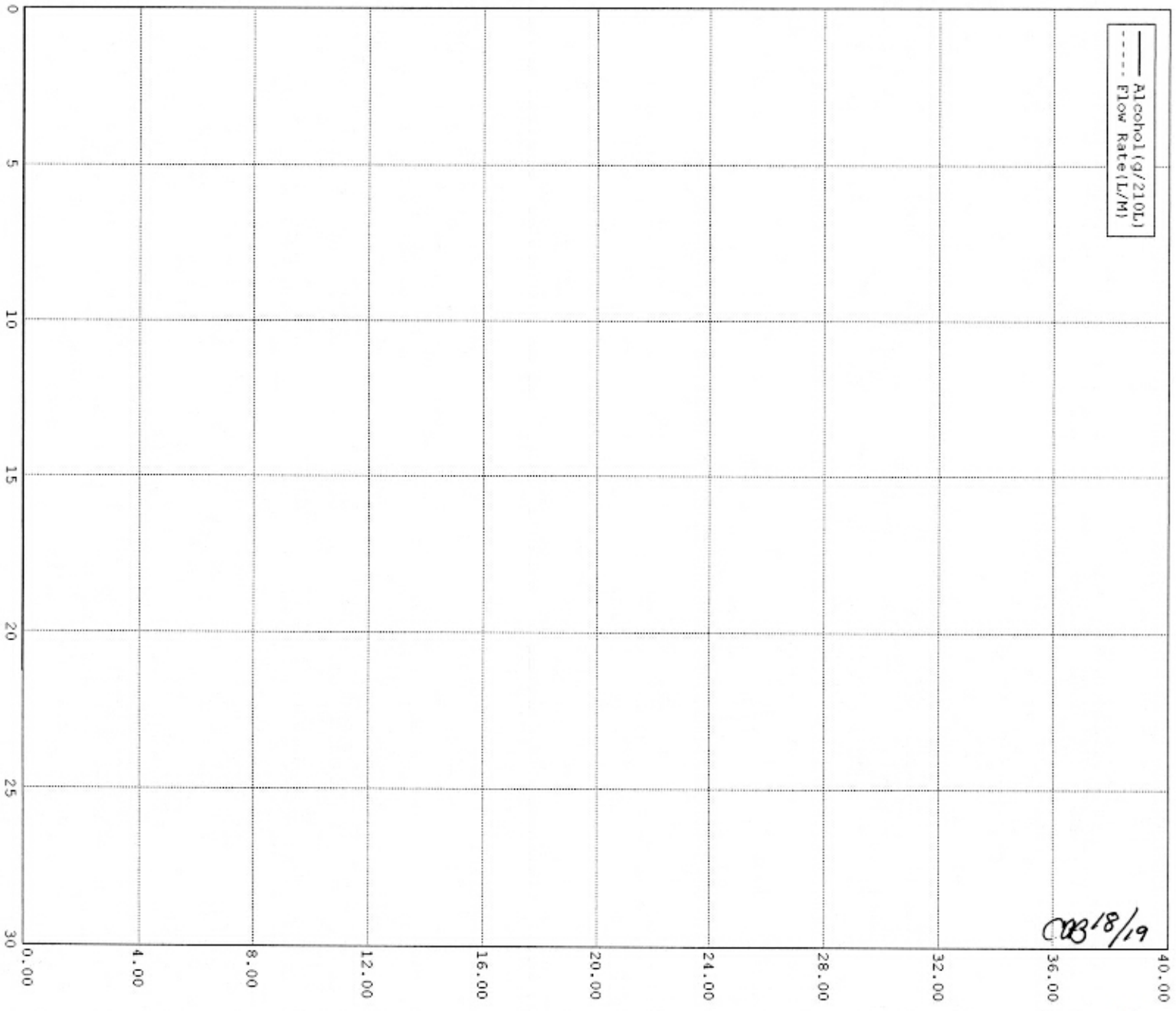
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.40: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	09:54
BLANK TEST	0.000	09:54
INTERNAL STANDARD	VERIFIED	09:54
EXTERNAL STANDARD	0.078	09:55
BLANK TEST	0.000	09:55

