	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 # 100412

1. Diagnostic Test (attached)

Analyst CRF

2. Voltage Checks

Date 6/7/11

- 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 1500 mL

5. Dry Gas Linearity Test (attached)

- a. Levels Used ILMO
- i. 0.020g/210L Mnf ~~ILMO~~ CRF Lot 02811020A1 Exp 2/1/2013
 - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/2013
 - iii. 0.080g/210L Mnf ILMO Lot 33609090A1 Exp 1/1/12
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/2013
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/2013
 - vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 3/1/2013

6. Functional Tests (attached)

- a. Incomplete
- b. Invalid
- c. Interference
- i. Acetone - Mnf Replco Lot 09805 Level 0.080 Exp 11/4/2011
 1. Simulator Calibration Date 10/18/2010 SN DR6267
 - ii. Isopropanol - Mnf Replco Lot 09805 Level 0.080 Exp 11/4/2011
 1. Simulator Calibration Date 8/4/2010 SN SD1202

d. RFI 7. Calibrate Stylus 8. Verify card reader is functional 9. Upload 10. Reset Options

11. Non-Drinking Subject Test (attached)

1/18 CRF

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dnt: 100412

Date: 06/07/2011
Time: 14:17:07

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
Breath Tube = 48.0°C PASSED

PUMP INFO

Flow Rate = 5.095 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

2/18
CRF

Technician Screen

DATAMASTER dat: 100412

Date: 06/07/2011
Time: 2:25 PM

Temperatures (°C)
Sample Cell: 48.8°C
Breath Tube: 46.9°C

Current Barometer 30.0 in
Volume (Ltr) 1.53

Settings
Lamp: 1.92 V
Bias: 81 V
Cooler: 1.66 V
Chopper: 536 Hz

Voltages (V)
Flow: 1.05 V
Detector: -0.064 V

3/18
CAF

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100412

Date: 06/01/2011
Time: 09:28:11

SUPERVISOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

LOT #: REPC0100
BOTTLE #: 10003
EXPIRATION: 09/08/2012

Ca	=	0.1000			
CAL	=	0.959259	0.800	<=	CAL < 1.200
b1	=	0.0011	0.0000	<=	b1 < 0.0040
b2	=	0.0055	0.0010	<=	b2 < 0.0100
b3	=	0.0003	0.0000	<=	b3 < 0.0040
Xq	=	0.1030	0.0500	<=	Xq < 0.2000
a21	=	1.167183	1.050	<=	a21 < 1.300
a31	=	0.555798	0.300	<=	a31 < 0.800

4/18
CAF

SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY DATE: 100412

Date: 06/07/2011
 Time: 14:36:15

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

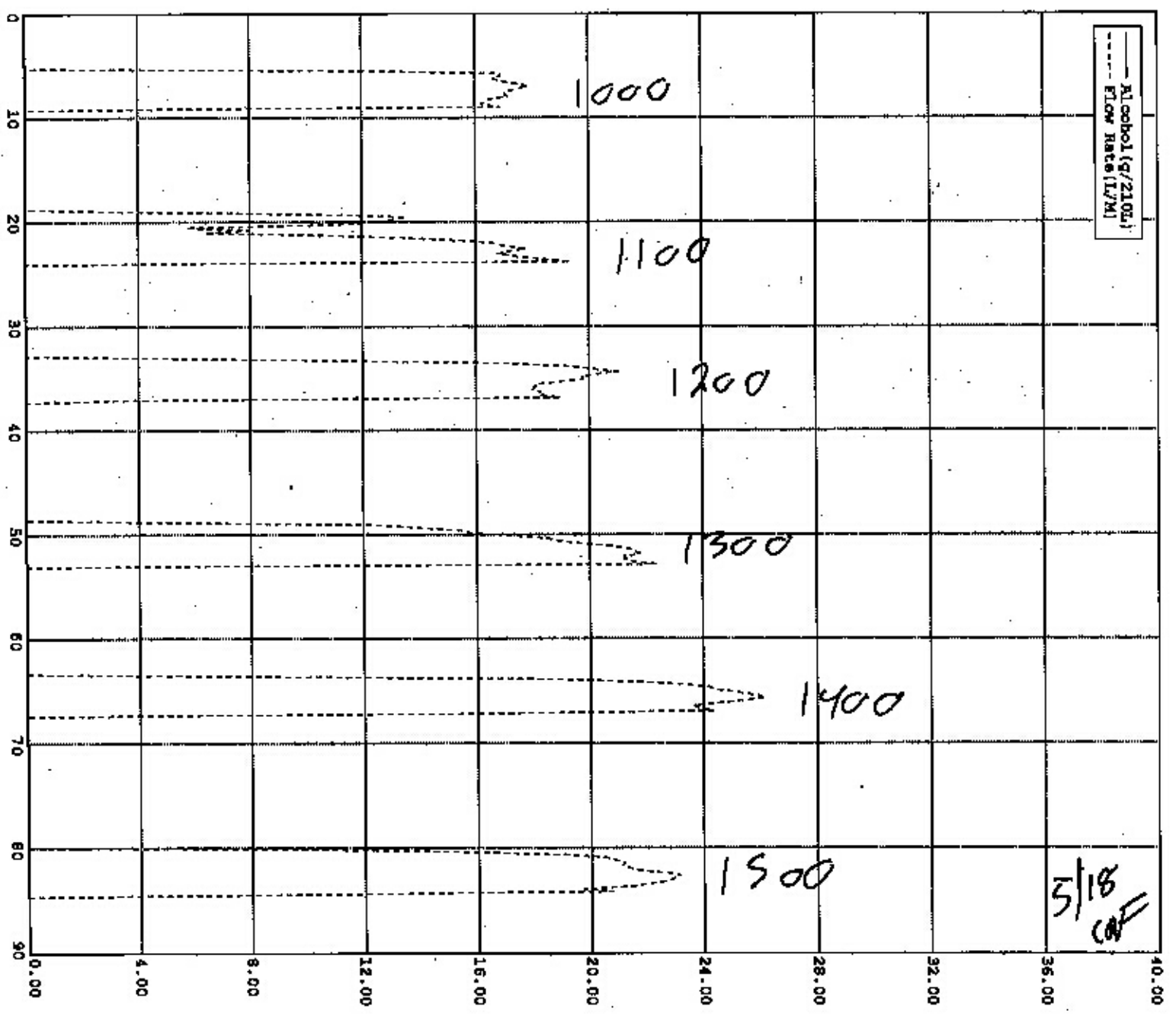
OPERATOR NAME:
 MISTION VOLUME
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.98: 0.080
 LOT #: 33609080AL
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:37
BLANK TEST	0.000	14:37
INTERNAL STANDARD	VERIFIED	14:37
EXTERNAL STANDARD	0.078	14:37
BLANK TEST	0.000	14:38
SUBJECT SAMPLE	0.000	14:40
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.078	14:41
BLANK TEST	0.000	14:42

