


Technician Screen

DATAMASTER dmt: 100368
-----Date: 03/22/2011
Time: 11:36 AMTemperatures (°C)
Sample Cell: 48.7°C
Breath Tube: 47.5°CCurrent Barometer 29.5 in
Volume (Ltr) 0.00Settings
Lamp: 1.73 V
Bias: 80 V
Cooler: 1.56 V
Chopper: 536 HzVoltages (V)
Flow: 1.07 V
Detector: 0.151 V

Detector voltage from
certification packet showed
voltage as 3.3v.

Reconfirmed all voltages
(lamp, bias, cooler, chopper)
are within tolerance range.
COB 3/22/11

	State of Alaska Scientific Crime Detection Laboratory		
	DataMaster Certification Form – DMCEF2011R1		
	Issuing Authority – Nita Bolz, Scientific Director		
Approval date: 03/10/11	Effective date: 03/10/11	Archive date: Active	

DataMaster DMT Certification Form

Instrument # 100368

1. Diagnostic Test (attached)
2. Voltage Checks
 - a. Adjust voltages, if needed
 - i. Lamp
 - ii. Bias
 - iii. Cooler
 - iv. Chopper Frequency
 - b. Set RFI
 - c. Adjust barometer reading, if needed
 - d. Adjust volume setting, if needed
 - e. Print Technician Screen (attached)
3. Print Calibration Factors (attached)
4. Volume Test - Minimum 1400 mL
5. Dry Gas Linearity Test (attached)

Analyst C. O' BryantDate 3/11/11

- a. Levels Used
 - i. 0.020g/210L Mnf ILMO Lot 02811020A1 Exp 2/1/13
 - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/13
 - iii. 0.080g/210L Mnf ILMO Lot 33609080A1 Exp 1/1/12
 - iv. 0.100g/210L Mnf ILMO Lot 0561100A2 Exp 3/1/13
 - v. 0.200g/210L Mnf ILMO Lot 517610200A1 Exp 7/1/12
 - vi. 0.300g/210L Mnf ILMO Lot 05611300A4 Exp 03/01/2013
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone - Mnf Guth Lot 9340 Level 0.080 Exp 12/6/11
 1. Simulator Calibration Date 10/18/10 SN DR6267
 - ii. Isopropanol - Mnf Guth Lot 9340 Level 0.080 Exp 12/6/11
 1. Simulator Calibration Date 8/4/10 SN SD1202
 - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100368

Date: 03/11/2011
Time: 13:32:24

VERSIONS
DMT: 1.01
PIC: 3.02
Modem: 2.0
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C PASSED
Breath Tube = 48.1°C PASSED

PUMP INFO
Flow Rate = 5.183 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: 100368

Date: 03/11/2011
Time: 1:49 PM

Temperatures (°C)

Sample Cell: 49.2°C
Breath Tube: 48.1°C

Current Barometer 29.7 in
Volume (Ltr) 1.52

Settings

Lamp: 1.73 V
Bias: 80 V
Cooler: 1.56 V
Chopper: 0 Hz

Voltages (V)

Flow: 1.07 V
Detector: 3.330 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100368

Date: 01/17/2011
Time: 13:00:13

Ca	=	0.0990		
CAL	=	0.991906	0.800	<= CAL < 1.200
b1	=	0.0000	0.0000	<= b1 < 0.0040
b2	=	0.0054	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0751	0.0500	<= Xq < 0.2000
a21	=	1.187971	1.050	<= a21 < 1.300
a31	=	0.428468	0.300	<= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

Date: 03/11/2011
 Time: 13:52:47

SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST

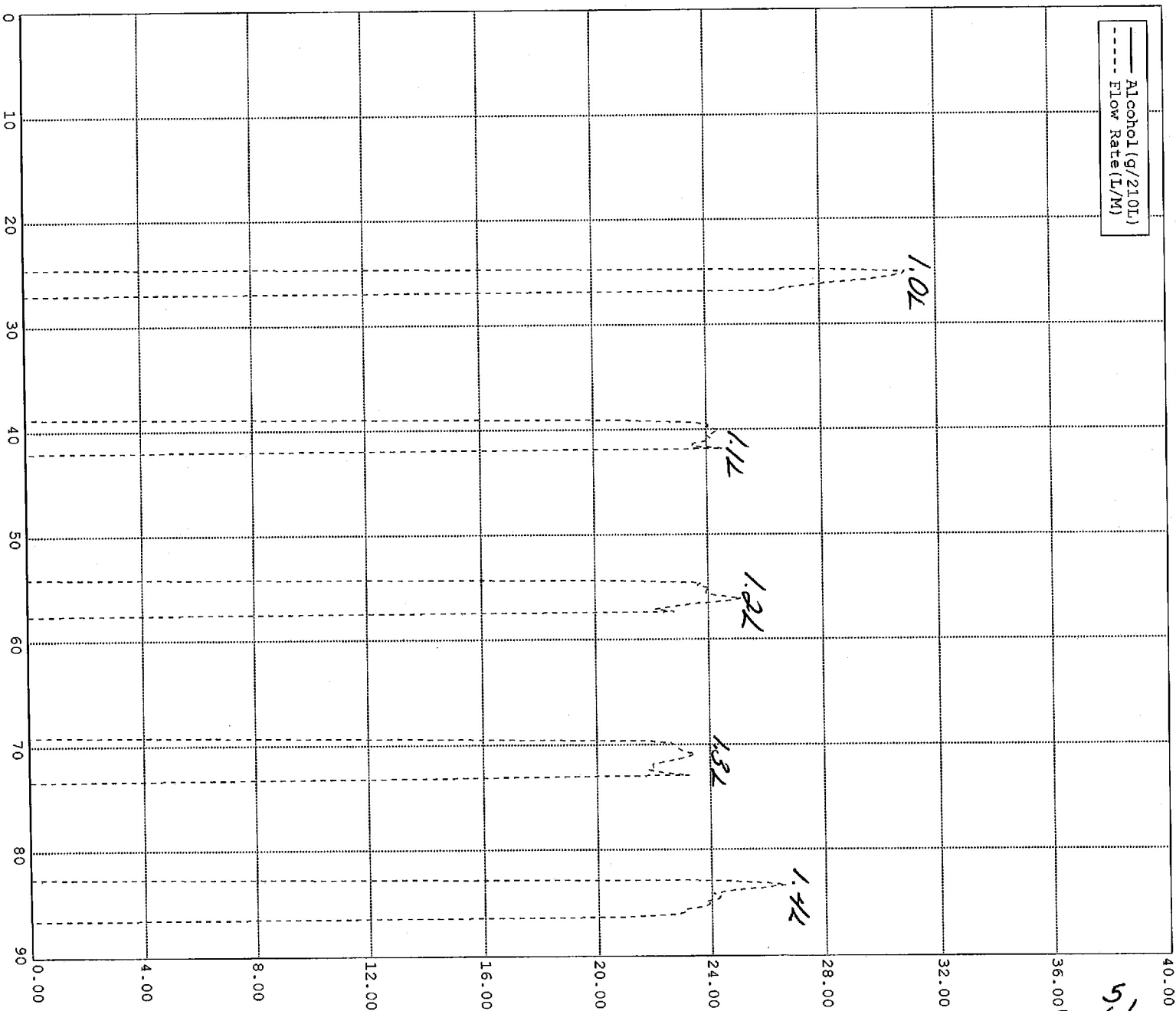
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAAl
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.71: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	13:53
BLANK TEST	0.000	13:53
INTERNAL STANDARD	0.081	13:54
EXTERNAL STANDARD	0.000	13:55
BLANK TEST	0.000	13:56
SUBJECT SAMPLE	0.000	13:57
BLANK TEST	0.080	13:57
EXTERNAL STANDARD	0.000	13:58
BLANK TEST	0.000	13:58

