

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 01/27/2012
Effective: 01/27/2012

Version: DMCEF2012 R0
Status: Active

Instrument S/N 100667Analyst Colleen BryantStart Date 3/22/12

Confirmed software update (2.00) and instrument back vented.
Diagnostic Test (attached) + USB Fik COB 3/22/12

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 1400 mL (1.3L to 1.7L)

4. Linearity Test (attached)

a. Levels Used i. 0.020g/210L Mnf ILMO Lot 07611020A5 Exp 03/01/2013ii. 0.040g/210L Mnf ILMO Lot 07611040A4 Exp 03/01/2013iii. 0.080g/210L Mnf ILMO Lot 07511080A1 Exp 03/01/2013iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 03/01/2013v. 0.200g/210L Mnf Guth Lot 11120 Exp 07/19/20131. Simulator S/N SD1176 Date Calibrated 08/17/2011vi. 0.300g/210L Mnf Guth Lot 11110 Exp 07/13/20131. Simulator S/N SD1202 Date Calibrated 08/17/2011

5. Functional Tests (attached)

a. Incomplete b. Invalid c. Interference i. Acetone - Mnf Guth Lot 11200 Level 0.080 Exp 10/11/20131. Simulator S/N SD1199 Date Calibrated 01/11/2012ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/20121. Simulator S/N DR6267 Date Calibrated 01/10/2012d. RFI 6. Verify stylus is calibrated 10. Verification of Calibration 7. Verify card reader is functional 11. Non-Drinking Subject Test (attached) 8. Reset Options 12. Upload 9. Clear Memory 13. Update agency information and polling status in DM Host Calling Program End Date 3/23/12

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100667

Date: 03/22/2012
Time: 13:49:12

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
Breath Tube = 48.0°C PASSED

PUMP INFO

Flow Rate = 4.400 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

03/2/18

Technician Screen

DATAMASTER dmt: 100667

Date: 03/22/2012
Time: 1:56 PM

Temperatures (°C)

Sample Cell: 49.1°C
Breath Tube: 47.7°C

Current Barometer 29.9 in
Volume (Ltr) 1.54

Settings

Lamp: 1.87 V
Bias: 80 V
Cooler: 1.84 V
Chopper: 527 Hz

Voltages (V)

Flow: 1.07 V
Detector: 0.082 V

COB 3/18

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100667

Date: 03/12/2012
Time: 14:39:58

OPERATOR NAME:
BRANDI BARNETT
CERTIFICATE #: 7038

Ca = 0.1000
CAL = 0.971415 0.800 <= CAL < 1.200
b1 = 0.0009 0.0000 <= b1 < 0.0040
b2 = 0.0095 0.0010 <= b2 < 0.0100
b3 = 0.0012 0.0000 <= b3 < 0.0040
Xq = 0.1081 0.0500 <= Xq < 0.2000
a21 = 1.213642 1.050 <= a21 < 1.300
a31 = 0.473990 0.300 <= a31 < 0.800

CAB 4/18

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/22/2012
 Time: 13:58:01

SUBJECT NAME:
 TEST TEST
 LICENSE #: 1234567

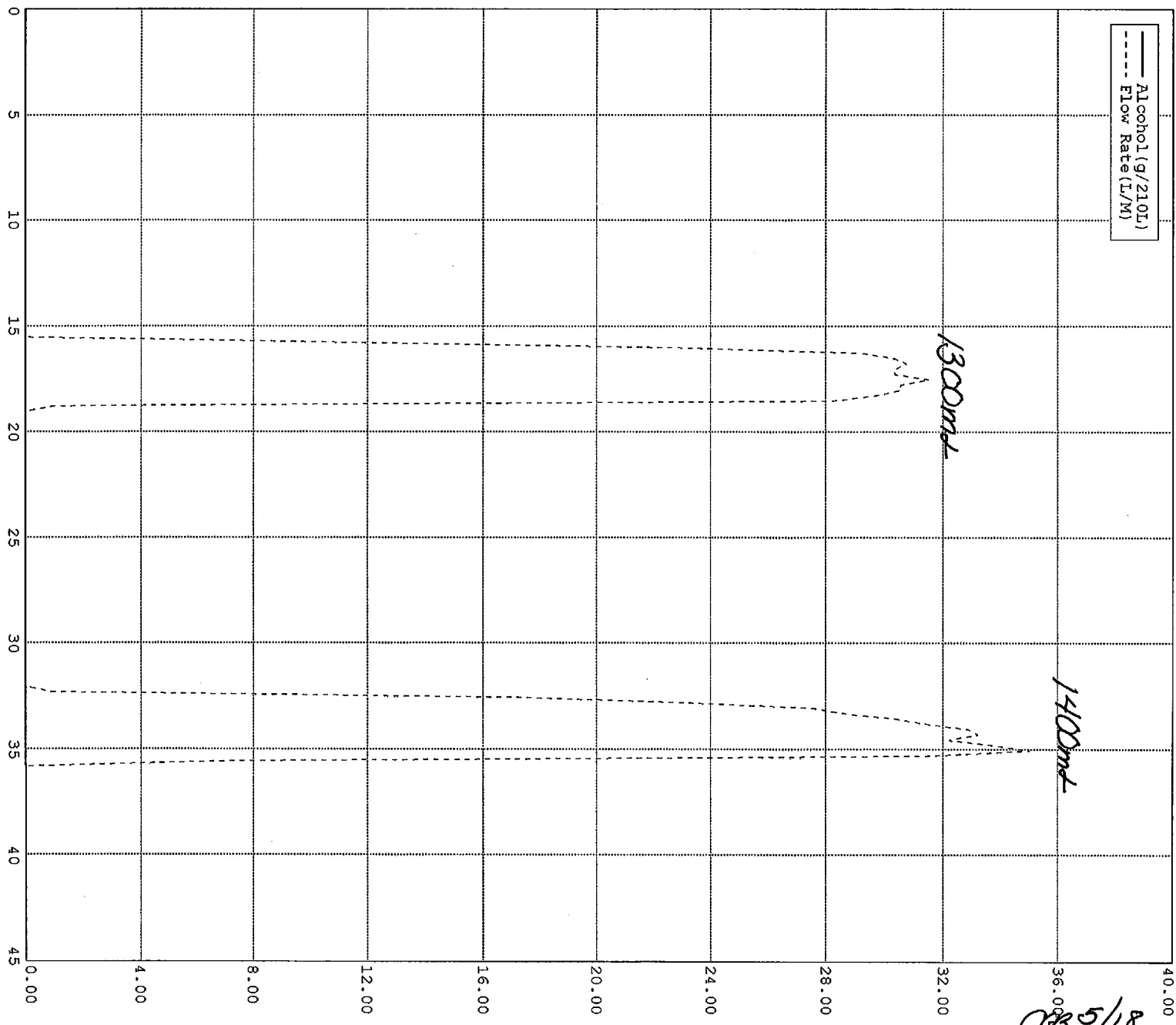
OPERATOR NAME:
 VOLUME TEST VOLUME TEST
 OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.91: 0.079
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	13:59
BLANK TEST	0.000	13:59
INTERNAL STANDARD	VERIFIED	14:00
EXTERNAL STANDARD	0.078	14:00
BLANK TEST	0.000	14:01
SUBJECT SAMPLE	0.000	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.079	14:03
BLANK TEST	0.000	14:04

CRB 3/22/12



LINEARITY CHECK

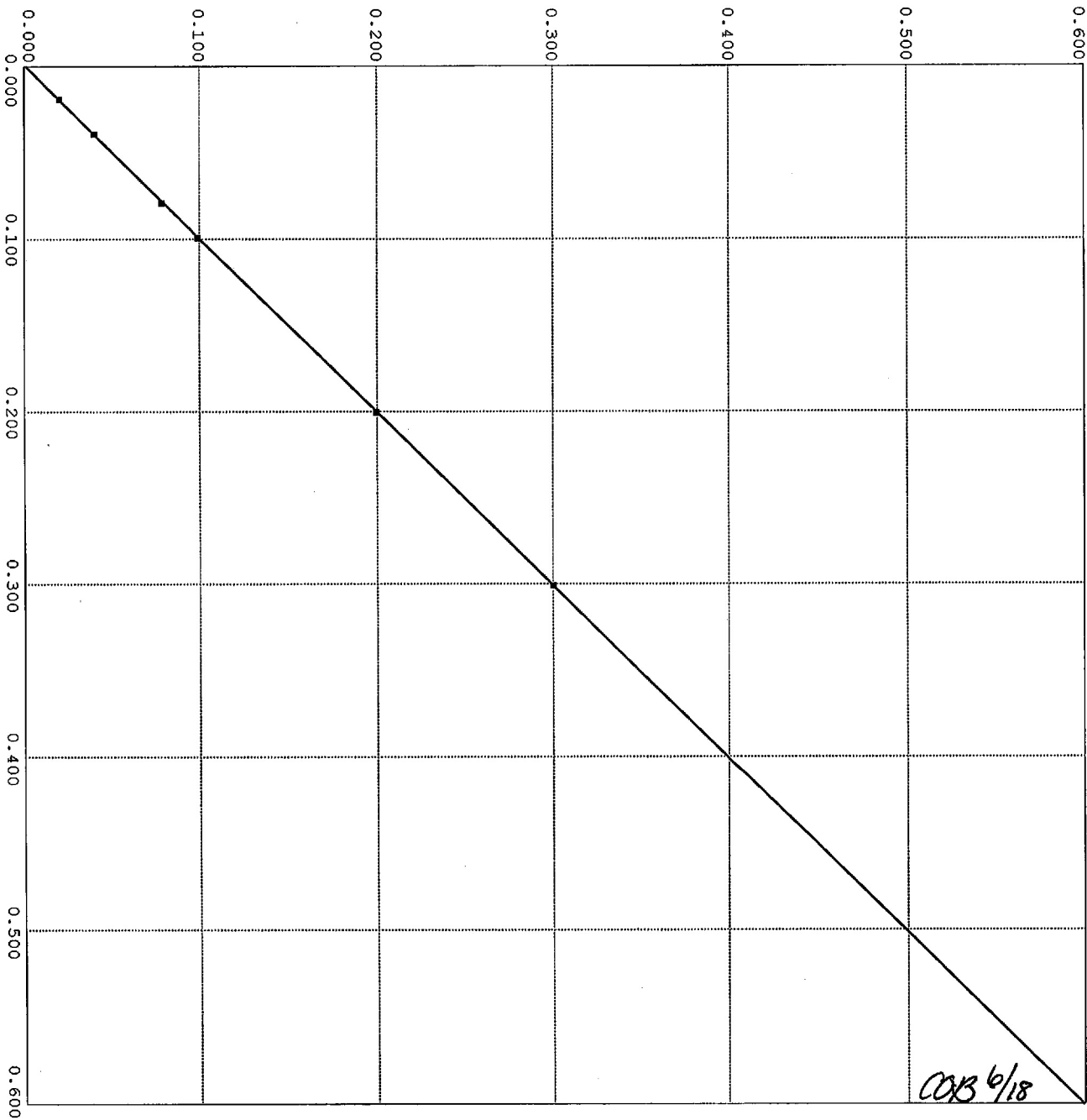
Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/22/2012
 Time: 14:06:17