CRF



LINEARITY CHECK

Alaska Department of Public Safety
 DATUMMASTER dmt: 100412

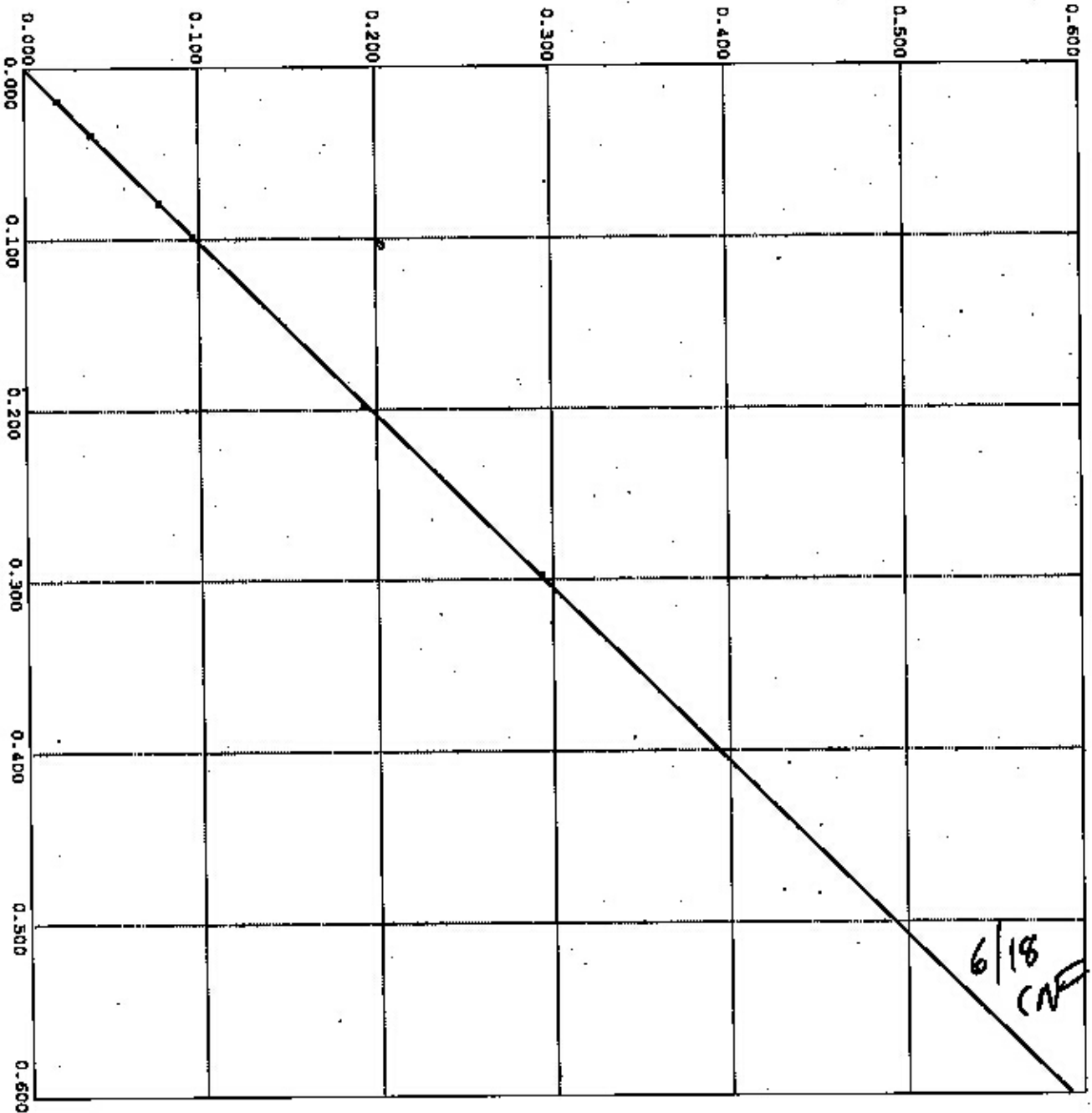
Date: 06/13/2011
 Time: 09:52:55

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0198	0.0004
0.039	0.0388	0.0004
0.079	0.0778	0.0004
0.099	0.0972	0.0004
0.198	0.1944	0.0011
0.297	0.2944	0.0019

SLOPE = 0.987511
 R: = 0.999964

CRF



LINEARITY CHECK: Control Test 1

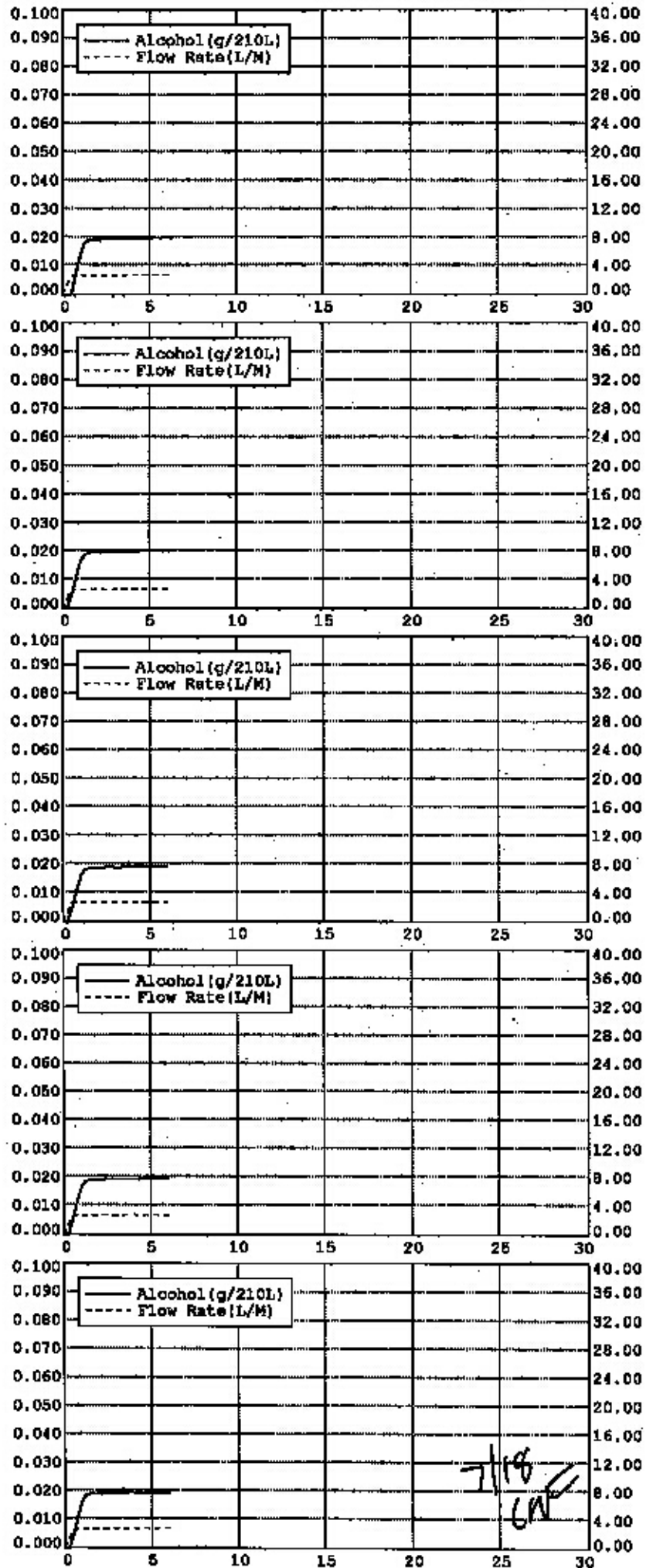
Alaska Department of Public Safety
 DATAMASTER dnt: 100412