CB



LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

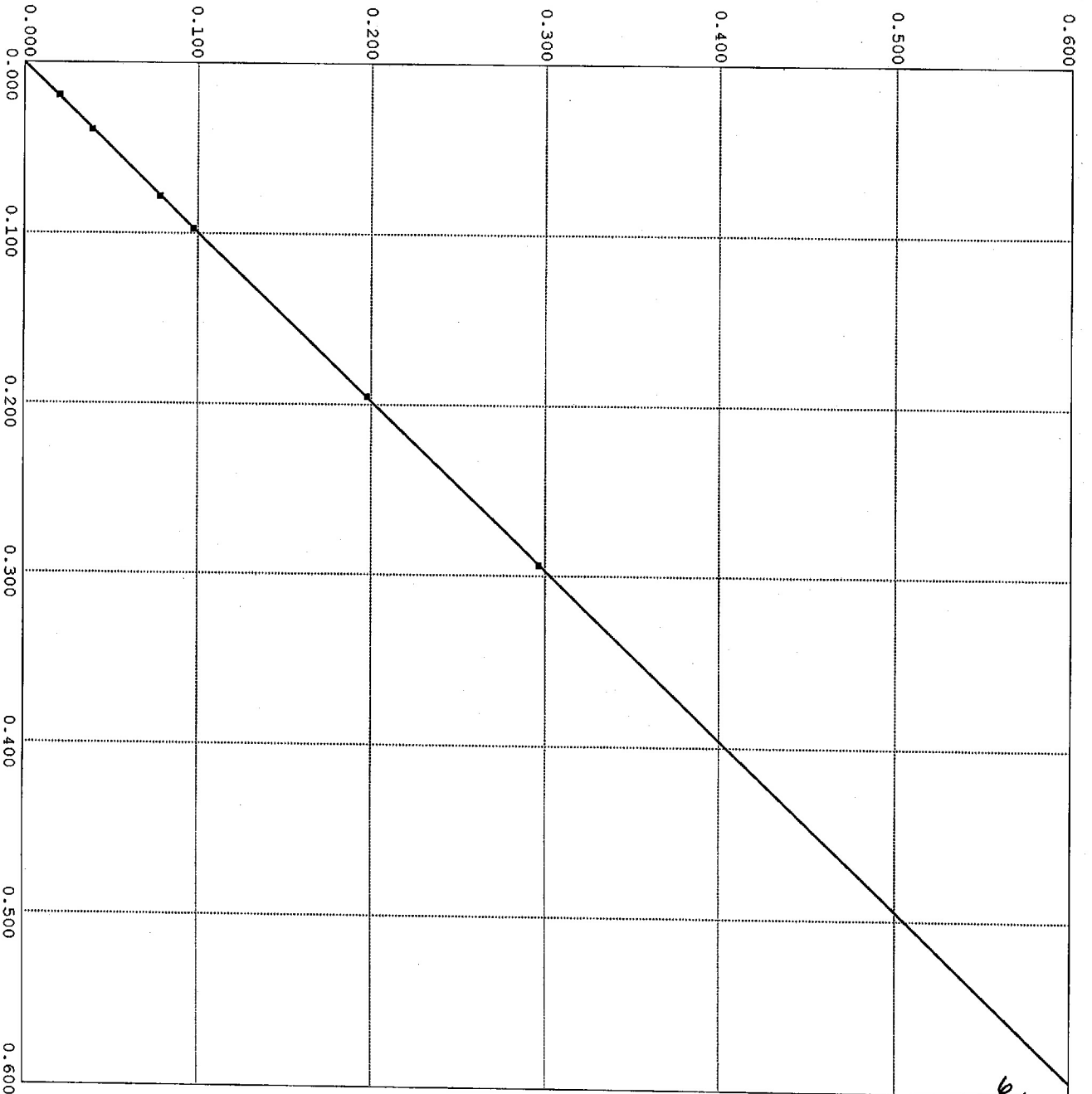
Date: 03/14/2011
 Time: 07:59:53

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0202	0.0004
0.039	0.0392	0.0004
0.078	0.0790	0.0000
0.097	0.0984	0.0005
0.195	0.1984	0.0019
0.293	0.2970	0.0012

SLOPE = 1.013433
 R² = 0.999989

CS



LINEARITY CHECK: Control Test 1

 Alaska Department of Public Safety
 DATAMASTER dmt: 100368

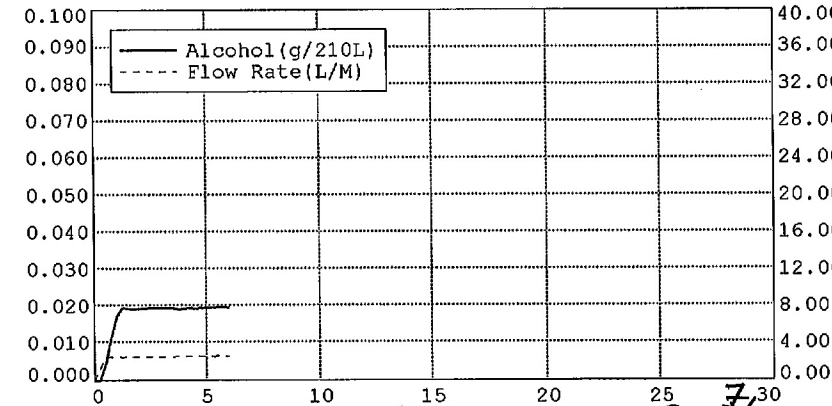
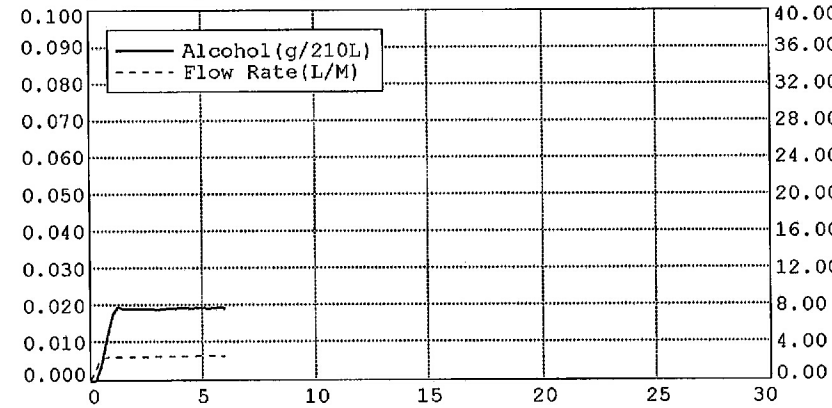
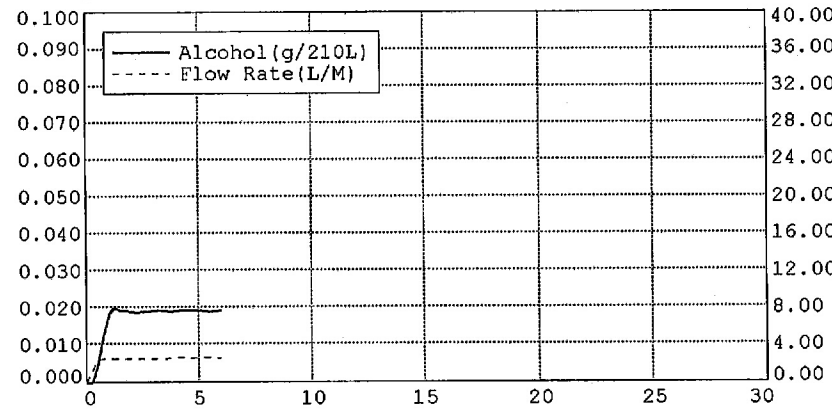
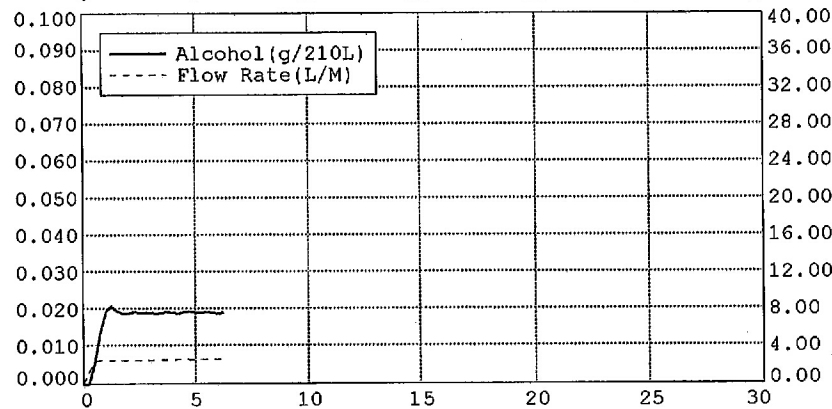
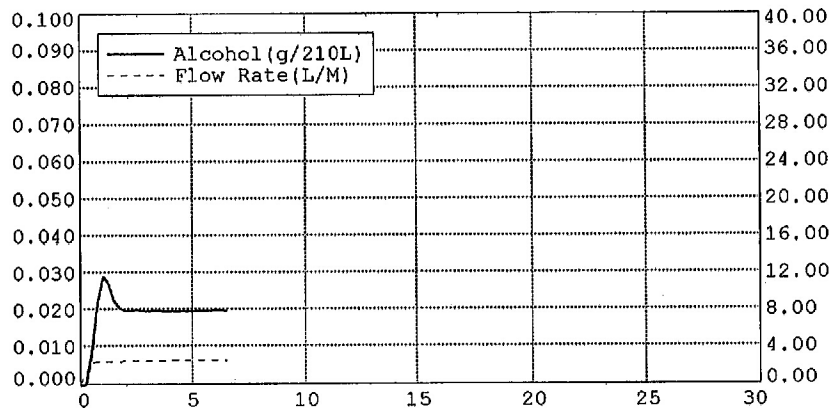
Date: 03/14/2011
 Time: 07:59:55