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0209	0.0002
0.039	0.0407	0.0008
0.079	0.0790	0.0002
0.099	0.0999	0.0015
0.200	0.2004	0.0004
0.300	0.3007	0.0002

SLOPE = 0.996530
 R² = 0.999965



LINEARITY CHECK: Control Test 1

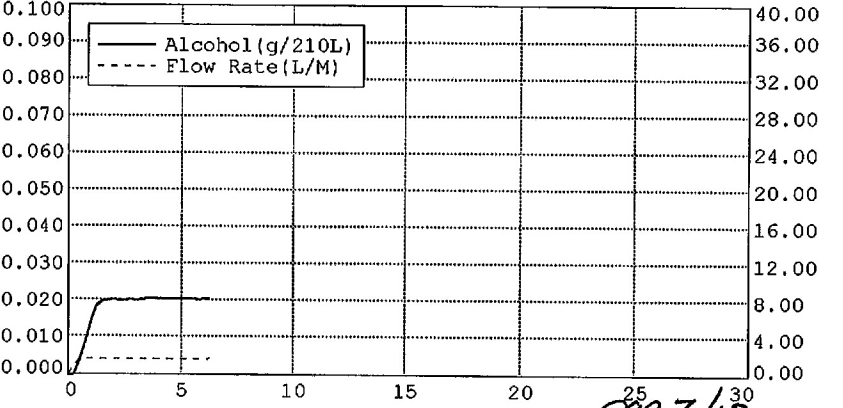
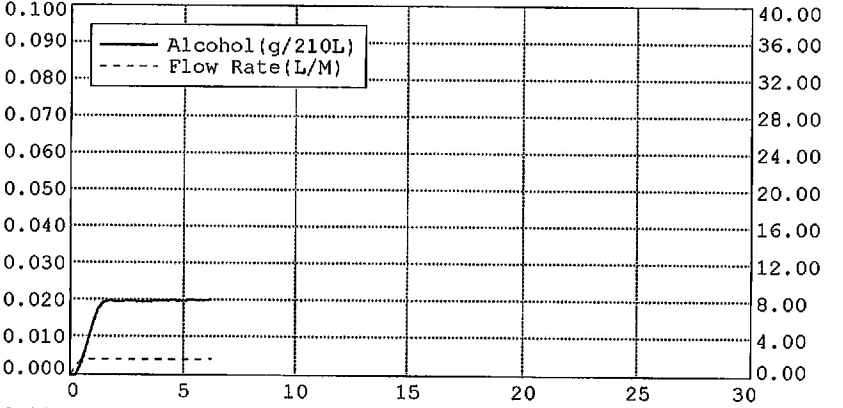
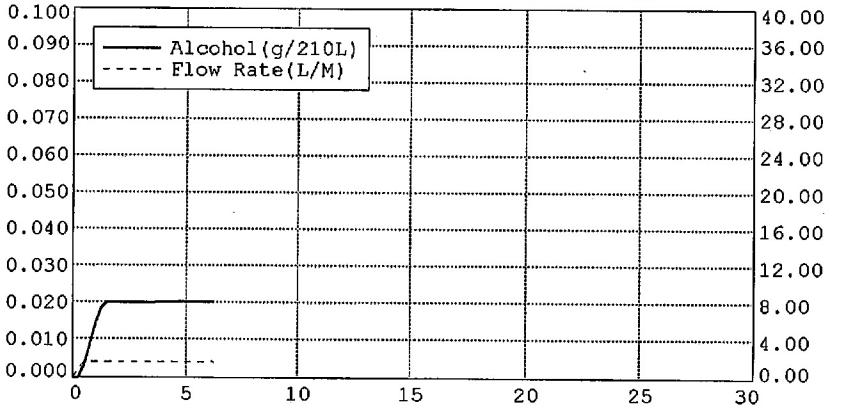
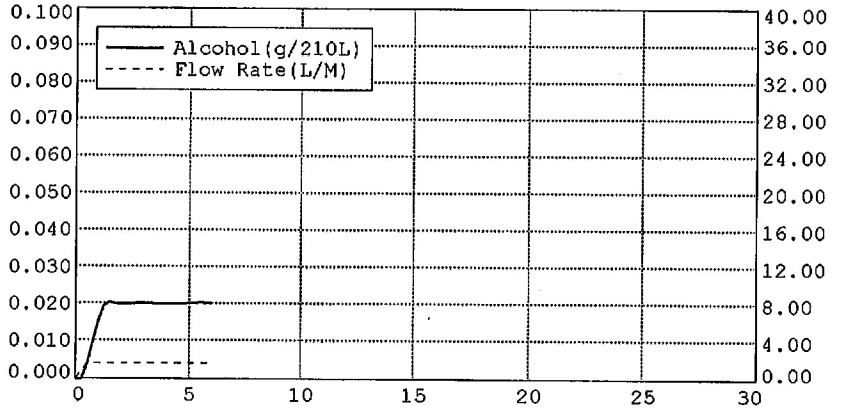
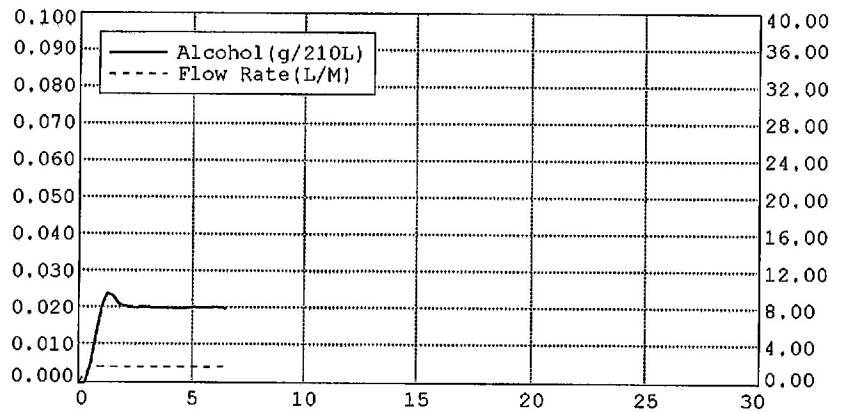
Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/22/2012
 Time: 14:06:18

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.91: 0.019
 LOT #: 07611020A5
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:07
INTERNAL STANDARD	VERIFIED	14:07
EXTERNAL STANDARD	0.020	14:08
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.021	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.021	14:10
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.020	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.021	14:12
BLANK TEST	0.000	14:13

Average = 0.0209
 Std Dev = 0.0002



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LINEARITY CHECK: Control Test 2