Date: 06/13/2011
 Time: 09:52:57

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.64: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:54
INTERNAL STANDARD	VERIFIED	09:54
EXTERNAL STANDARD	0.020	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.020	09:55
BLANK TEST	0.000	09:56
EXTERNAL STANDARD	0.019	09:57
BLANK TEST	0.000	09:57
EXTERNAL STANDARD	0.020	09:58
BLANK TEST	0.000	09:59
EXTERNAL STANDARD	0.020	09:59
BLANK TEST	0.000	10:00

Average = 0.0198
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

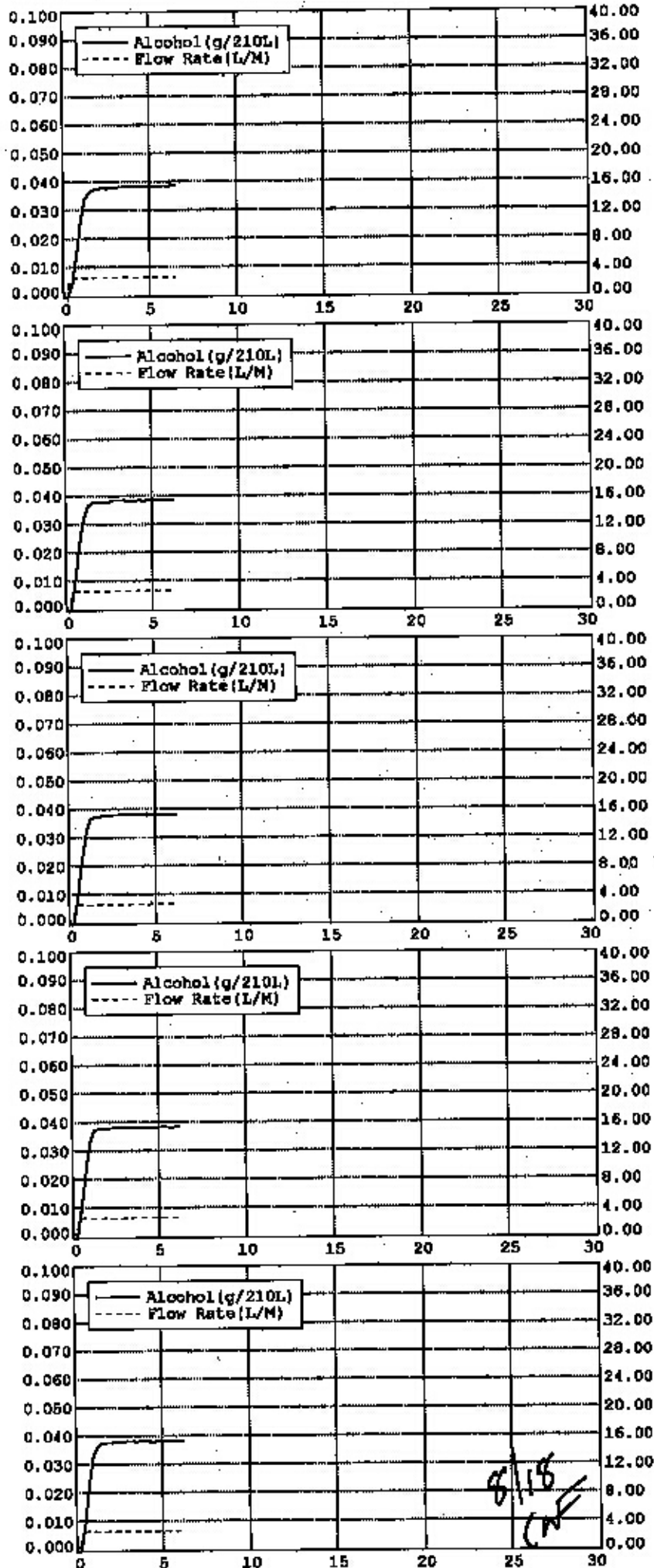
Alaska Department of Public Safety
 DATAMASTER dnt: 100412

Date: 06/13/2011
 Time: 10:00:47

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.65: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	10:02
INTERNAL STANDARD	VERIFIED	10:02
EXTERNAL STANDARD	0.039	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.039	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.038	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.039	10:05
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.039	10:06
BLANK TEST	0.000	10:07