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.25: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	08:01
INTERNAL STANDARD	VERIFIED	08:01
EXTERNAL STANDARD	0.021	08:01
BLANK TEST	0.000	08:02
EXTERNAL STANDARD	0.020	08:02
BLANK TEST	0.000	08:03
EXTERNAL STANDARD	0.020	08:03
BLANK TEST	0.000	08:04
EXTERNAL STANDARD	0.020	08:04
BLANK TEST	0.000	08:05
EXTERNAL STANDARD	0.020	08:06
BLANK TEST	0.000	08:06

Average = 0.0202
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

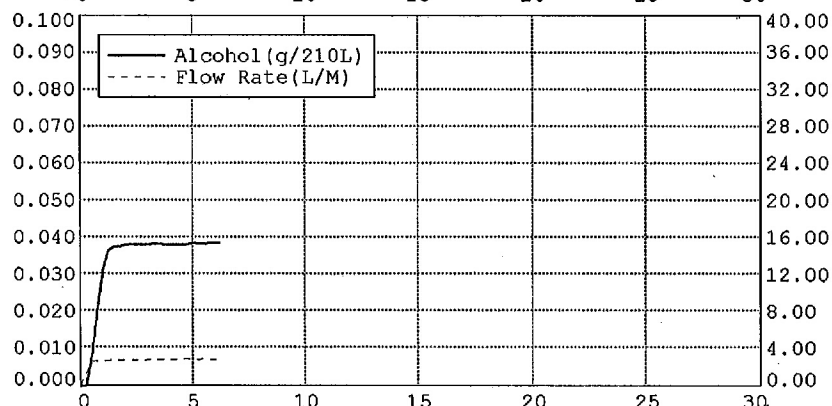
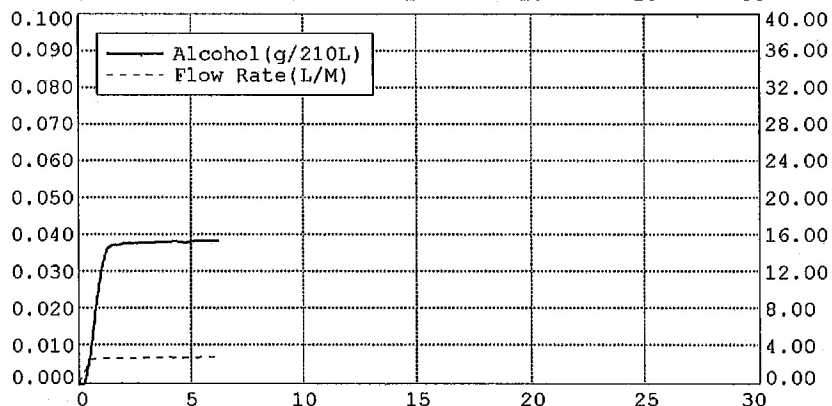
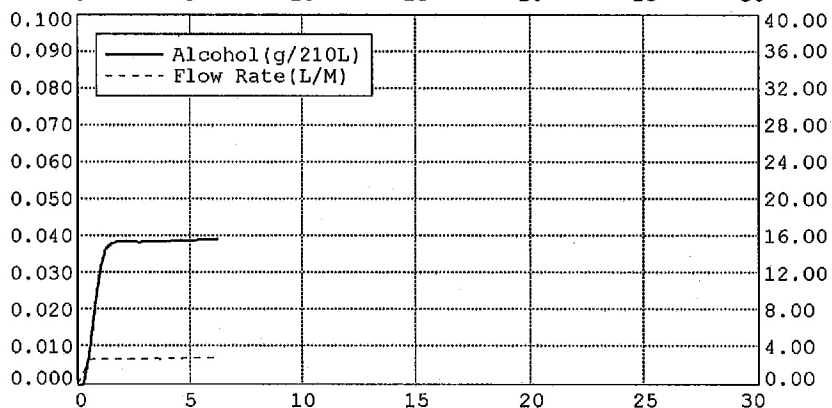
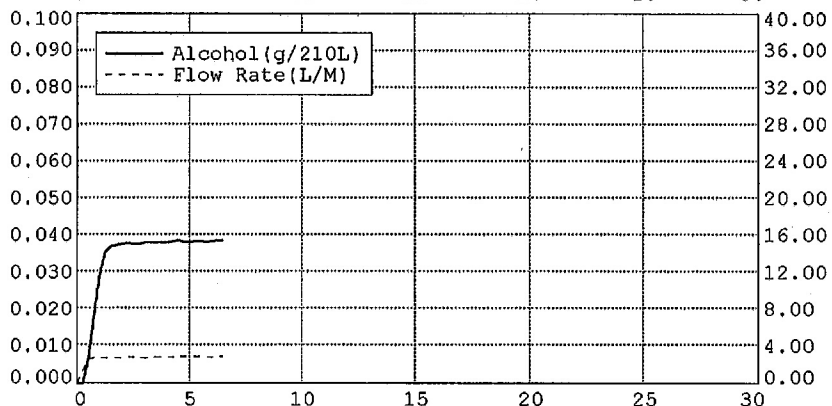
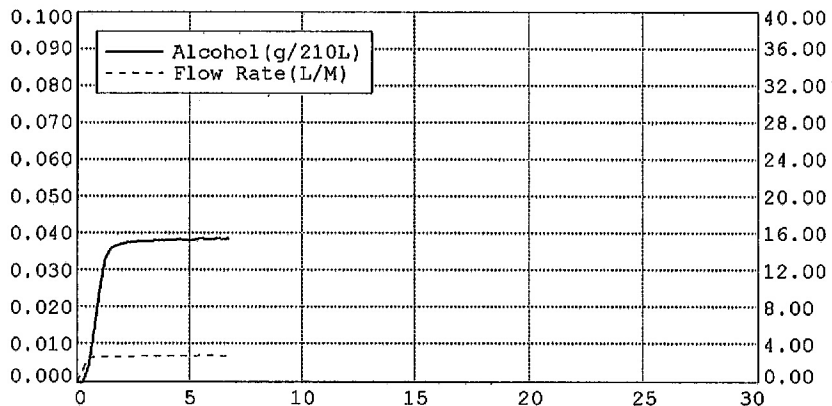
Date: 03/14/2011
 Time: 08:11:43

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.25: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/~~2012~~ 2013
 COB 3/14/11

BLANK TEST	0.000	08:13
INTERNAL STANDARD	VERIFIED	08:13
EXTERNAL STANDARD	0.039	08:14
BLANK TEST	0.000	08:15
EXTERNAL STANDARD	0.039	08:15
BLANK TEST	0.000	08:16
EXTERNAL STANDARD	0.040	08:16
BLANK TEST	0.000	08:17
EXTERNAL STANDARD	0.039	08:17
BLANK TEST	0.000	08:18
EXTERNAL STANDARD	0.039	08:18
BLANK TEST	0.000	08:19