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

Date: 11/23/2012
Time: 10:08:16

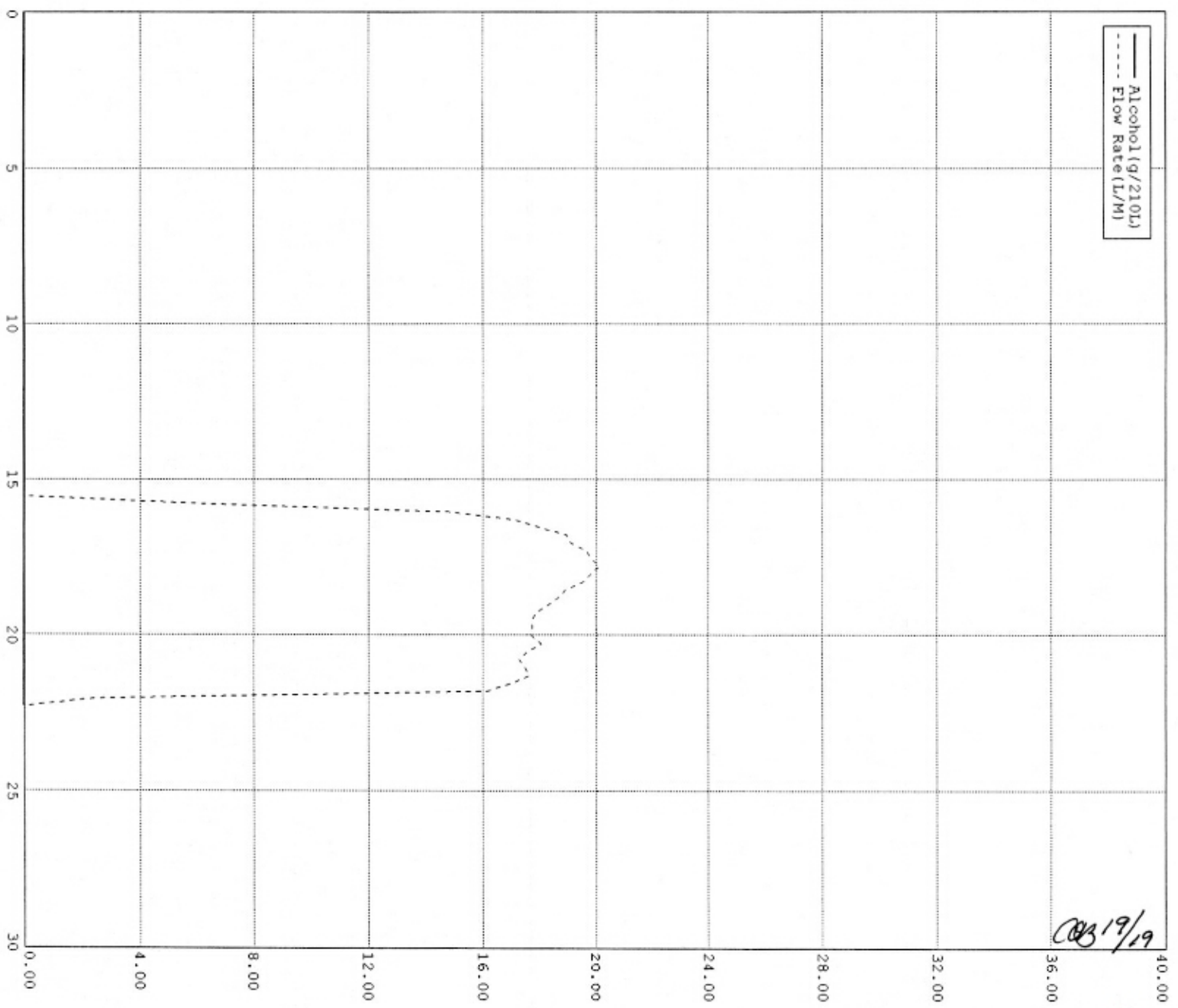
SUBJECT NAME:
TEST TEST
LICENSE #: NONDRINKING

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

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.42: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	10:09
BLANK TEST	0.000	10:09
INTERNAL STANDARD	VERIFIED	10:09
EXTERNAL STANDARD	0.079	10:09
BLANK TEST	0.000	10:10
SUBJECT SAMPLE	0.000	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.079	10:12
BLANK TEST	0.000	10:13



VERIFICATION OF CALIBRATION REPORT*of DataMaster dmt Breath Test Instrument**State of Alaska*

Serial #: 100692

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/12/2012

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.13: 0.077

LOT #: 02012080A1

EXPIRATION: 03/01/2014

BLANK TEST	0.000	09:07
INTERNAL STANDARD	VERIFIED	09:07
Xq = 0.090 (0.19%)		
EXTERNAL STANDARD	0.078	09:07
X[1] = 0.0785 (0.0009) (0.0025)		
BLANK TEST	0.000	09:08
EXTERNAL STANDARD	0.078	09:08
X[1] = 0.0785 (0.0005) (0.0025)		
BLANK TEST	0.000	09:09
EXTERNAL STANDARD	0.078	09:10
X[1] = 0.0785 (0.0009) (0.0022)		
BLANK TEST	0.000	09:10
EXTERNAL STANDARD	0.078	09:11
X[1] = 0.0787 (0.0012) (0.0024)		
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.078	09:12
X[1] = 0.0785 (0.0010) (0.0021)		
BLANK TEST	0.000	09:13

Average = 0.0780

Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 2.00

PIC: 3.03

Modem: 2.3

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.67 V PASSED
(1.00 V - 2.34 V)Cooler Voltage = 1.58 V PASSED
(1.00 V - 2.34 V)Bias Voltage = 80 V PASSED
(47 V - 111 V)Chopper Freq = 543 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.393 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

PASSED
(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____

Ran a VOC + supervisor test post-certification due to elevated Filter 3 levels seen during external std tests of interference detected functional tests. Filter 3 readings were all well within normal range during VOC + supervisor test.