Average = 0.0388
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

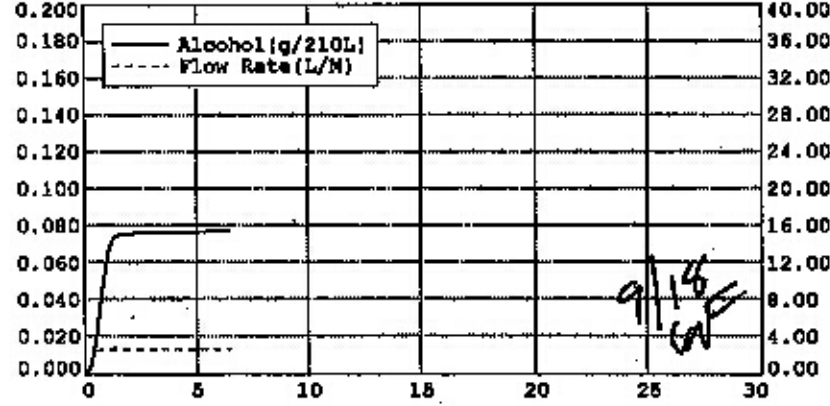
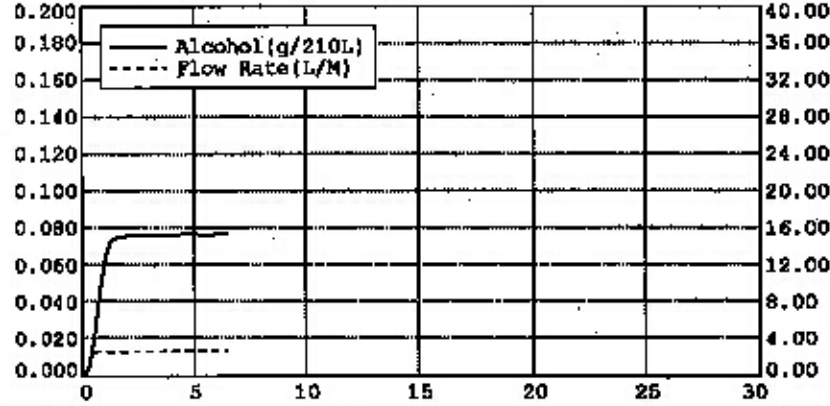
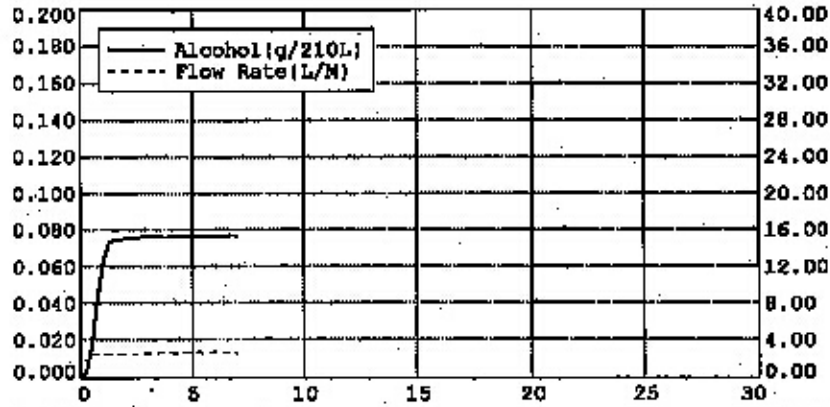
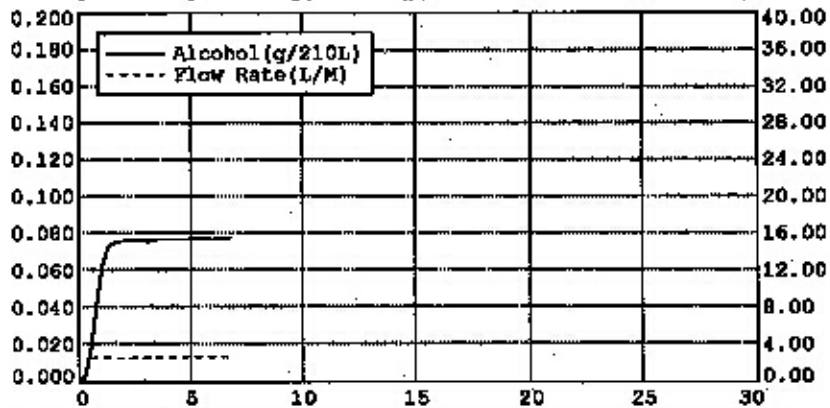
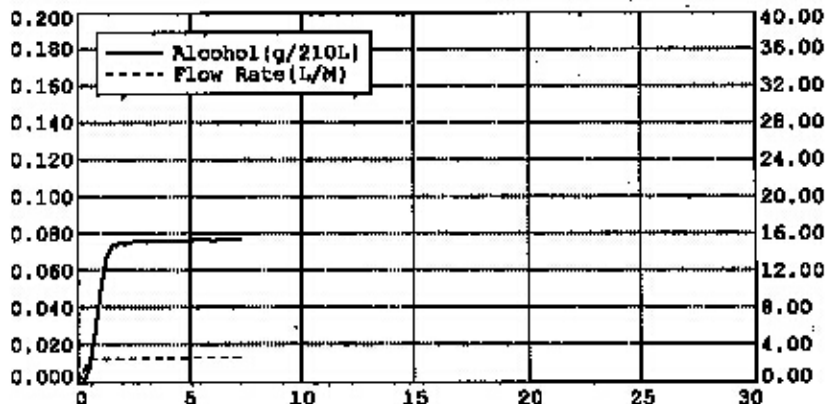
Alaska Department of Public Safety
 DATAMASTER dmt: 100412

Date: 06/13/2011
 Time: 10:08:49

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.64; 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

BLANK TEST	0.000	10:10
INTERNAL STANDARD	VERIFIED	10:10
EXTERNAL STANDARD	0.078	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.078	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.078	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.077	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.078	10:15
BLANK TEST	0.000	10:15

Average = 0.0778
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

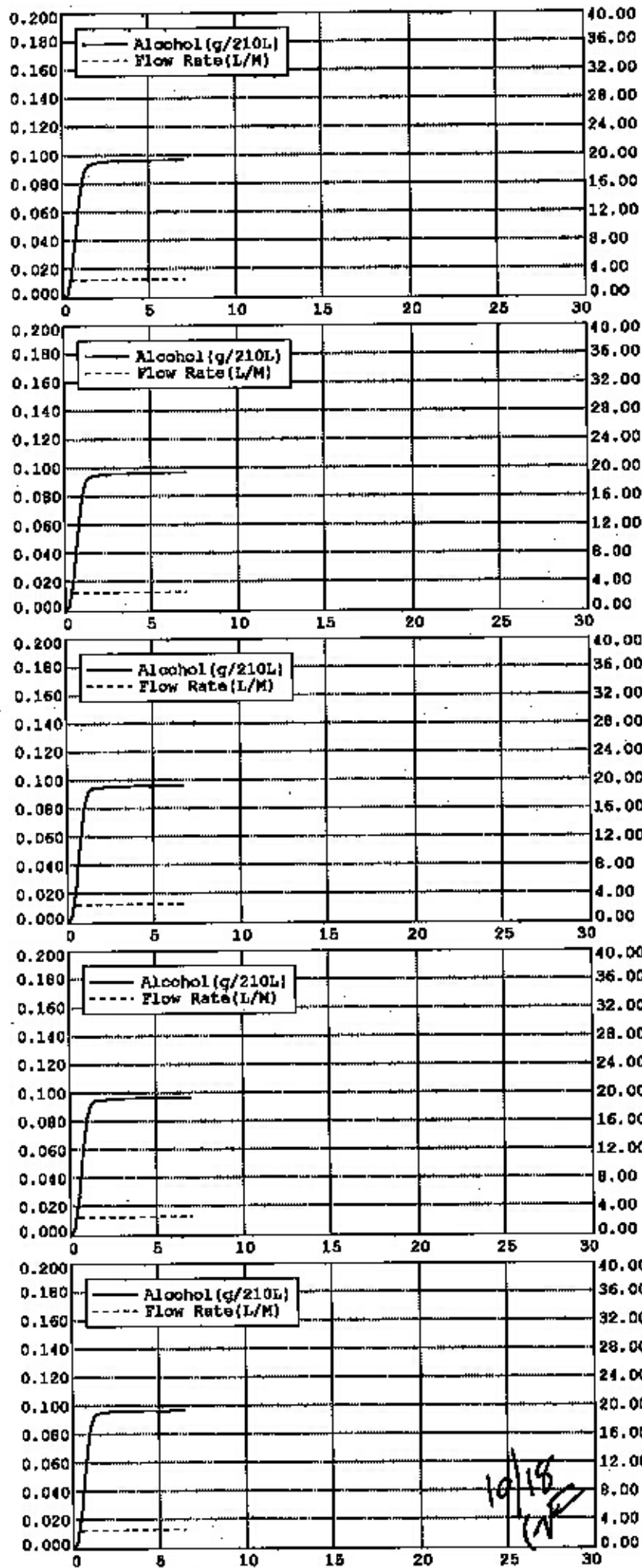
Alaska Department of Public Safety
 DATAMASTER dmt: 100412