Average = 0.0392
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

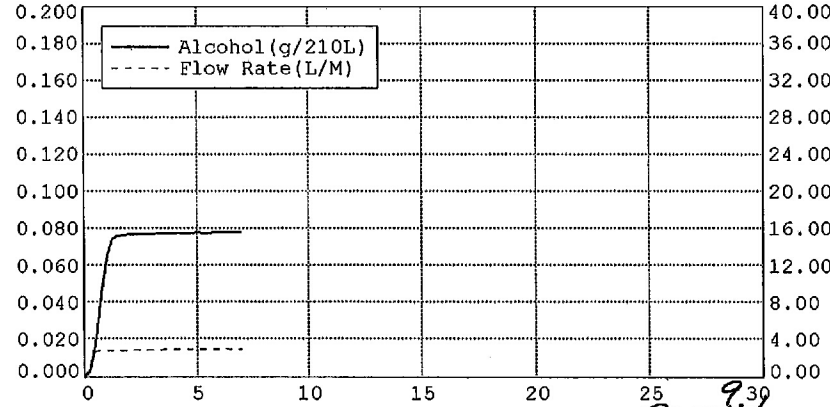
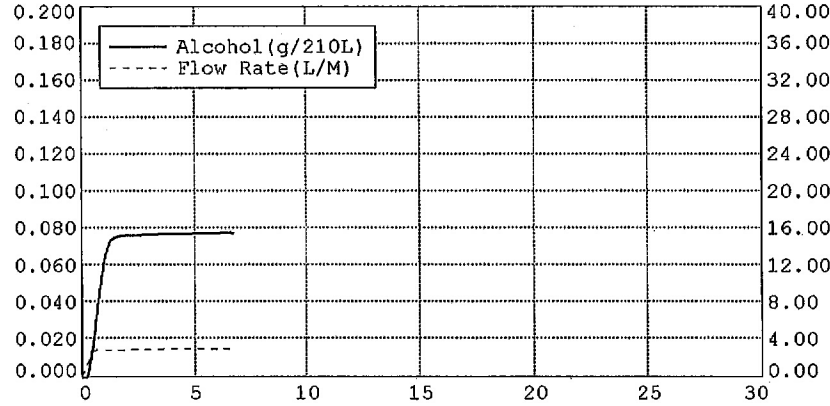
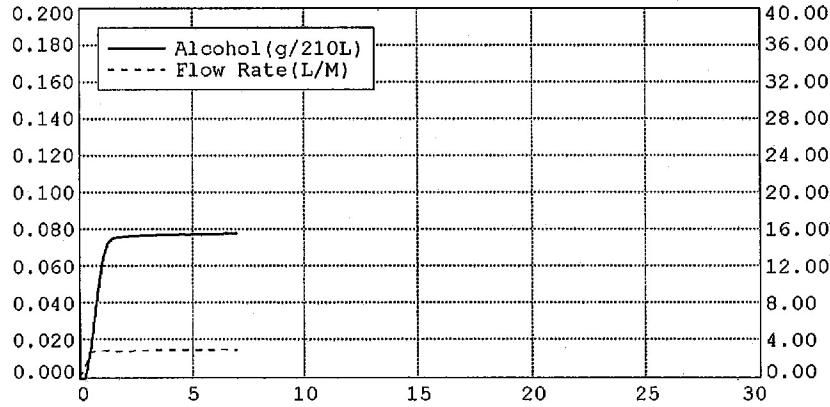
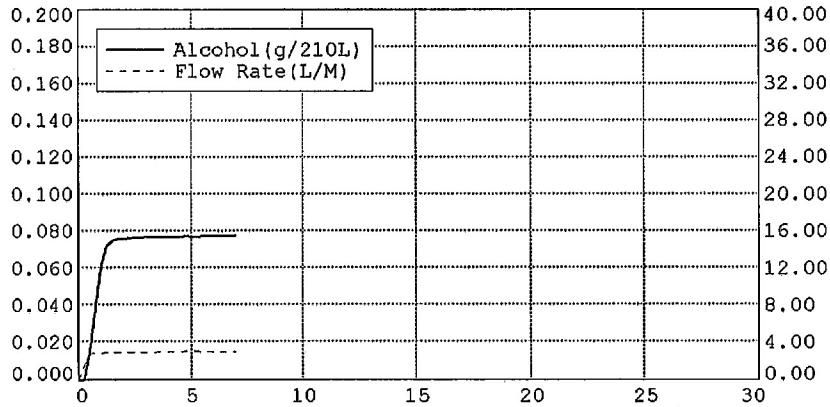
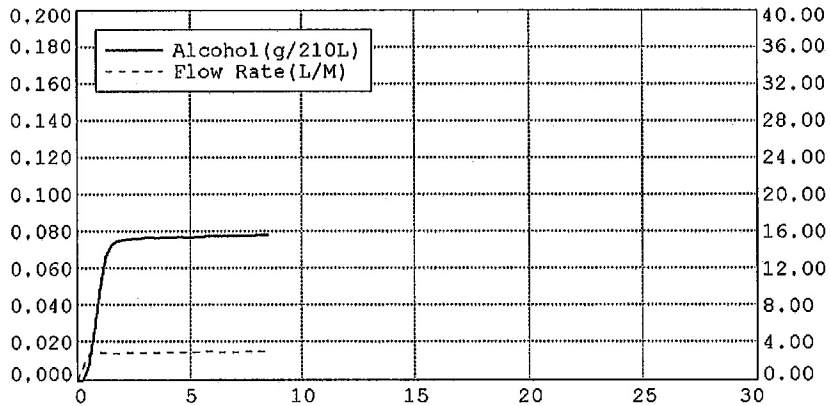
Date: 03/14/2011
 Time: 08:21:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.25: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

BLANK TEST	0.000	08:22
INTERNAL STANDARD	VERIFIED	08:22
EXTERNAL STANDARD	0.079	08:22
BLANK TEST	0.000	08:23
EXTERNAL STANDARD	0.079	08:24
BLANK TEST	0.000	08:25
EXTERNAL STANDARD	0.079	08:25
BLANK TEST	0.000	08:26
EXTERNAL STANDARD	0.079	08:26
BLANK TEST	0.000	08:27
EXTERNAL STANDARD	0.079	08:27
BLANK TEST	0.000	08:28

Average = 0.0790
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

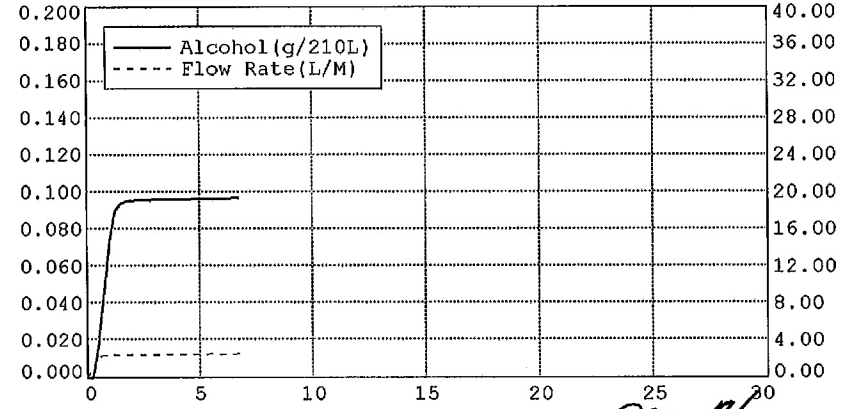
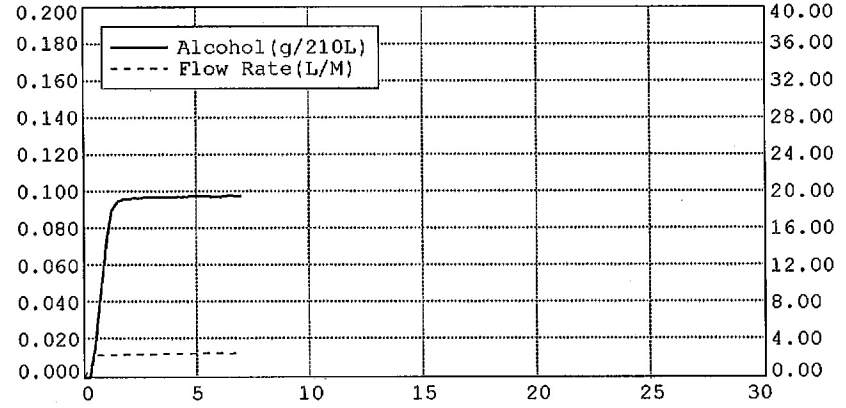
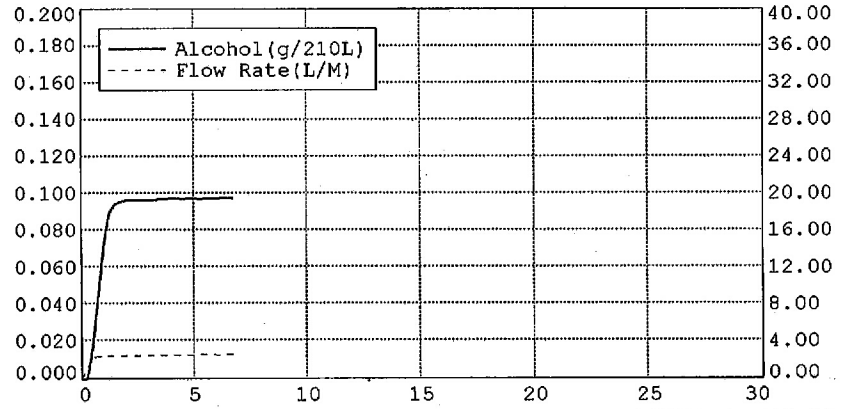
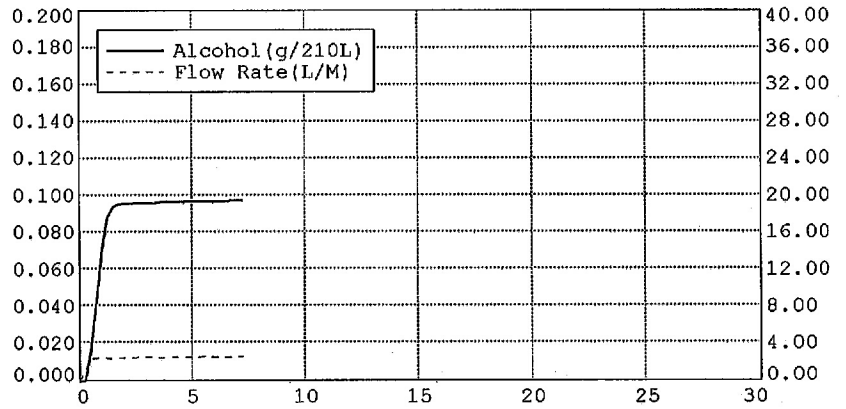
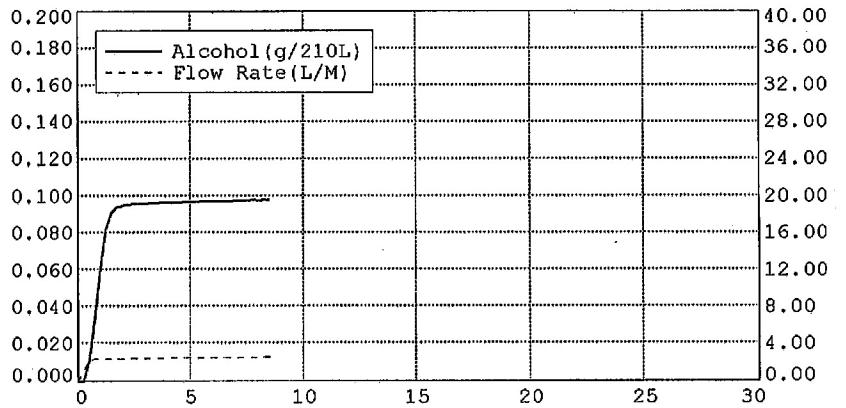
Date: 03/14/2011
 Time: 08:29:04