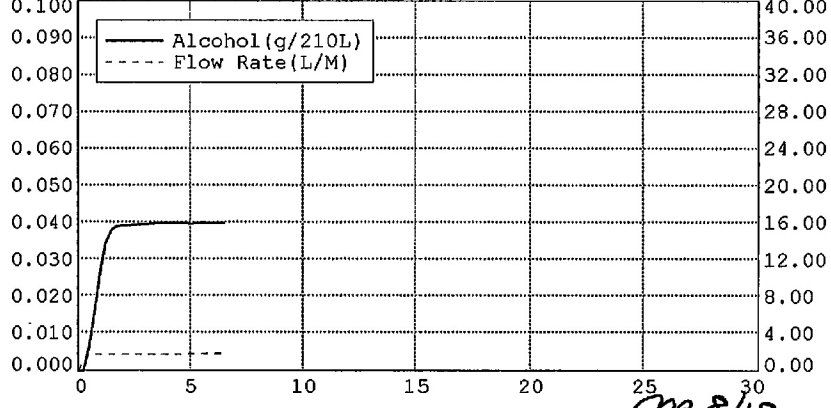
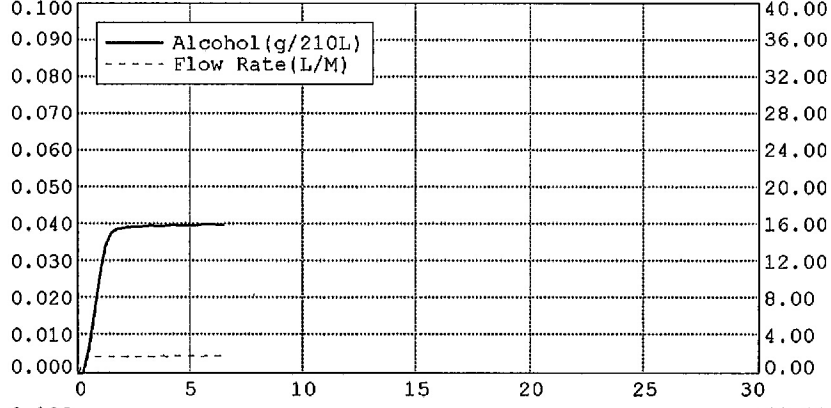
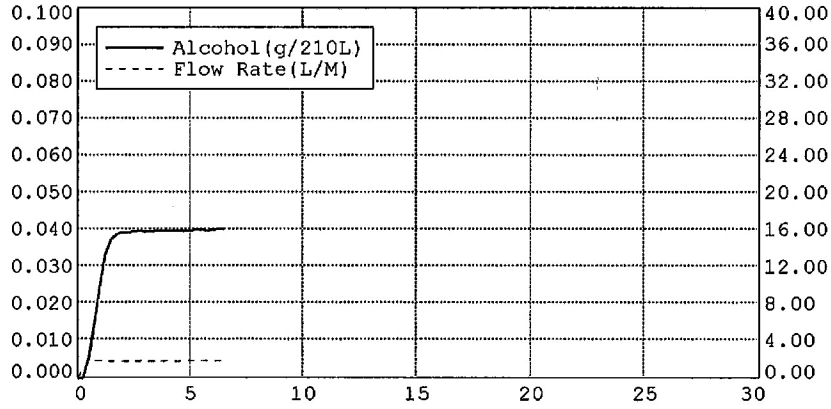
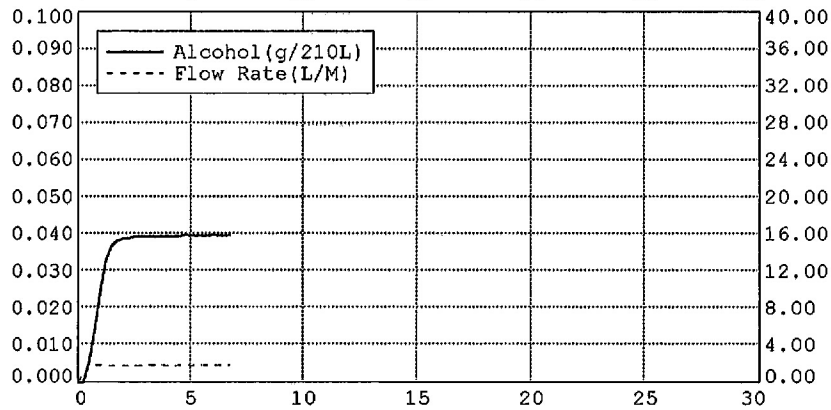
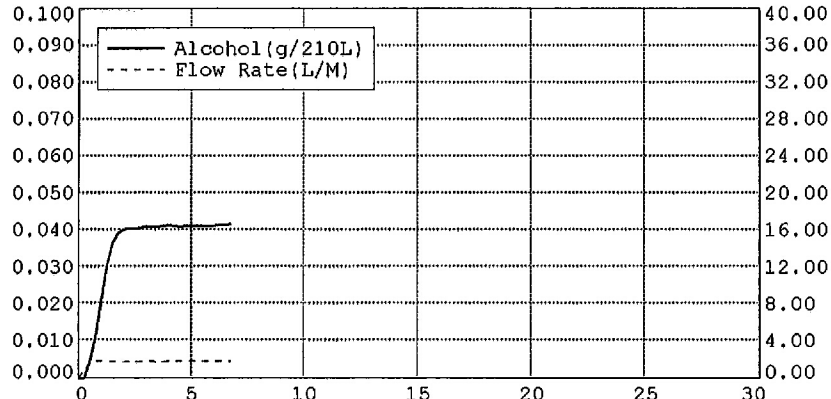
Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/22/2012
 Time: 14:18:22

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.91: 0.039
 LOT #: 07611040A4
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:19
INTERNAL STANDARD	VERIFIED	14:19
EXTERNAL STANDARD	0.042	14:19
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.040	14:20
BLANK TEST	0.000	14:22
EXTERNAL STANDARD	0.040	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.040	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.040	14:24
BLANK TEST	0.000	14:25

Average = 0.0407
 Std Dev = 0.0008



LINEARITY CHECK: Control Test 3

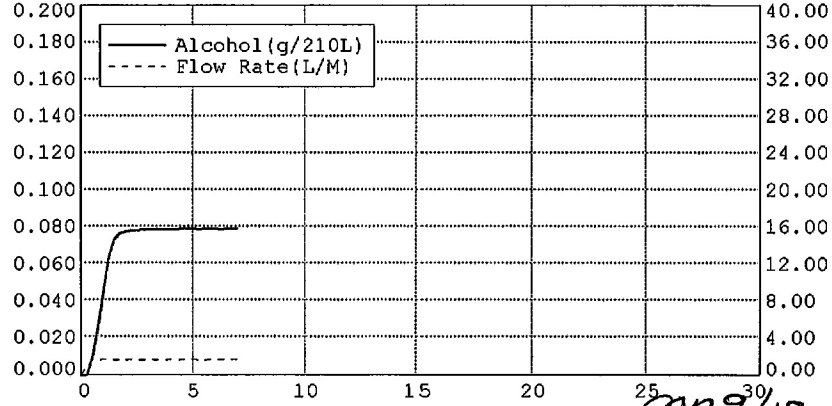
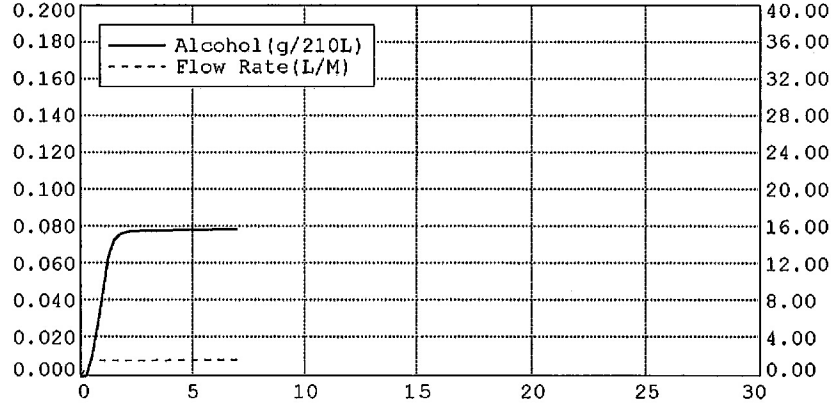
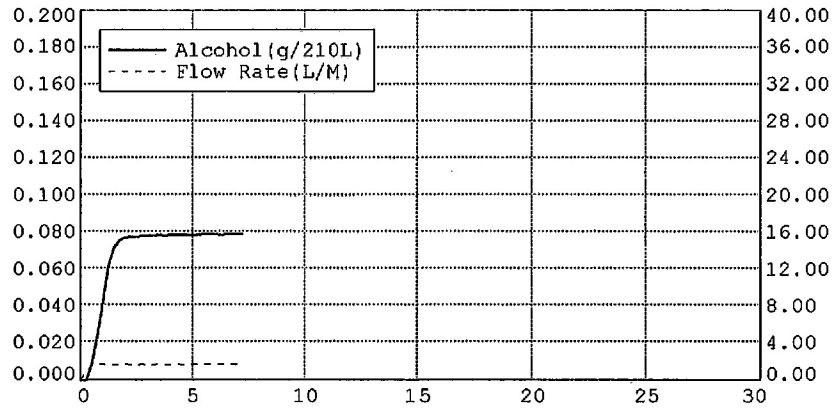
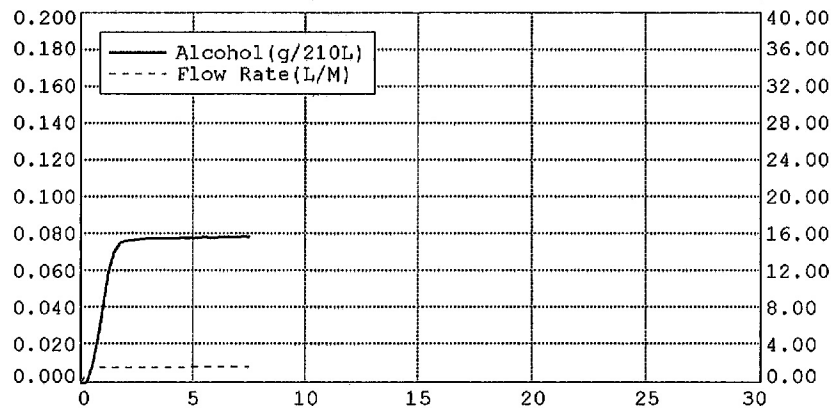
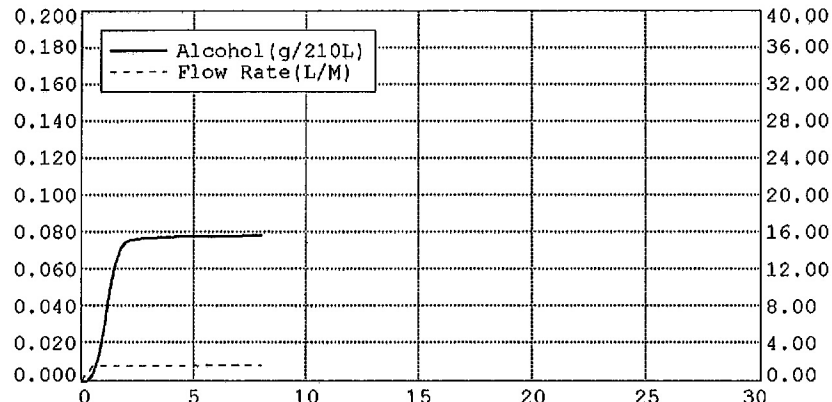
 Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/22/2012
 Time: 14:29:35