COB 12/12/12

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100692

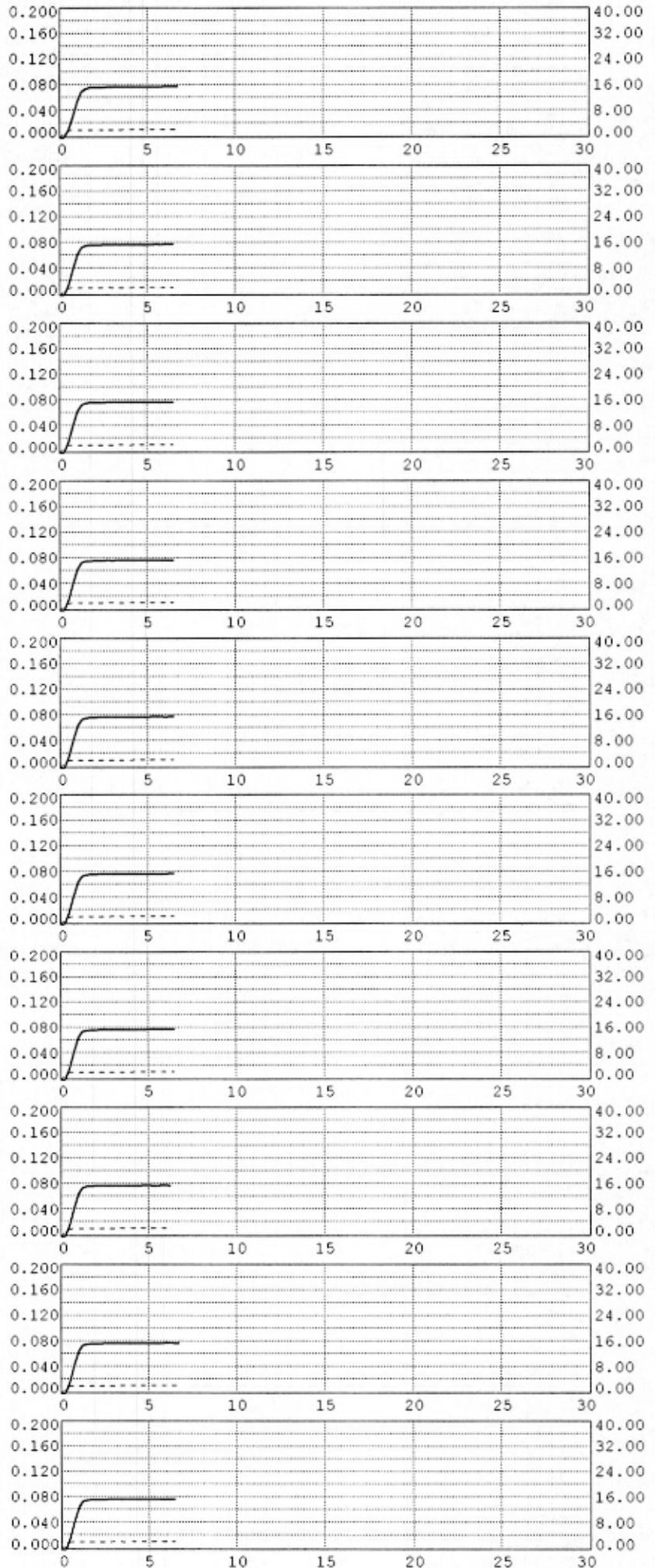
Date: 12/12/2012
Time: 09:14:28

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.14: 0.077
LOT #: 02012080A1
EXPIRATION: 03/01/2014

BLANK TEST	0.000	09:15
INTERNAL STANDARD	VERIFIED	09:15
Xq = 0.090 (0.48%)		
EXTERNAL STANDARD	0.078	09:16
X[1] = 0.0789 (0.0010) (0.0022)		
BLANK TEST	0.000	09:17
EXTERNAL STANDARD	0.078	09:17
X[1] = 0.0787 (0.0012) (0.0029)		
BLANK TEST	0.000	09:18
EXTERNAL STANDARD	0.078	09:18
X[1] = 0.0785 (0.0008) (0.0028)		
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.078	09:19
X[1] = 0.0785 (0.0010) (0.0027)		
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.078	09:20
X[1] = 0.0788 (0.0010) (0.0027)		
BLANK TEST	0.000	09:21
EXTERNAL STANDARD	0.078	09:21
X[1] = 0.0786 (0.0006) (0.0023)		
BLANK TEST	0.000	09:22
EXTERNAL STANDARD	0.078	09:22
X[1] = 0.0789 (0.0010) (0.0024)		
BLANK TEST	0.000	09:23
EXTERNAL STANDARD	0.078	09:23
X[1] = 0.0789 (0.0011) (0.0027)		
BLANK TEST	0.000	09:24
EXTERNAL STANDARD	0.078	09:25
X[1] = 0.0788 (0.0010) (0.0027)		
BLANK TEST	0.000	09:26
EXTERNAL STANDARD	0.078	09:26
X[1] = 0.0784 (0.0009) (0.0028)		
BLANK TEST	0.000	09:27

Average = 0.0787
Std Dev = 0.0002



Final page for report

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2/12/2014