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.25: 0.097
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:30
INTERNAL STANDARD	VERIFIED	08:30
EXTERNAL STANDARD	0.099	08:30
BLANK TEST	0.000	08:31
EXTERNAL STANDARD	0.098	08:31
BLANK TEST	0.000	08:32
EXTERNAL STANDARD	0.098	08:32
BLANK TEST	0.000	08:33
EXTERNAL STANDARD	0.099	08:33
BLANK TEST	0.000	08:34
EXTERNAL STANDARD	0.098	08:35
BLANK TEST	0.000	08:35

Average = 0.0984
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

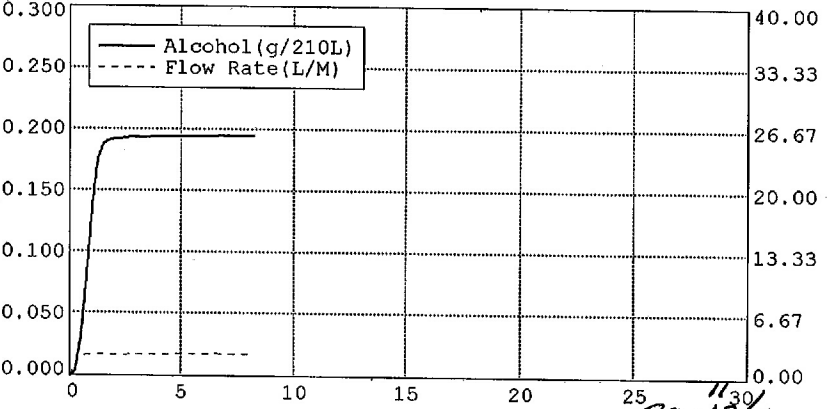
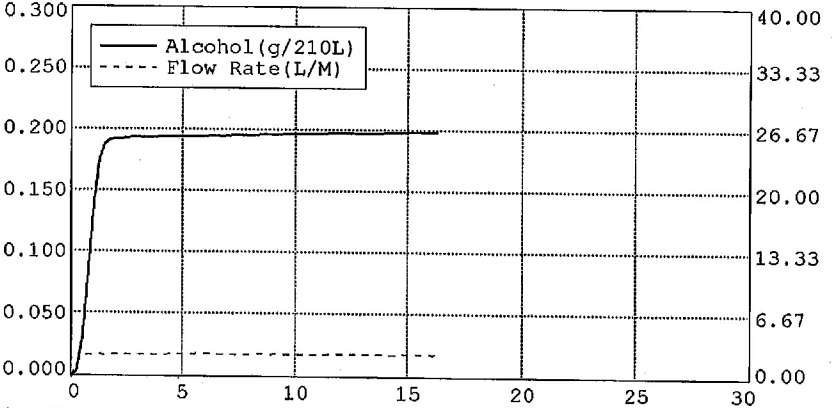
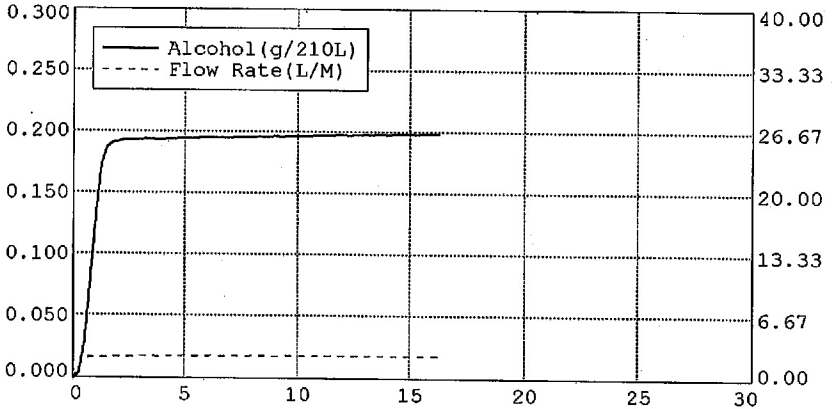
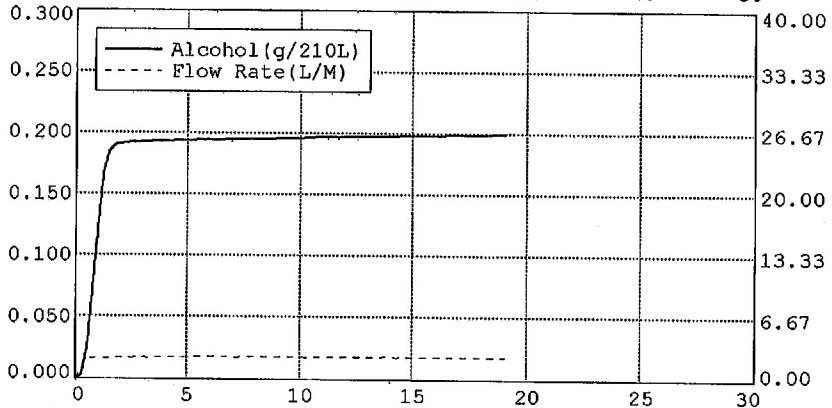
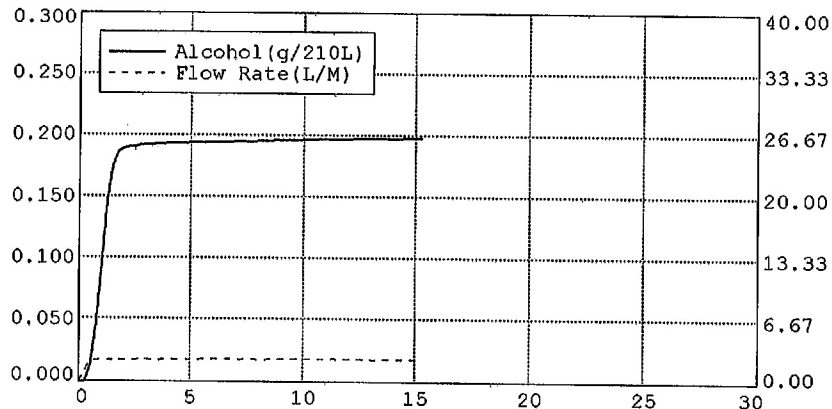
Date: 03/14/2011
 Time: 08:37:04

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.25: 0.195
 LOT #: 17610200A1
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	08:38
INTERNAL STANDARD	VERIFIED	08:38
EXTERNAL STANDARD	0.199	08:38
BLANK TEST	0.000	08:39
EXTERNAL STANDARD	0.200	08:40
BLANK TEST	0.000	08:41
EXTERNAL STANDARD	0.199	08:41
BLANK TEST	0.000	08:42
EXTERNAL STANDARD	0.199	08:43
BLANK TEST	0.000	08:44
EXTERNAL STANDARD	0.195	08:44
BLANK TEST	0.000	08:45