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.91: 0.079
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:30
INTERNAL STANDARD	VERIFIED	14:30
EXTERNAL STANDARD	0.078	14:31
BLANK TEST	0.000	14:31
EXTERNAL STANDARD	0.078	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.079	14:33
BLANK TEST	0.000	14:34
EXTERNAL STANDARD	0.079	14:34
BLANK TEST	0.000	14:36
EXTERNAL STANDARD	0.079	14:36
BLANK TEST	0.000	14:37

Average = 0.0790
 Std Dev = 0.0002



LINEARITY CHECK: Control Test 4

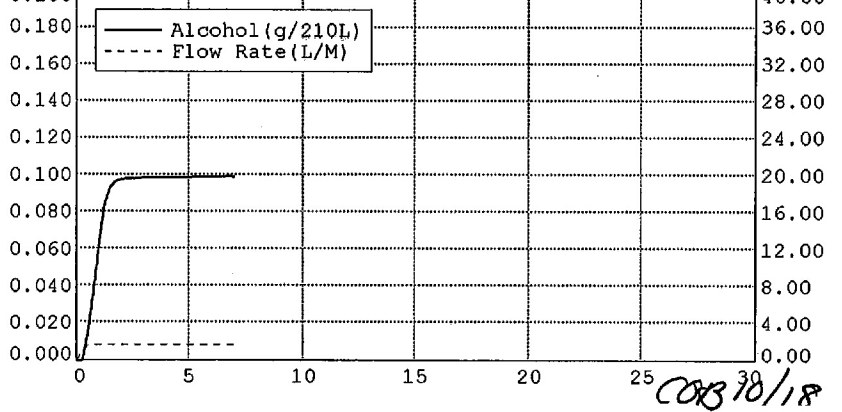
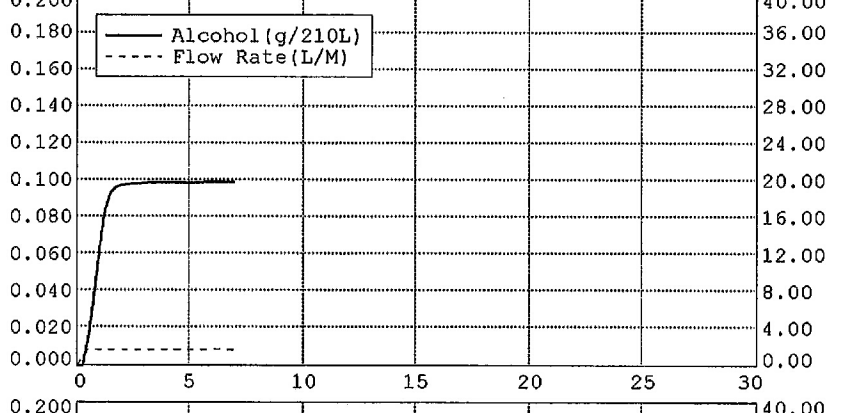
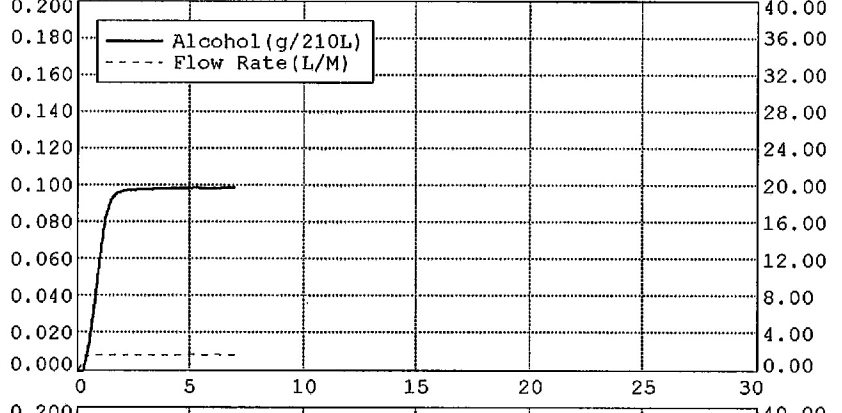
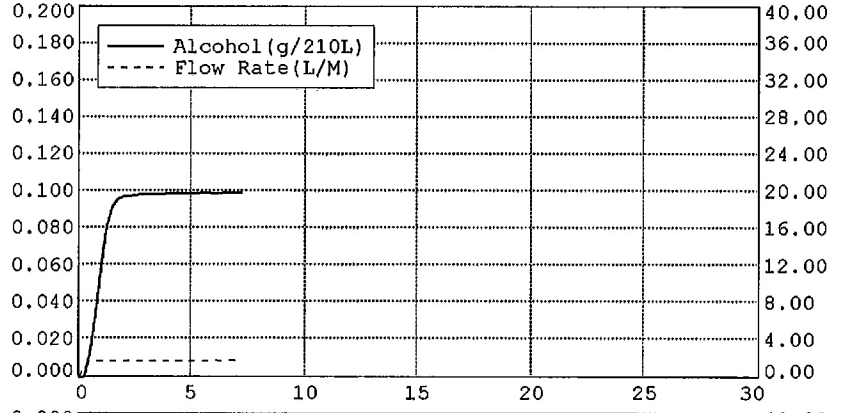
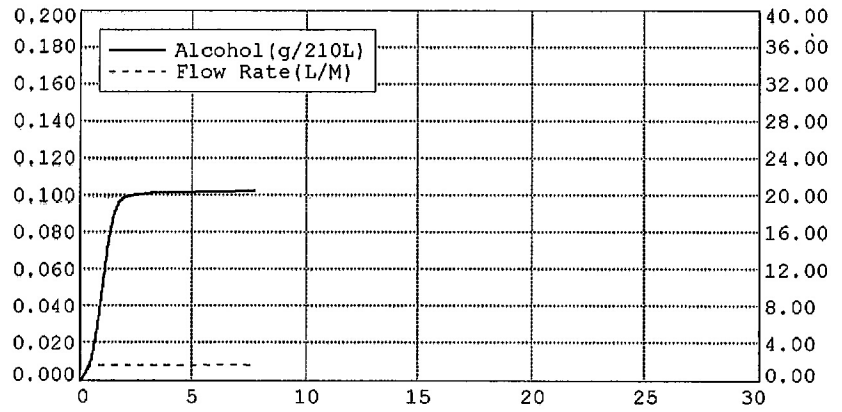
Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/22/2012
 Time: 14:39:04

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.92: 0.099
 LOT #: 07611100A3
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:40
INTERNAL STANDARD	VERIFIED	14:40
EXTERNAL STANDARD	0.102	14:40
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.099	14:41
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.099	14:43
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.099	14:44
BLANK TEST	0.000	14:45
EXTERNAL STANDARD	0.099	14:45
BLANK TEST	0.000	14:46

Average = 0.0999
 Std Dev = 0.0015



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LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100667