Date: 06/13/2011
 Time: 10:16:54

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.64: 0.099
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:18
INTERNAL STANDARD	VERIFIED	10:18
EXTERNAL STANDARD	0.098	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.097	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.097	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.097	10:22
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.097	10:23
BLANK TEST	0.000	10:24

Average = 0.0972
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

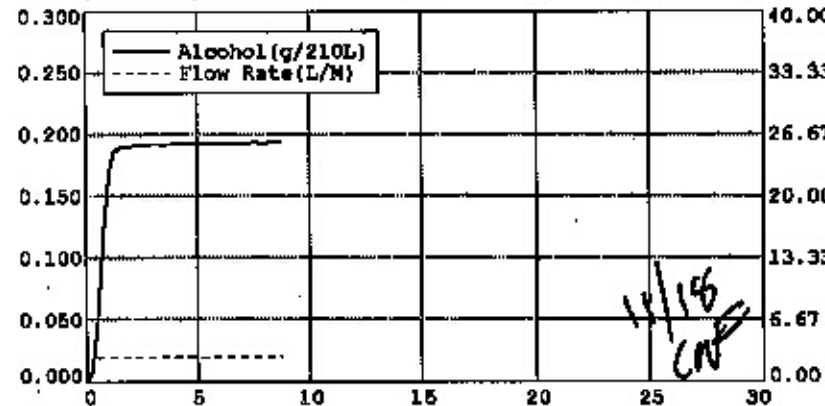
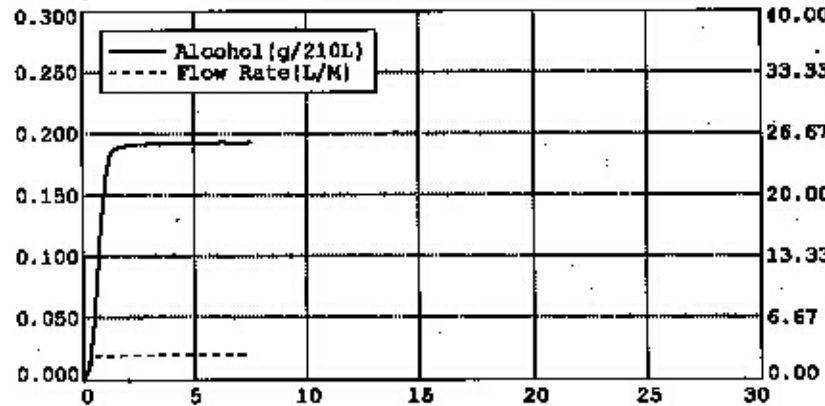
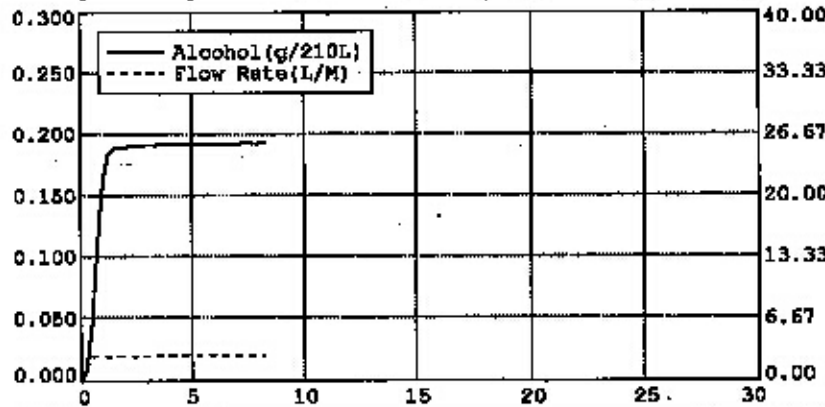
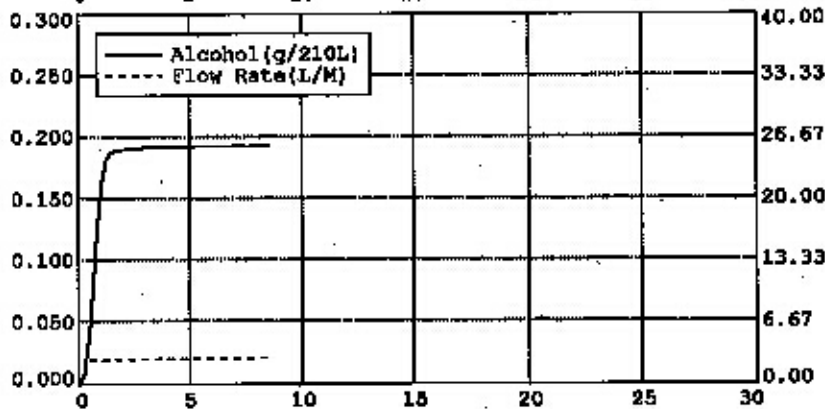
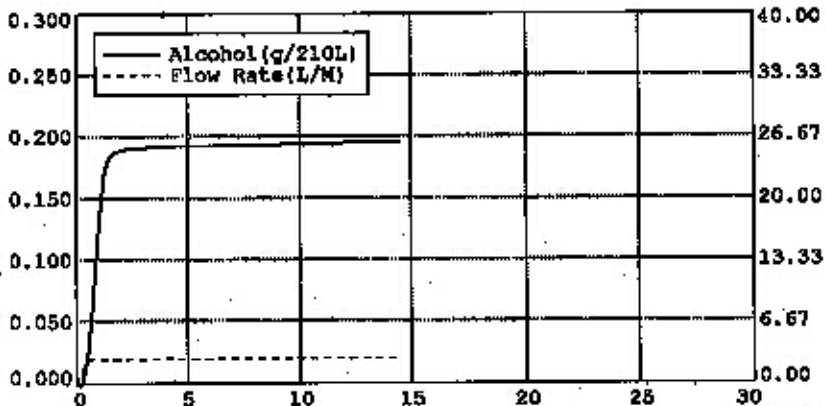
Alaska Department of Public Safety
 DATAMASTER dmt; 100412