Average = 0.1984
 Std Dev = 0.0019



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100368

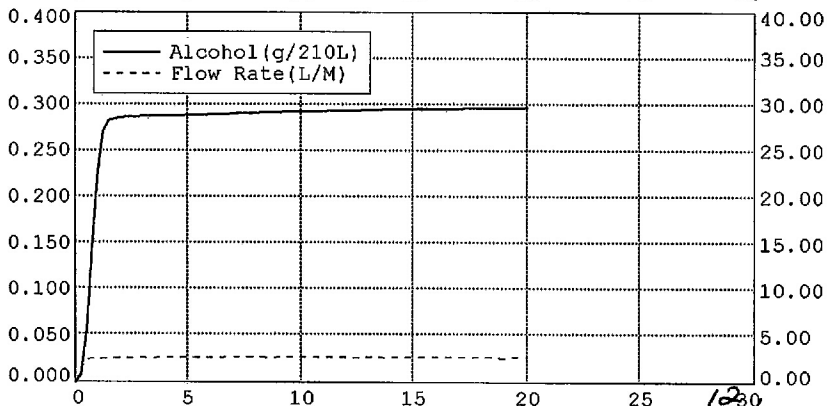
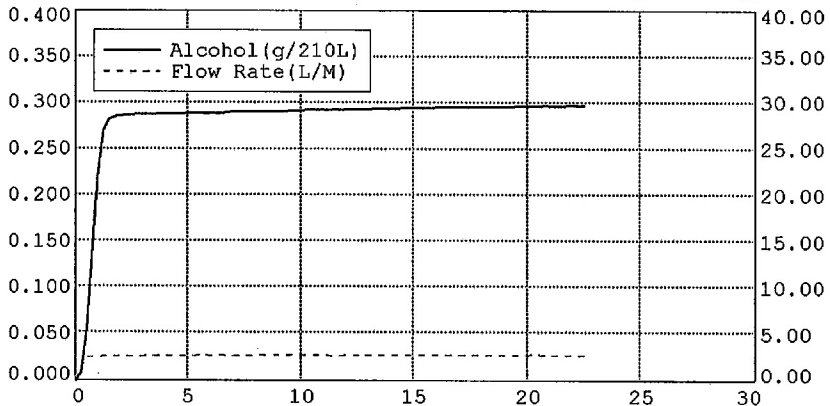
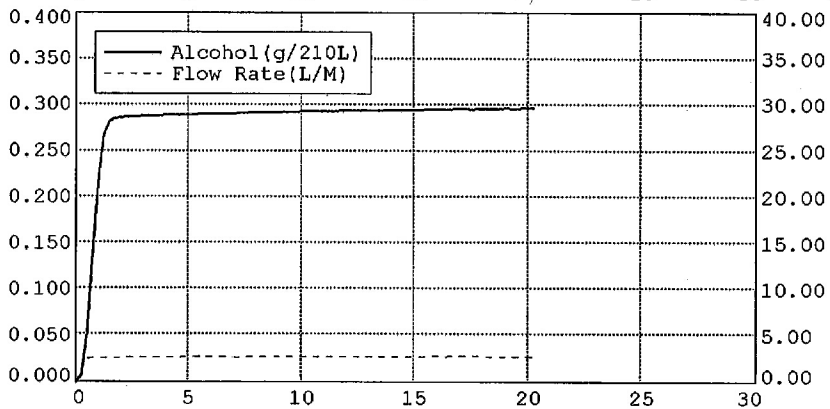
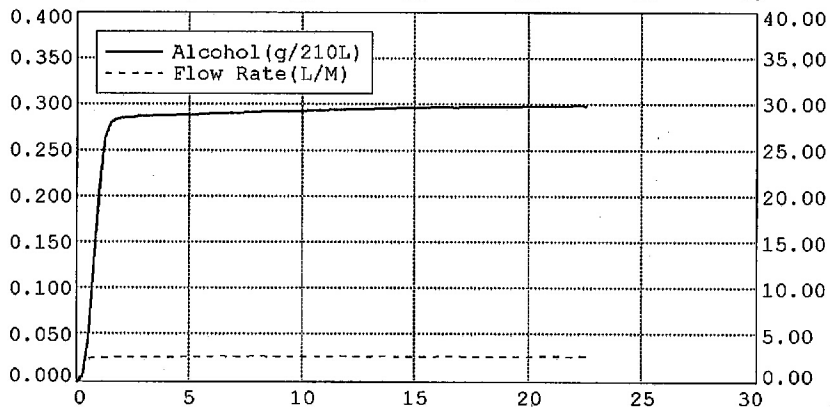
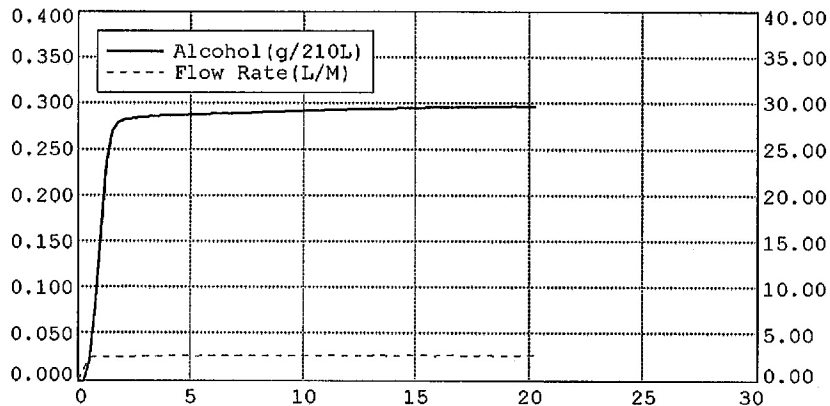
Date: 03/14/2011
Time: 08:58:49

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.25: 0.293
LOT #: 05611300A4
EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:59
INTERNAL STANDARD	VERIFIED	09:00
EXTERNAL STANDARD	0.296	09:00
BLANK TEST	0.000	09:01
EXTERNAL STANDARD	0.299	09:02
BLANK TEST	0.000	09:03
EXTERNAL STANDARD	0.296	09:03
BLANK TEST	0.000	09:05
EXTERNAL STANDARD	0.297	09:05
BLANK TEST	0.000	09:06
EXTERNAL STANDARD	0.297	09:07
BLANK TEST	0.000	09:08

Average = 0.2970
Std Dev = 0.0012



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

Date: 03/11/2011
 Time: 14:04:46

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

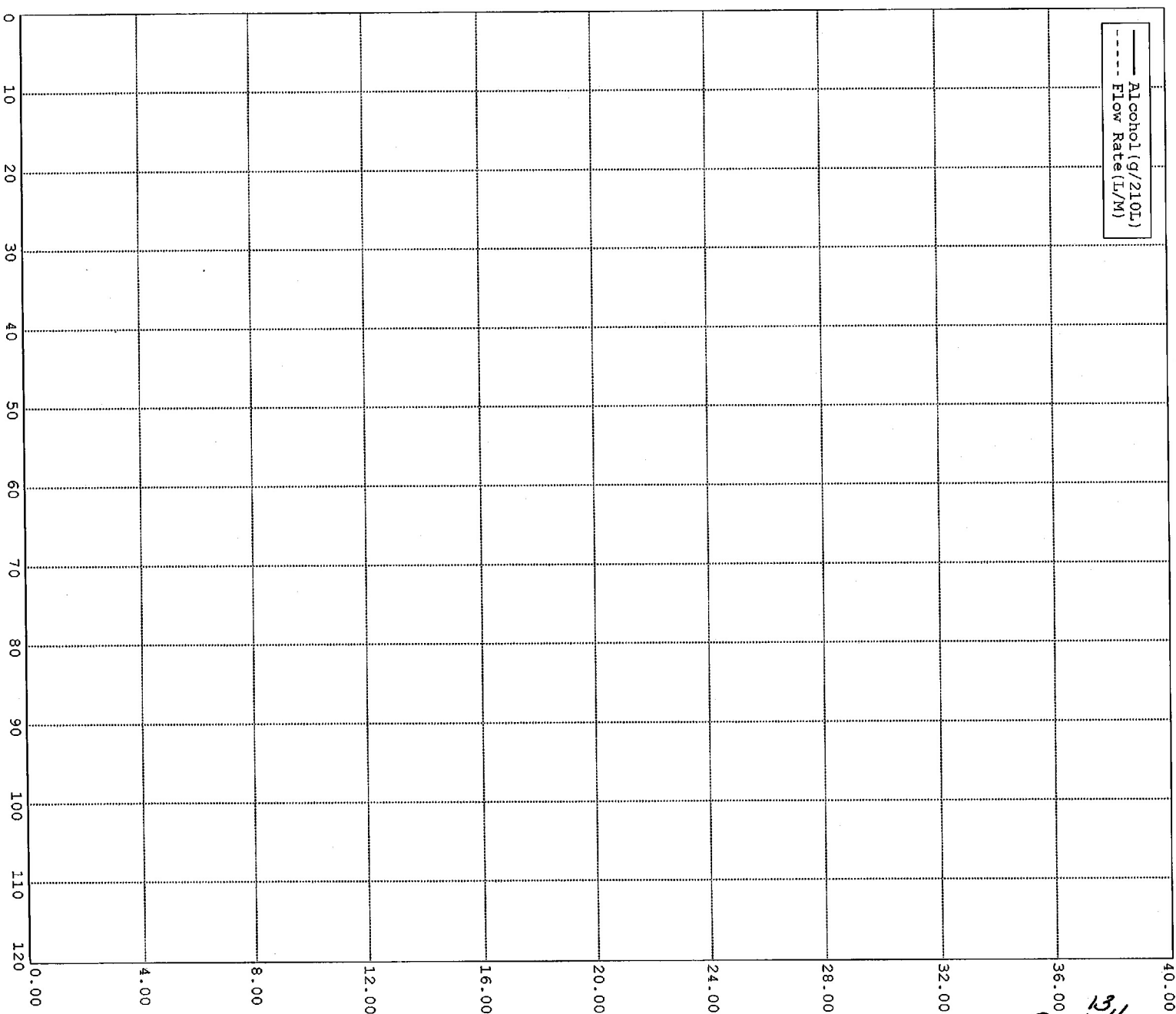
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.71: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:05
BLANK TEST	0.000	14:05
INTERNAL STANDARD	VERIFIED	14:06
EXTERNAL STANDARD	0.080	14:06
BLANK TEST	0.000	14:07
SUBJECT SAMPLE	INCOMPLETE	14:09