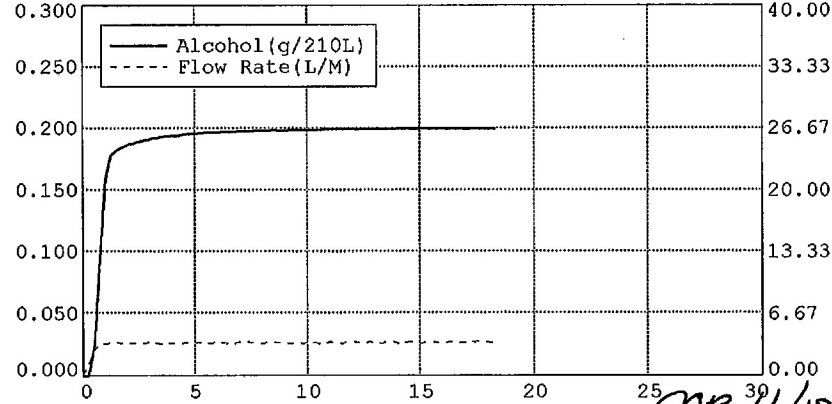
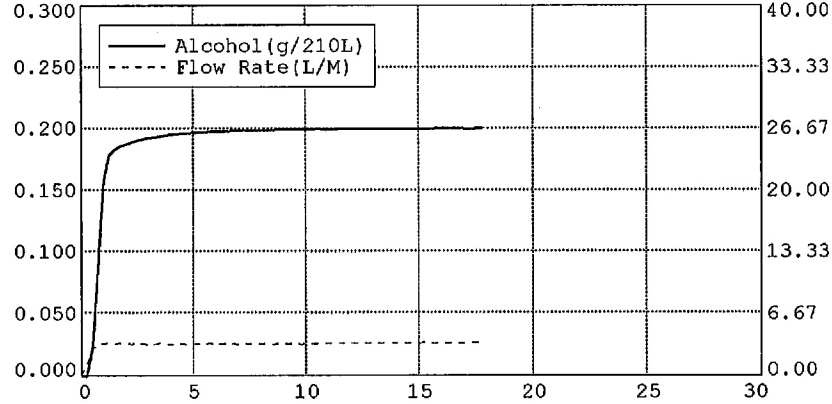
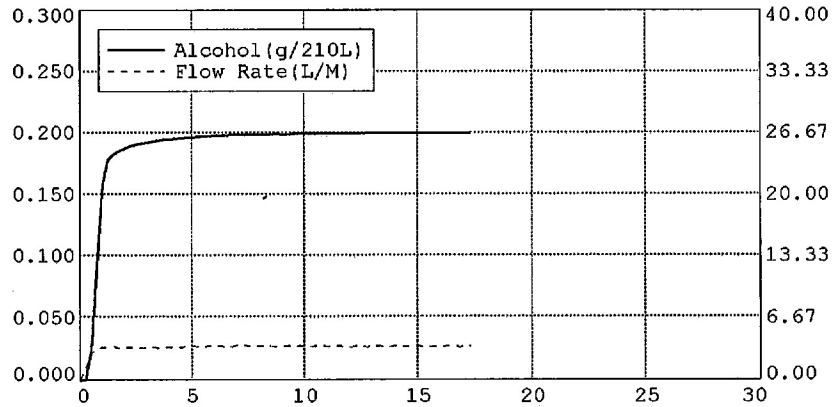
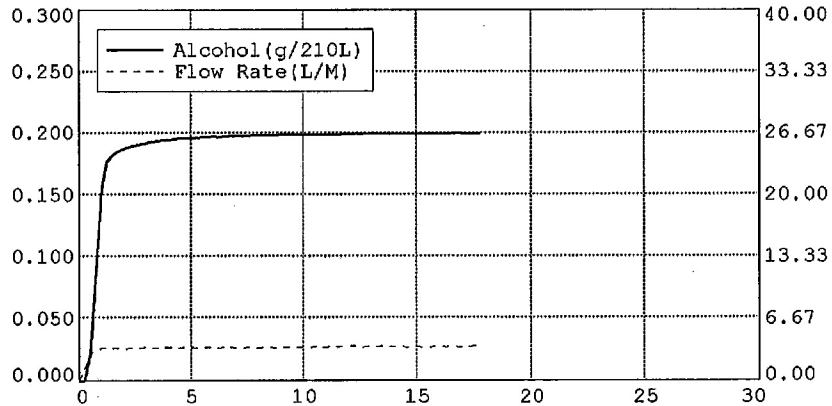
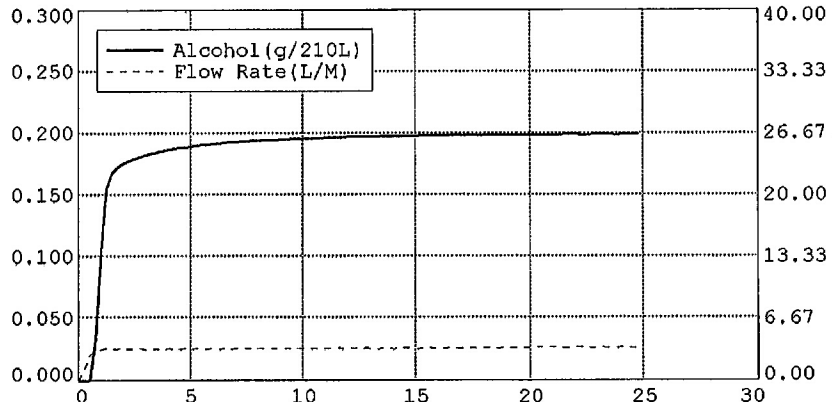
Date: 03/22/2012
 Time: 14:49:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 LOT #: 11120
 EXPIRATION: 07/19/2013

BLANK TEST	0.000	14:50
INTERNAL STANDARD	VERIFIED	14:50
EXTERNAL STANDARD	0.199	14:50
BLANK TEST	0.000	14:51
EXTERNAL STANDARD	0.200	14:52
BLANK TEST	0.000	14:53
EXTERNAL STANDARD	0.200	14:53
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.200	14:54
BLANK TEST	0.000	14:55
EXTERNAL STANDARD	0.200	14:56
BLANK TEST	0.000	14:57

Average = 0.2004
 Std Dev = 0.0004



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LINEARITY CHECK: Control Test 6

 Alaska Department of Public Safety
 DATAMASTER dmt: 100667

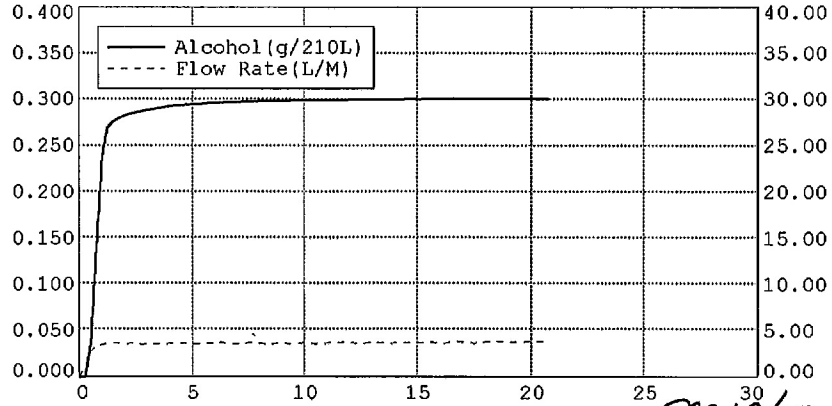
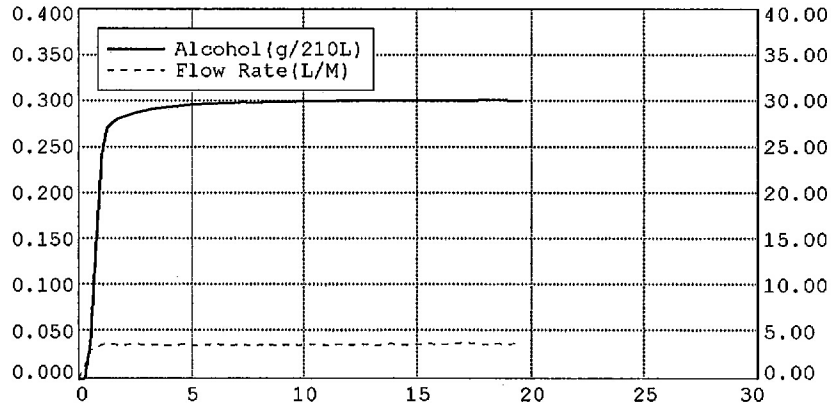
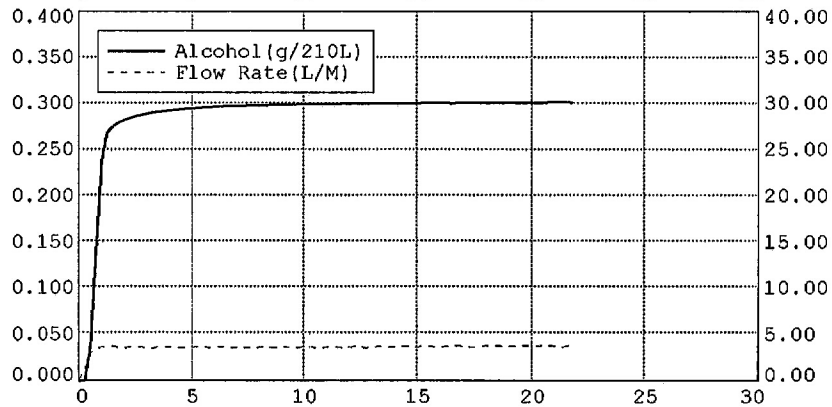
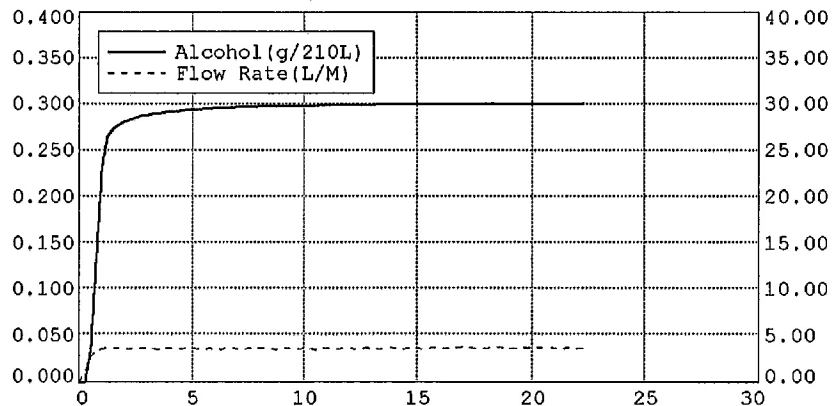
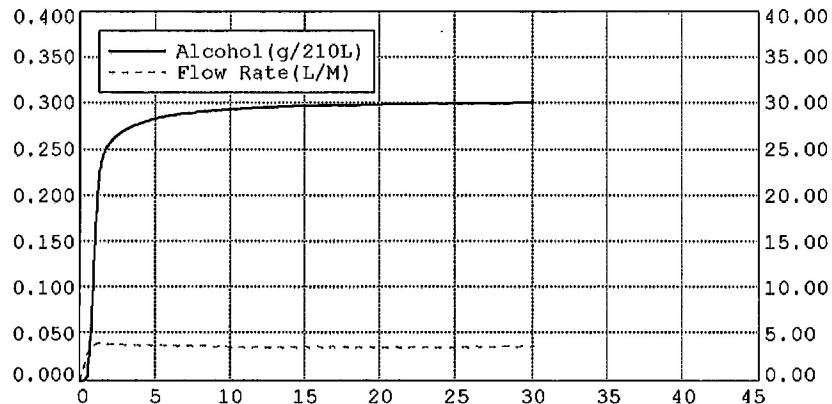
Date: 03/22/2012
 Time: 14:58:17