Date: 06/13/2011
 Time: 10:25:04

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.65: 0.198
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:26
INTERNAL STANDARD	VERIFIED	10:26
EXTERNAL STANDARD	0.196	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.194	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.193	10:29
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.194	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.195	10:31
BLANK TEST	0.000	10:32

Average = 0.1944
 Std Dev = 0.0011



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dnt: 100412

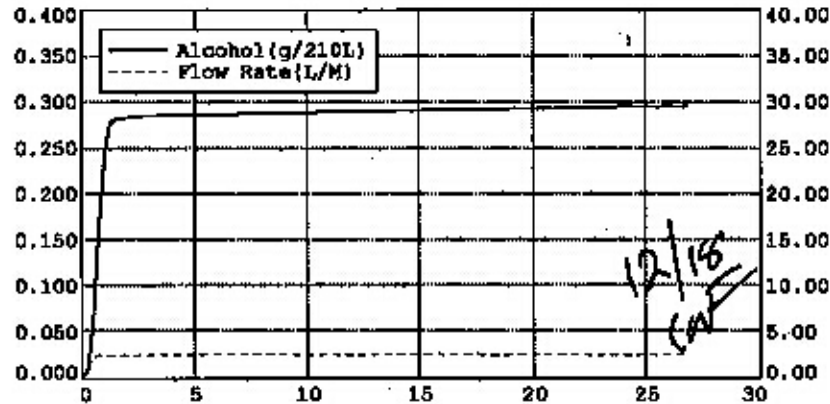
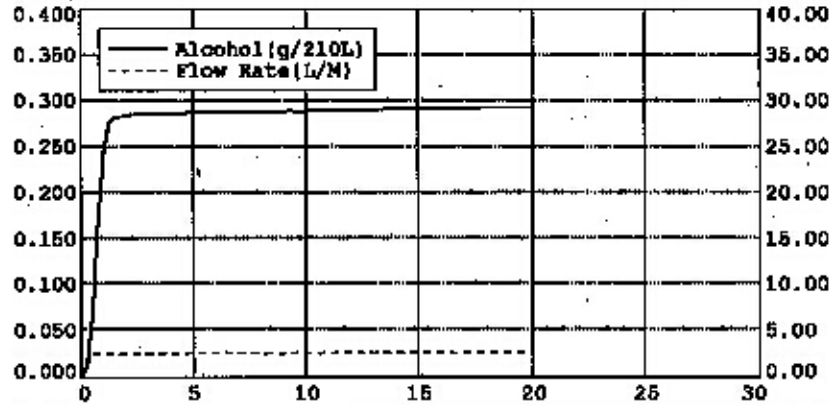
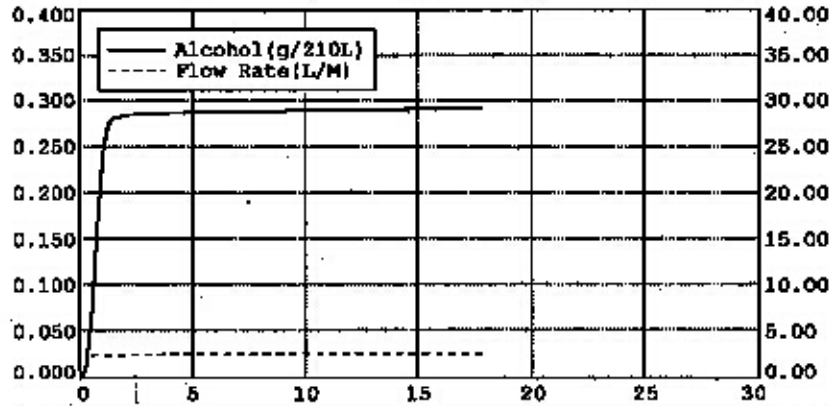
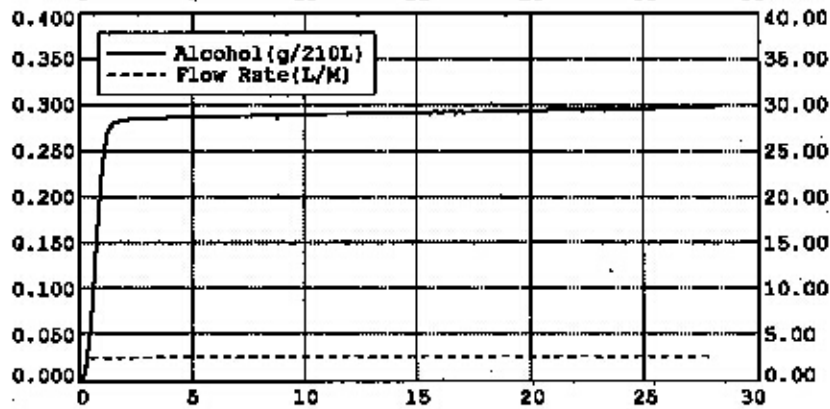
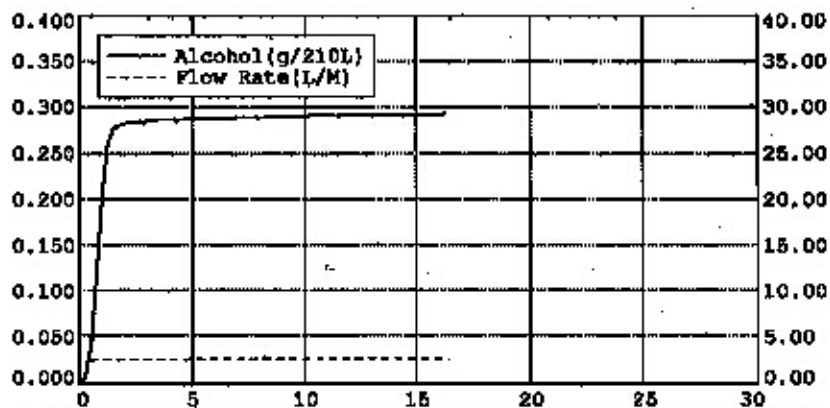
Date: 06/13/2011
Time: 10:33:25