COB



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

Date: 03/11/2011
 Time: 14:13:16

SUBJECT NAME:
 TEST TEST
 LICENSE #: INT - ISO

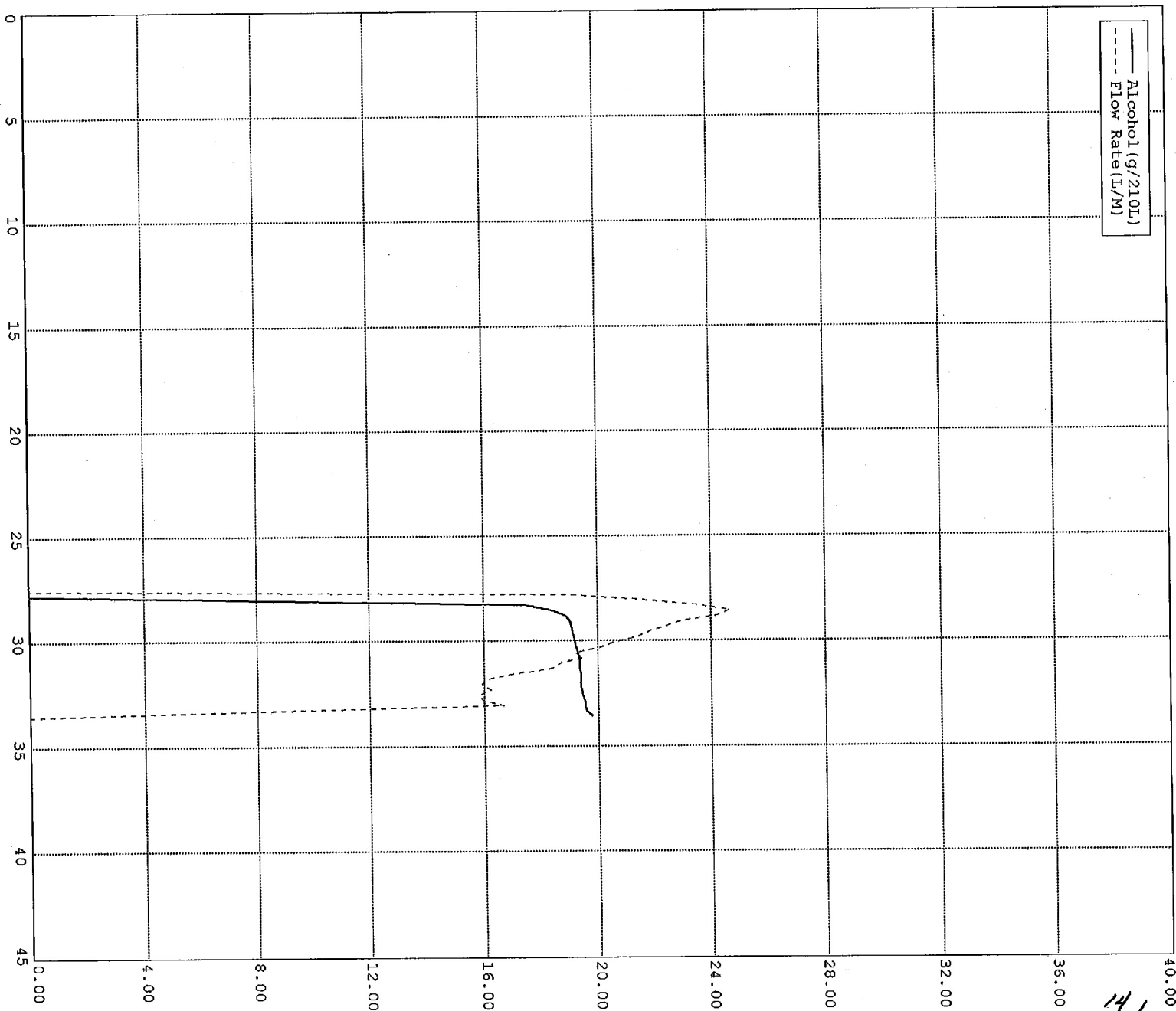
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.71: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:14
BLANK TEST	0.000	14:14
INTERNAL STANDARD	VERIFIED	14:14
EXTERNAL STANDARD	0.080	14:14
BLANK TEST	0.000	14:15
SUBJECT SAMPLE	INTERFERENCE	14:16

CS



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmtc: 100368

Date: 03/11/2011
 Time: 14:18:26

SUBJECT NAME:
 TEST TEST
 LICENSE #: INT - ACET

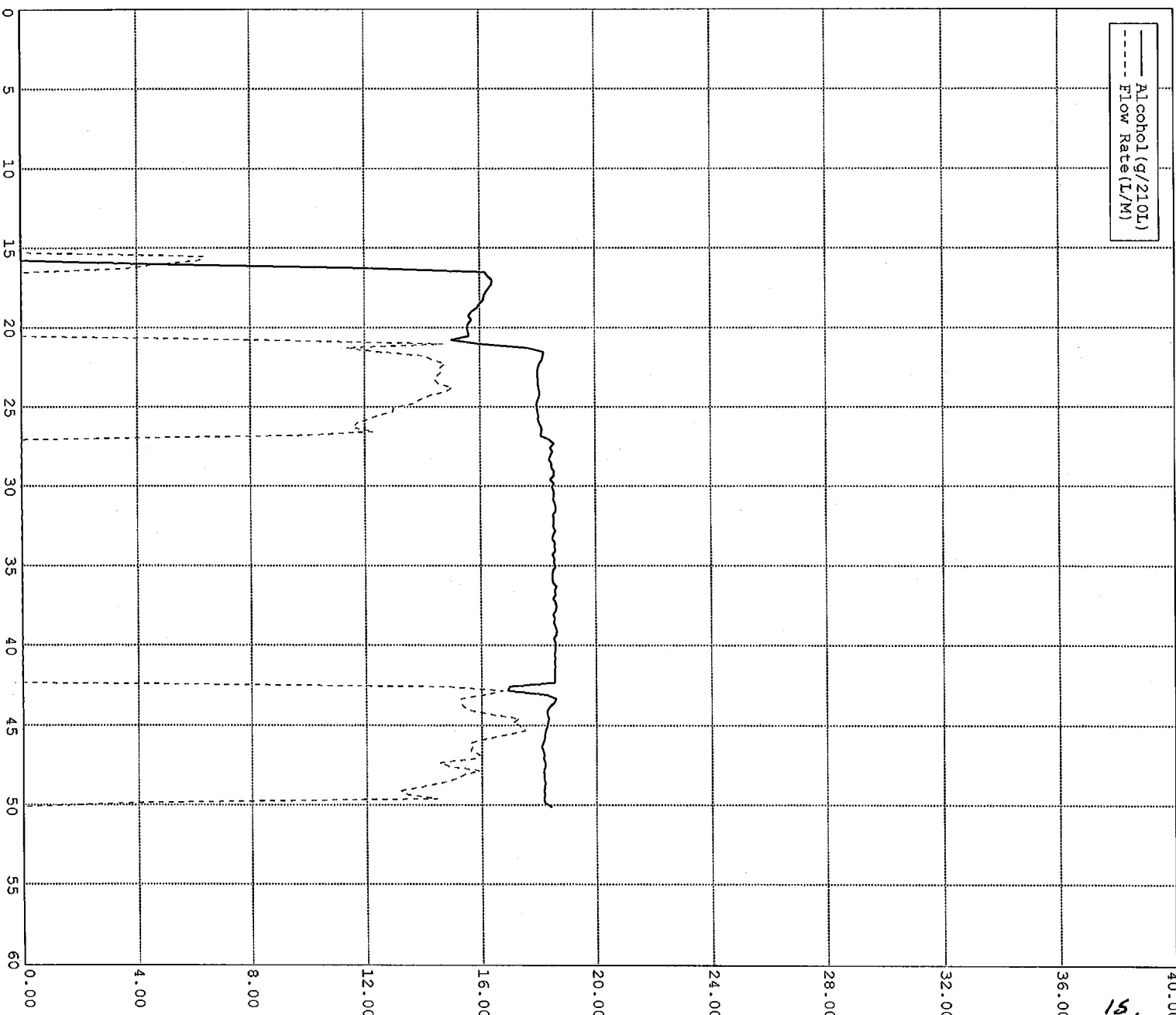
OPERATOR NAME:
 COLLEEN S OBRZYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAAA
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.70: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:19
BLANK TEST	0.000	14:19
INTERNAL STANDARD	VERIFIED	14:19
EXTERNAL STANDARD	0.081	14:19
BLANK TEST	0.000	14:21
SUBJECT SAMPLE	INTERFERENCE	14:22