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 LOT #: 11110
 EXPIRATION: 07/13/2013

BLANK TEST	0.000	14:59
INTERNAL STANDARD	VERIFIED	14:59
EXTERNAL STANDARD	0.300	15:00
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.300	15:01
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.300	15:03
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.300	15:04
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.301	15:06
BLANK TEST	0.000	15:07

Average = 0.3007
 Std Dev = 0.0002



COB 12/12

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100667

Date: 03/23/2012
Time: 07:08:07

SUBJECT NAME:
TEST TEST
LICENSE #: INCOMPLETE

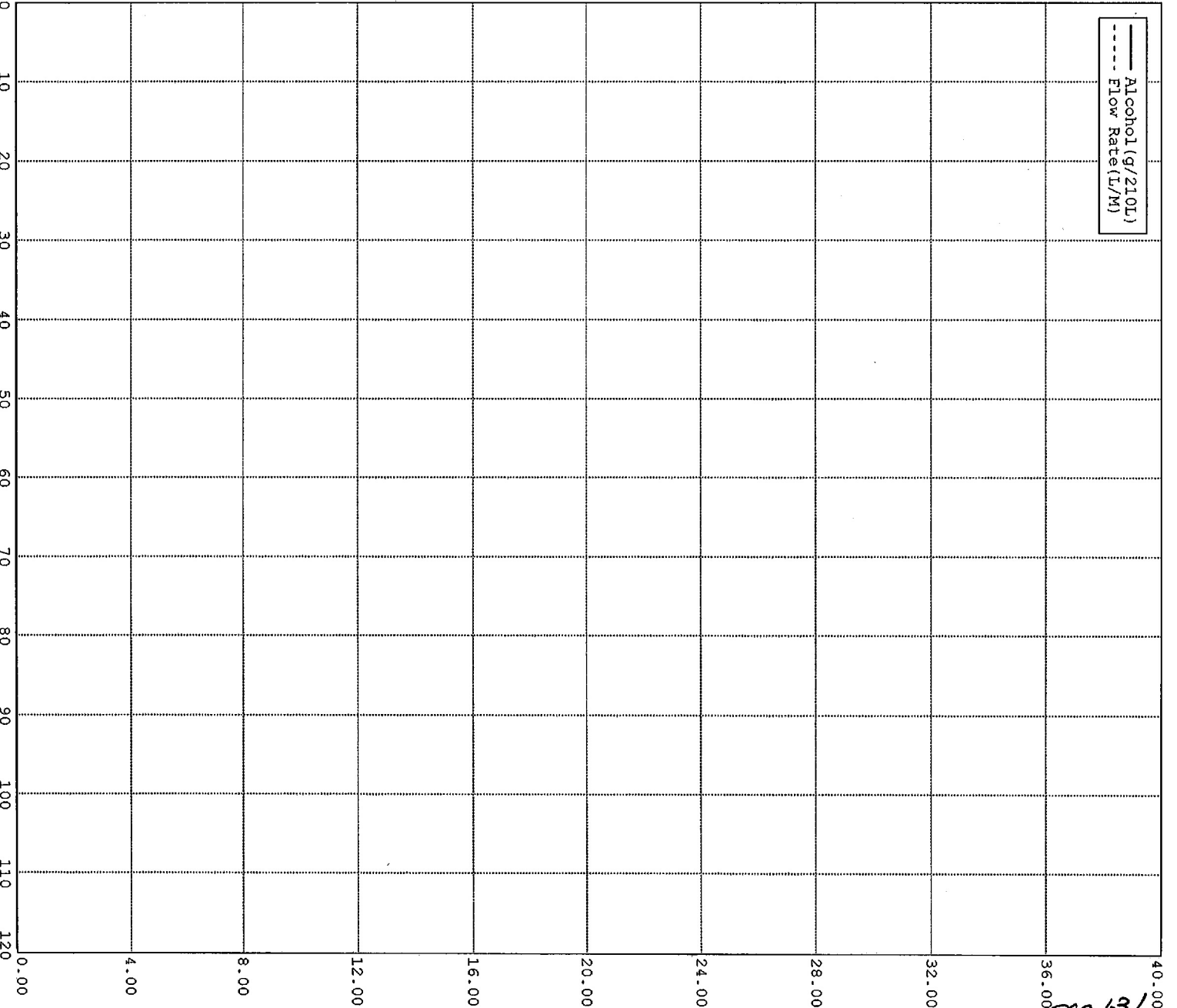
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	07:10
BLANK TEST	0.000	07:10
INTERNAL STANDARD	VERIFIED	07:10
EXTERNAL STANDARD	0.078	07:10
BLANK TEST	0.000	07:11
SUBJECT SAMPLE	INCOMPLETE	07:13

COB 3/23/12



COB 3/23/12

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/23/2012
 Time: 07:25:02

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

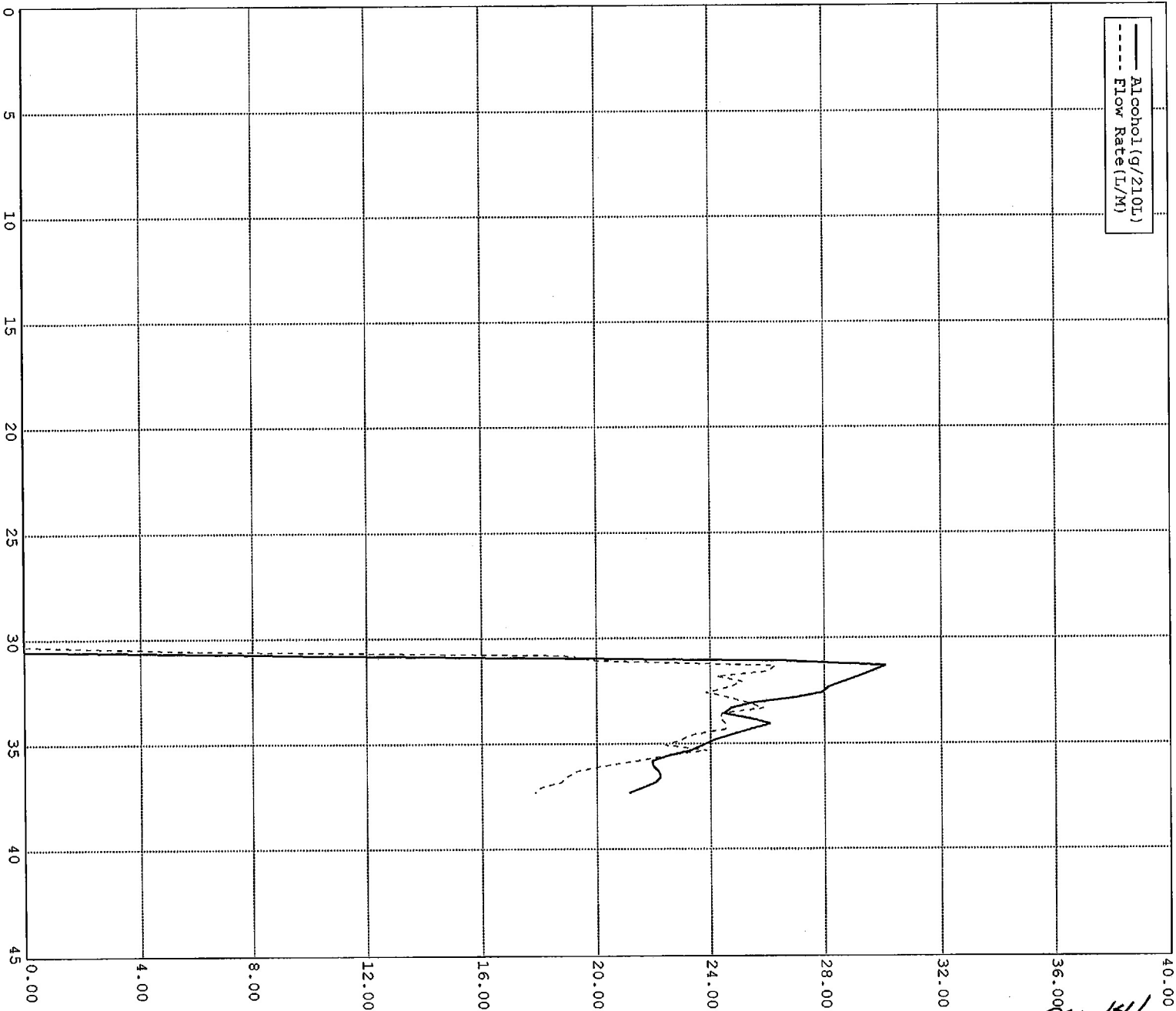
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.93: 0.080
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	07:29
BLANK TEST	0.000	07:29
INTERNAL STANDARD	VERIFIED	07:29
EXTERNAL STANDARD	0.079	07:29
BLANK TEST	0.000	07:30
SUBJECT SAMPLE	INVALID	07:31