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.65: 0.297
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:34
INTERNAL STANDARD	VERIFIED	10:35
EXTERNAL STANDARD	0.294	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.297	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.292	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.294	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.295	10:41
BLANK TEST	0.000	10:42

Average = 0.2944
Std Dev = 0.0018



SUBJECT TEST

Alaska Department of Public Safety
 DATABASES dnr: 100412

Date: 06/13/2011
 Time: 10:48:32

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

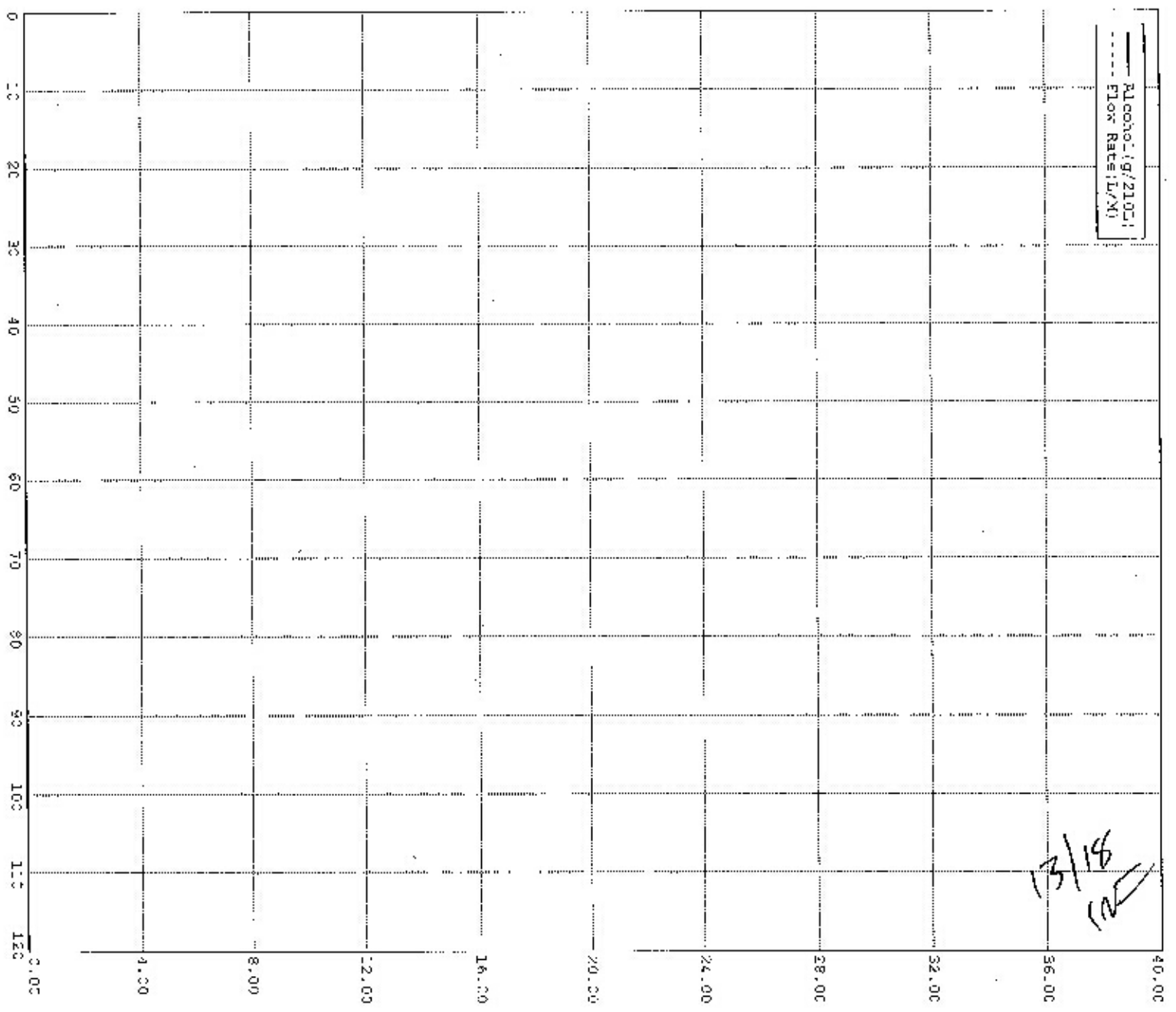
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.083
 TARGET RT 29.6s: 0.079
 LOT #: 33809080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.078	10:50
BLANK TEST	0.000	10:50
SUBJECT SAMPLE	INCOMPLETE	10:53