CB



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100368

Date: 03/11/2011
 Time: 14:23:59

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

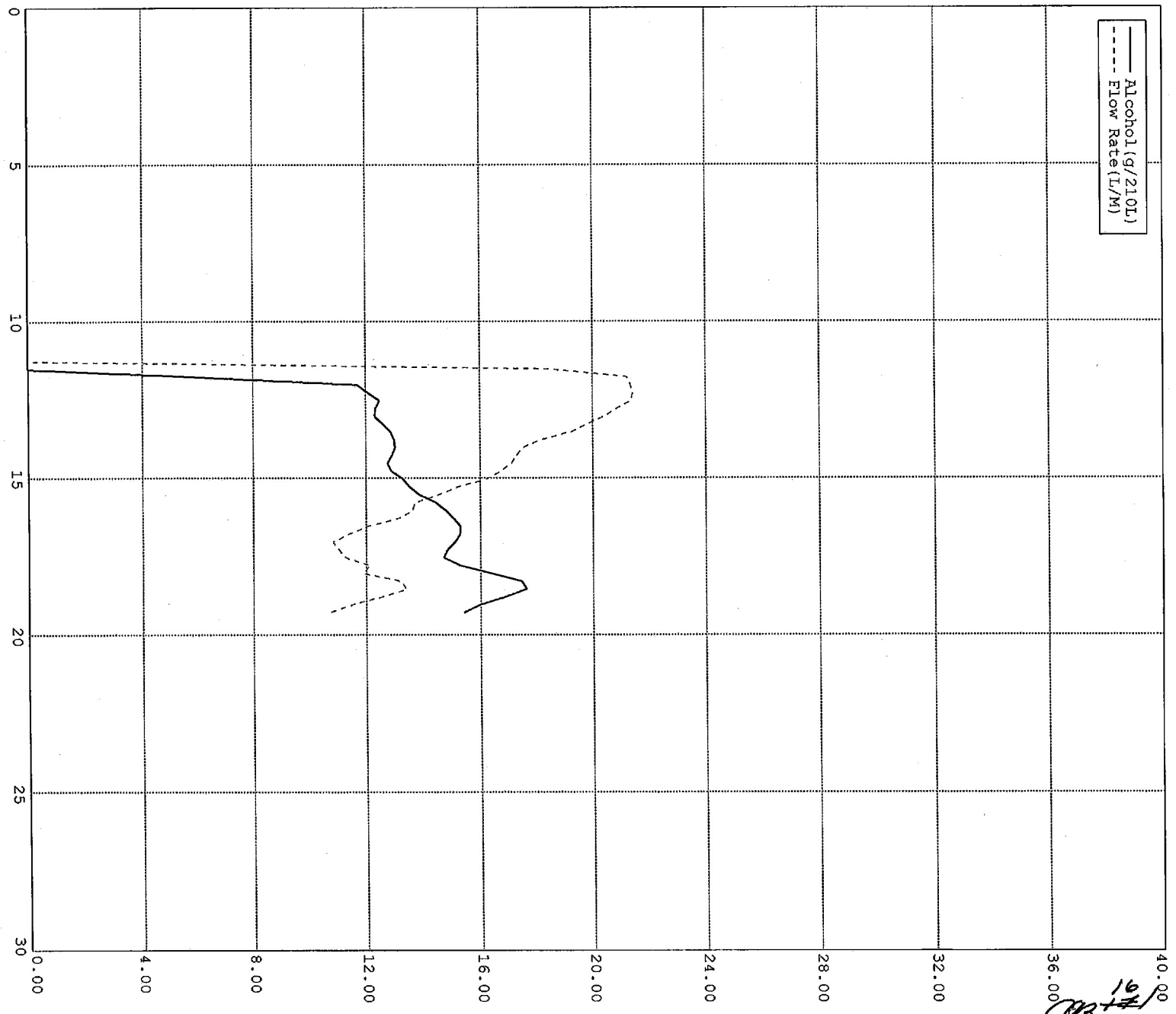
OPERATOR NAME:
 COLLEEN S BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.70: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:25
BLANK TEST	0.000	14:25
INTERNAL STANDARD	VERIFIED	14:25
EXTERNAL STANDARD	0.079	14:25
BLANK TEST	0.000	14:26
SUBJECT SAMPLE	Invalid	14:27

CB



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100368

Date: 03/11/2011
Time: 14:43:36

SUBJECT NAME:
TEST TEST
LICENSE #: RFI

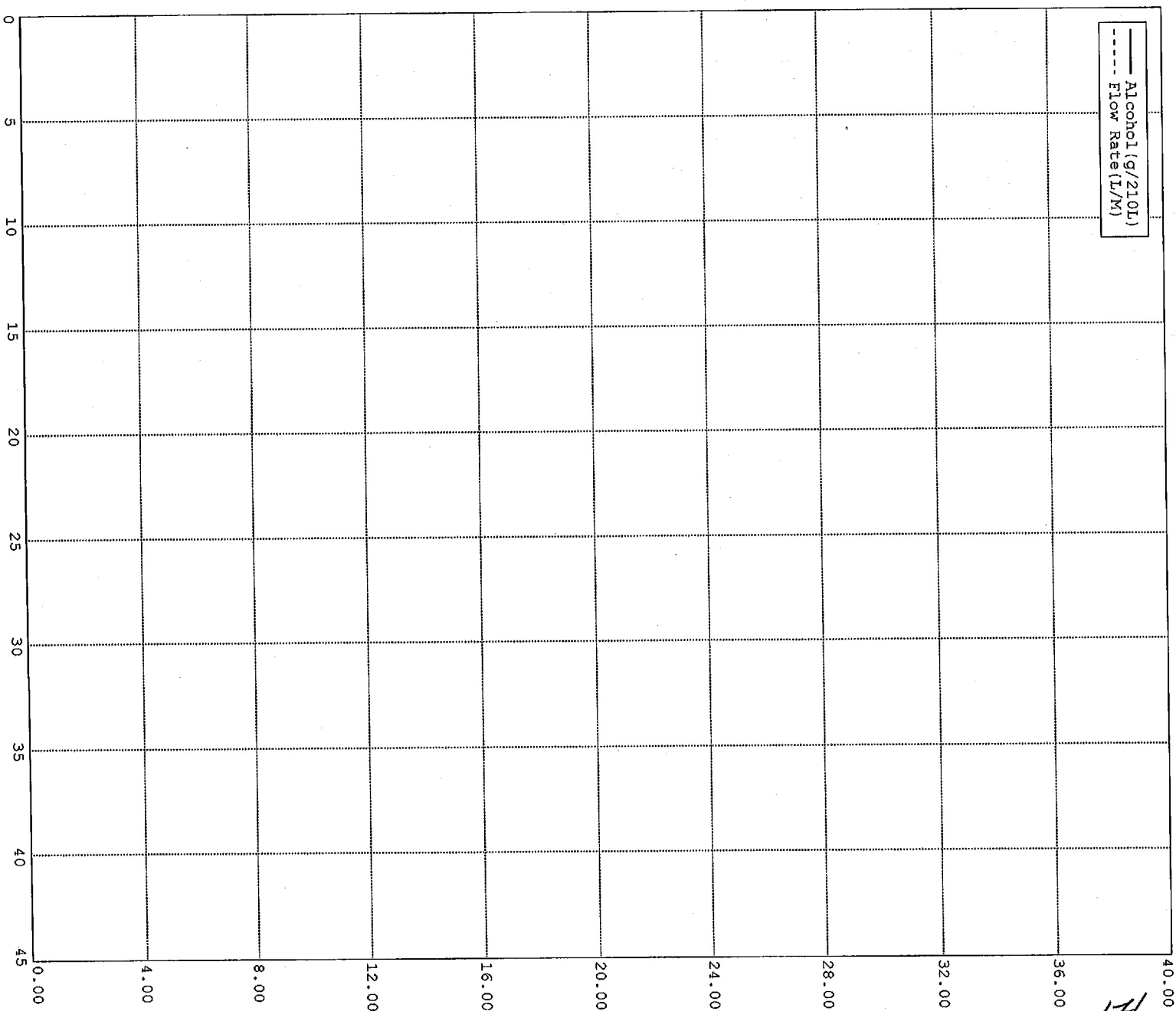
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAAI
CASE/REPORT: 11-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.70: 0.079
LOT #: 33609080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:44
BLANK TEST	0.000	14:44
INTERNAL STANDARD	VERIFIED	14:45
EXTERNAL STANDARD	0.080	14:45
BLANK TEST	0.000	14:46

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100368

Date: 03/14/2011
 Time: 10:25:29

SUBJECT NAME:
 TEST TEST
 LICENSE #: NON-DRINKING

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

DEPT/AGENCY:
 AAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.26: 0.078
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:26
BLANK TEST	0.000	10:26
INTERNAL STANDARD	VERIFIED	10:26
EXTERNAL STANDARD	0.079	10:26
BLANK TEST	0.000	10:27
SUBJECT SAMPLE	0.000	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.079	10:29
BLANK TEST	0.000	10:30

CB