COB 3/23/12



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/23/2012
 Time: 07:35:15

SUBJECT NAME:
 TEST TEST
 LICENSE #: INT-ACETONE

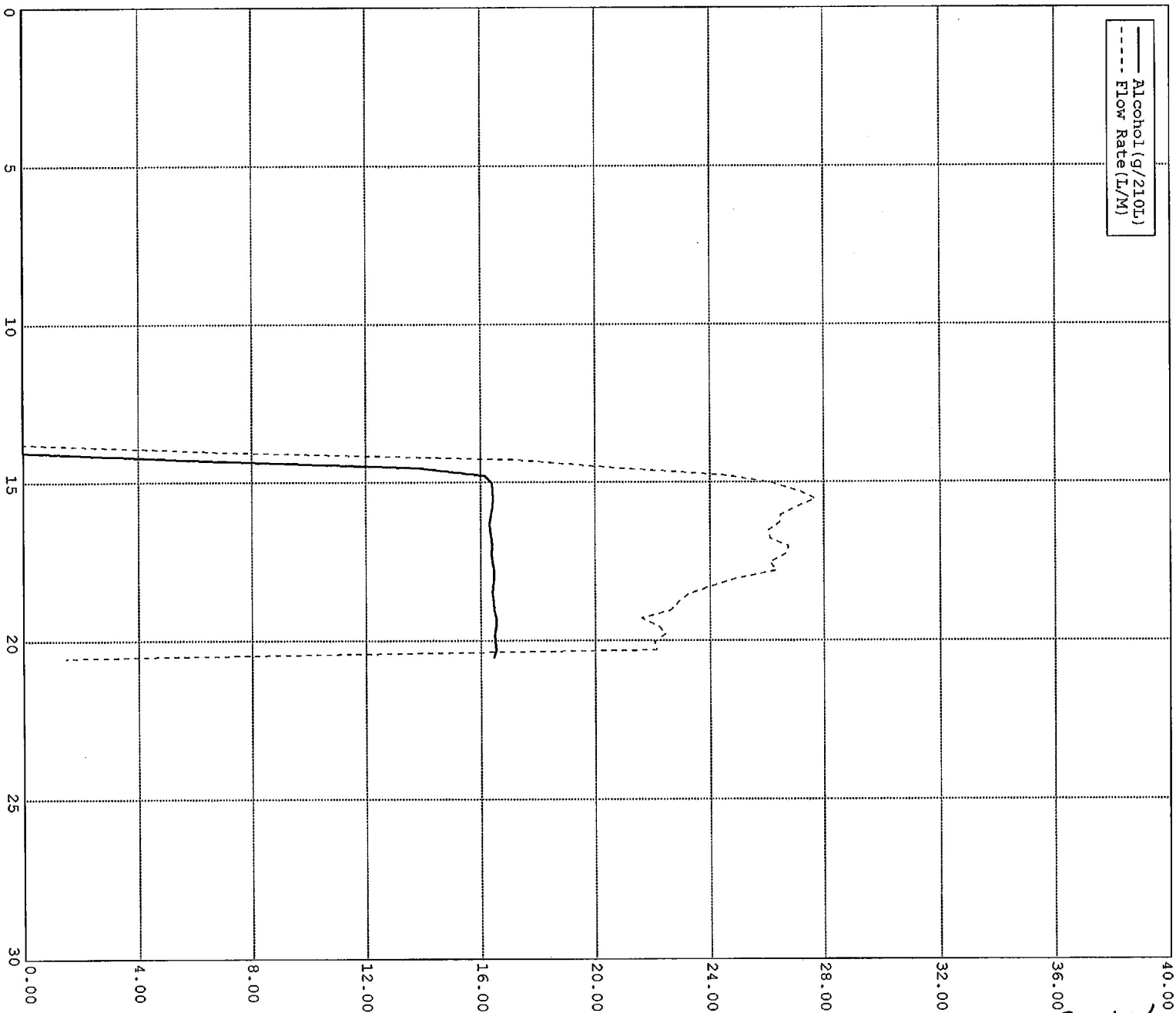
OPERATOR NAME:
 COLLEEN S O'BRYAN
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AA1
 CASE/REPORT: 12-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.080
 LOI #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	07:37
BLANK TEST	0.000	07:37
INTERNAL STANDARD	VERIFIED	07:37
EXTERNAL STANDARD	0.078	07:37
BLANK TEST	0.000	07:38
SUBJECT SAMPLE	INTERFERENCE	07:39

COB 3/23/12



COB 15/18

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100667

Date: 03/23/2012
Time: 07:41:57

SUBJECT NAME:
TEST TEST
LICENSE #: INT-IPA

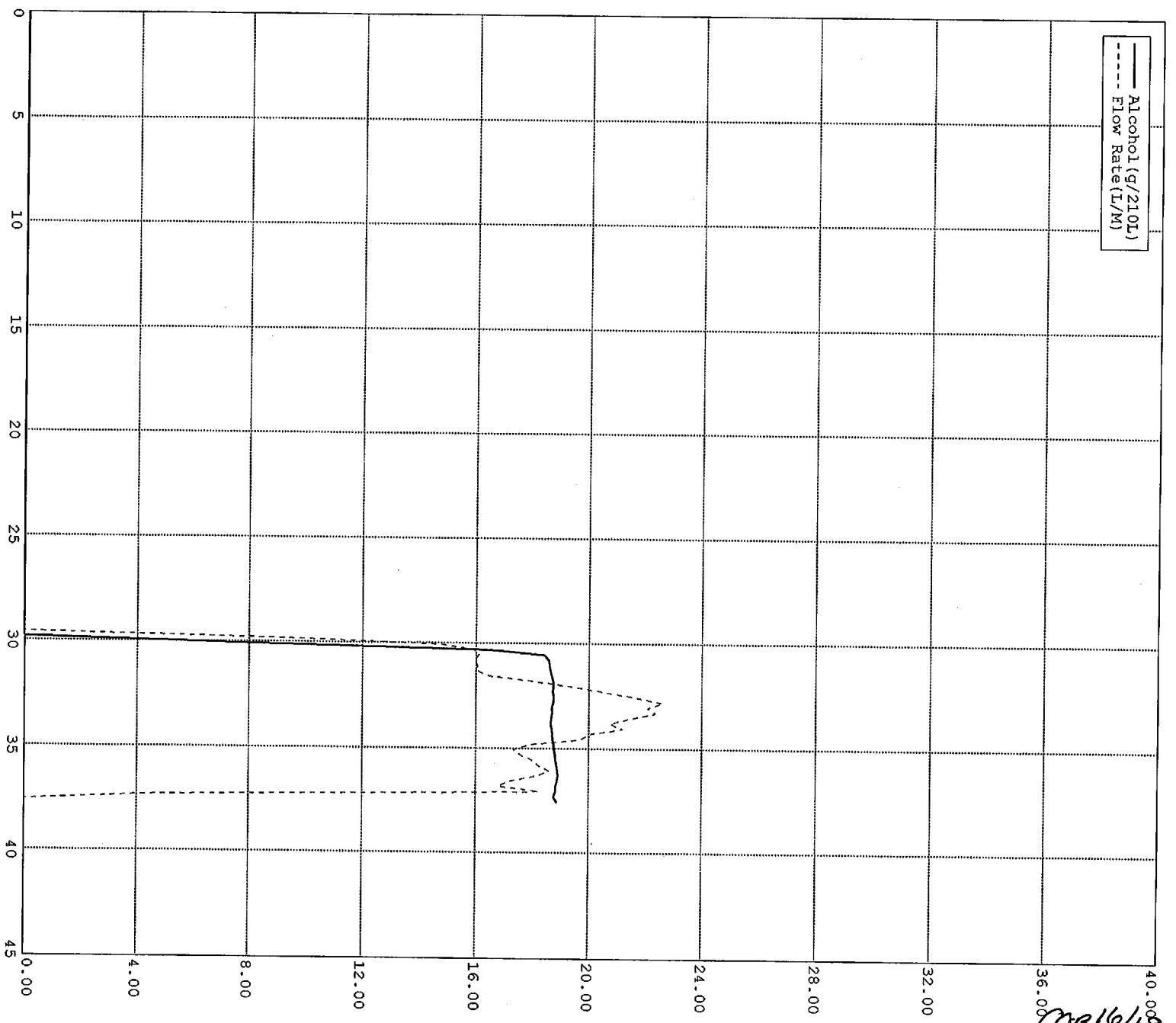
OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	07:43
BLANK TEST	0.000	07:43
INTERNAL STANDARD	VERIFIED	07:43
EXTERNAL STANDARD	0.078	07:44
BLANK TEST	0.000	07:44
SUBJECT SAMPLE	INTERFERENCE	07:45

03/23/12



03/16/12

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100667

Date: 03/23/2012
 Time: 07:47:39

SUBJECT NAME:
 TEST TEST
 LICENSE #: RFI

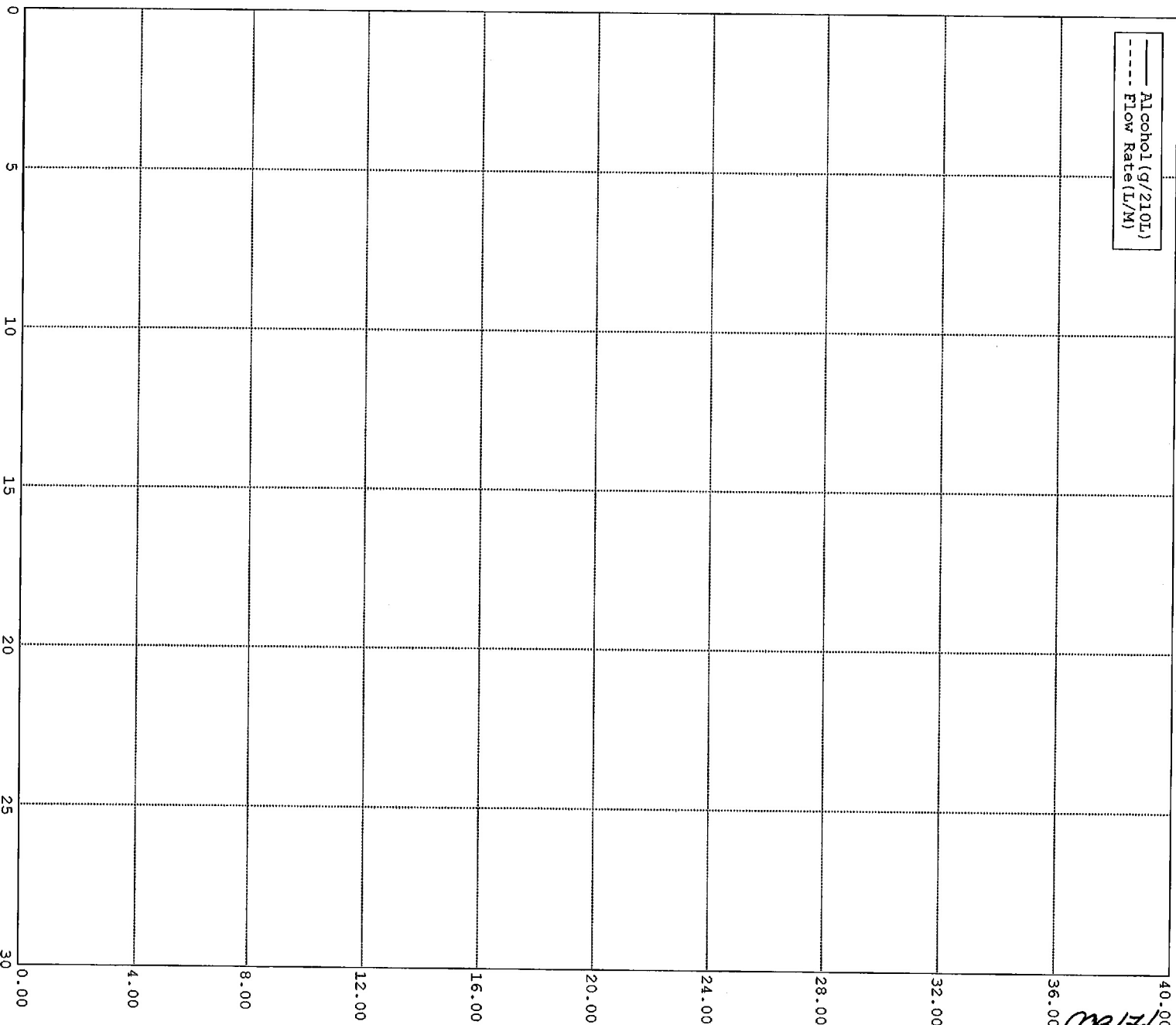
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.080
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	07:48
BLANK TEST	0.000	07:48
INTERNAL STANDARD	VERIFIED	07:48
EXTERNAL STANDARD	0.078	07:49
BLANK TEST	0.000	07:50

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100667

Date: 03/23/2012
 Time: 08:13:45

SUBJECT NAME:
 TEST TEST
 LICENSE #: NON-DRINKING

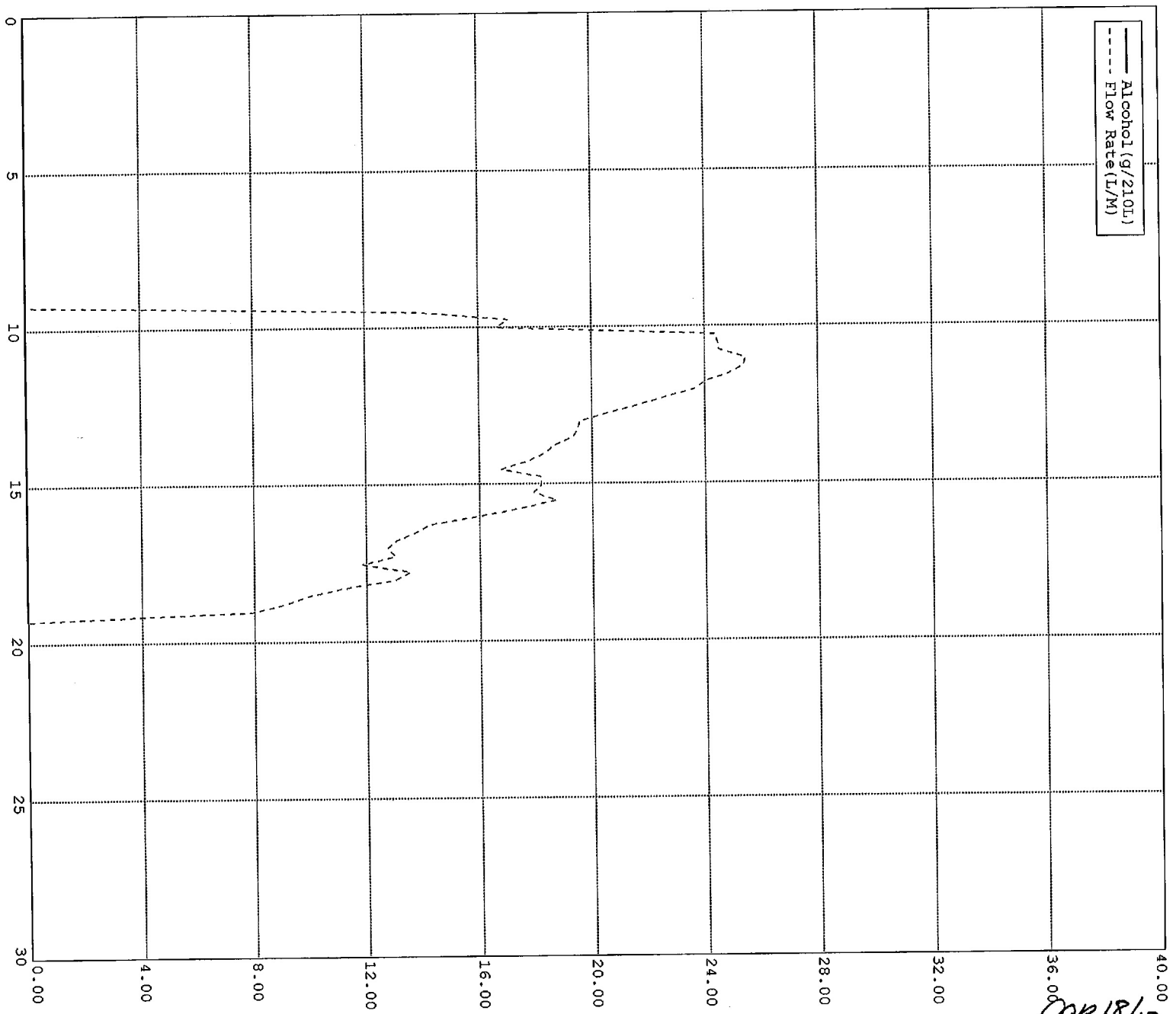
OPERATOR NAME:
 COLLEEN S O'BRYAN
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAA1
 CASE/REPORT: 12-123
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.94: 0.080
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	08:15
BLANK TEST	0.000	08:15
INTERNAL STANDARD	VERIFIED	08:15
EXTERNAL STANDARD	0.081	08:15
BLANK TEST	0.000	08:16
SUBJECT SAMPLE	0.000	08:16
BLANK TEST	0.000	08:17
EXTERNAL STANDARD	0.079	08:18
BLANK TEST	0.000	08:18

CRB 3/23/12



CRB 3/18/12

Final page for report

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11/19/2013