CRF



SUBJECT TEST

Alaska Department of Public Safety
INSTRUMENT ID#: 100412

Date: 06/13/2011
Time: 10:55:09

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

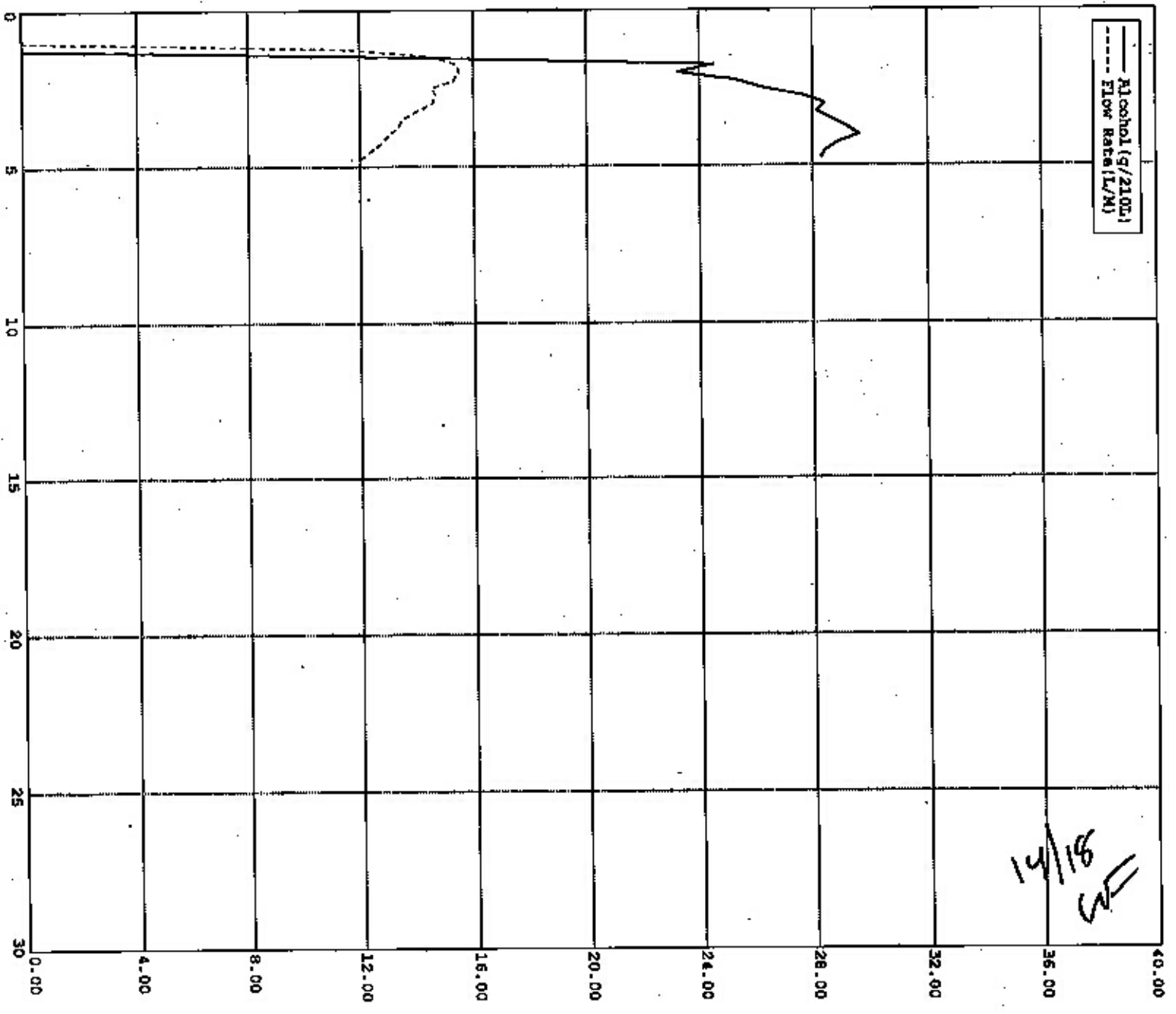
OPERATOR NAME:
INVALID FROM MOUTH BLOW
OPERATOR'S #: XXXX

DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: 33609080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:56
BLANK TEST	0.000	10:56
INTERNAL STANDARD	0.079	10:56
EXTERNAL STANDARD	0.000	10:57
BLANK TEST	INVALID	10:57
SUBJECT SAMPLE		

CRF



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY DATE: 100412

Date: 06/13/2011
 Time: 11:01:17

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

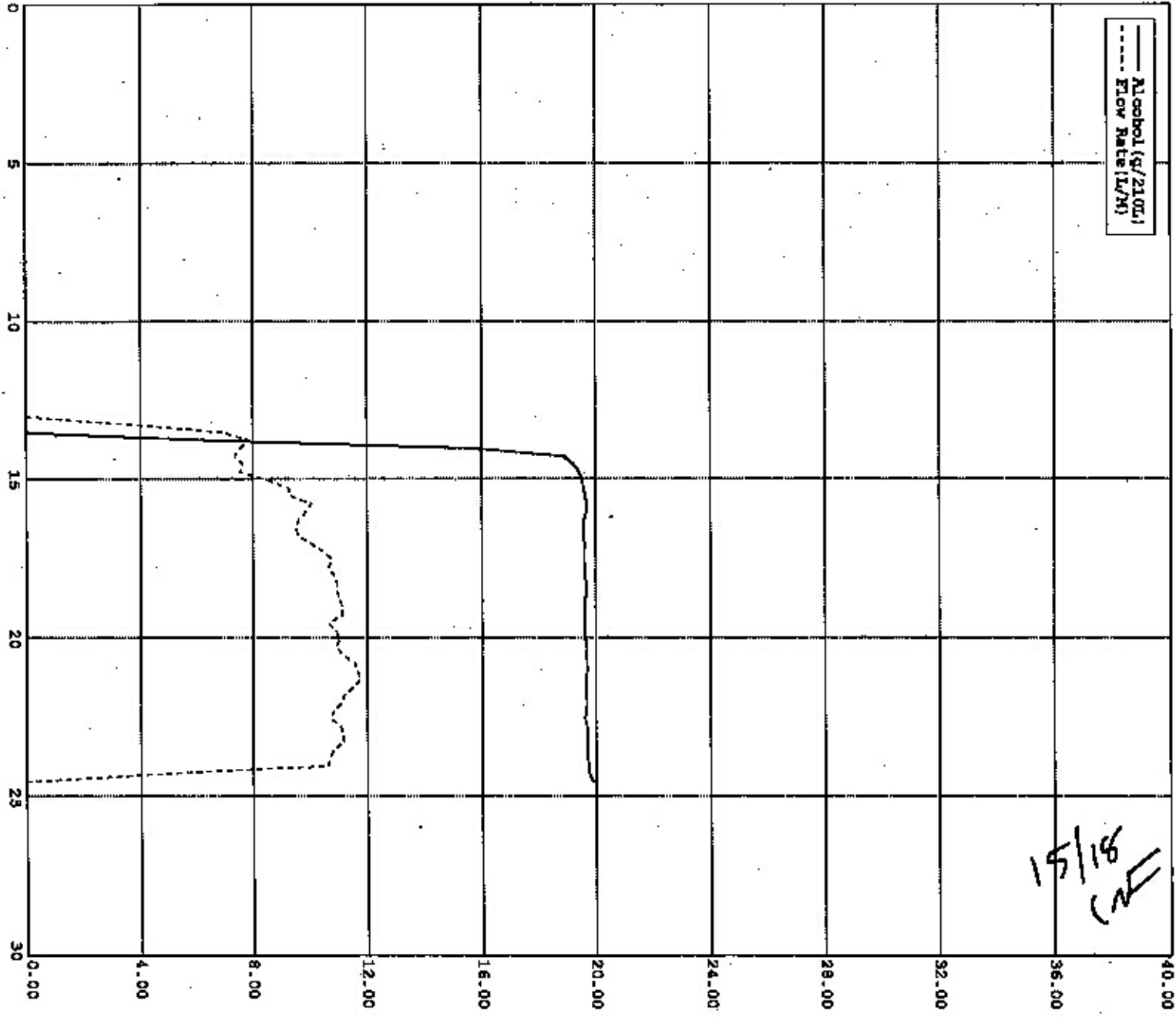
OPERATOR NAME:
 INTERFERENCE FROM AND AGENCY
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.64: 0.079
 LOT #: 33609080M1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	11:02
BLANK TEST	0.000	11:02
INTERNAL STANDARD	VERIFIED	11:02
EXTERNAL STANDARD	0.076	11:02
BLANK TEST	0.000	11:03
SUBJECT SAMPLE	INTERFERENCE	11:04

CRF



15/18
 (2)
 [Signature]

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER date: 100412

Date: 06/13/2011
 Time: 11:06:24

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

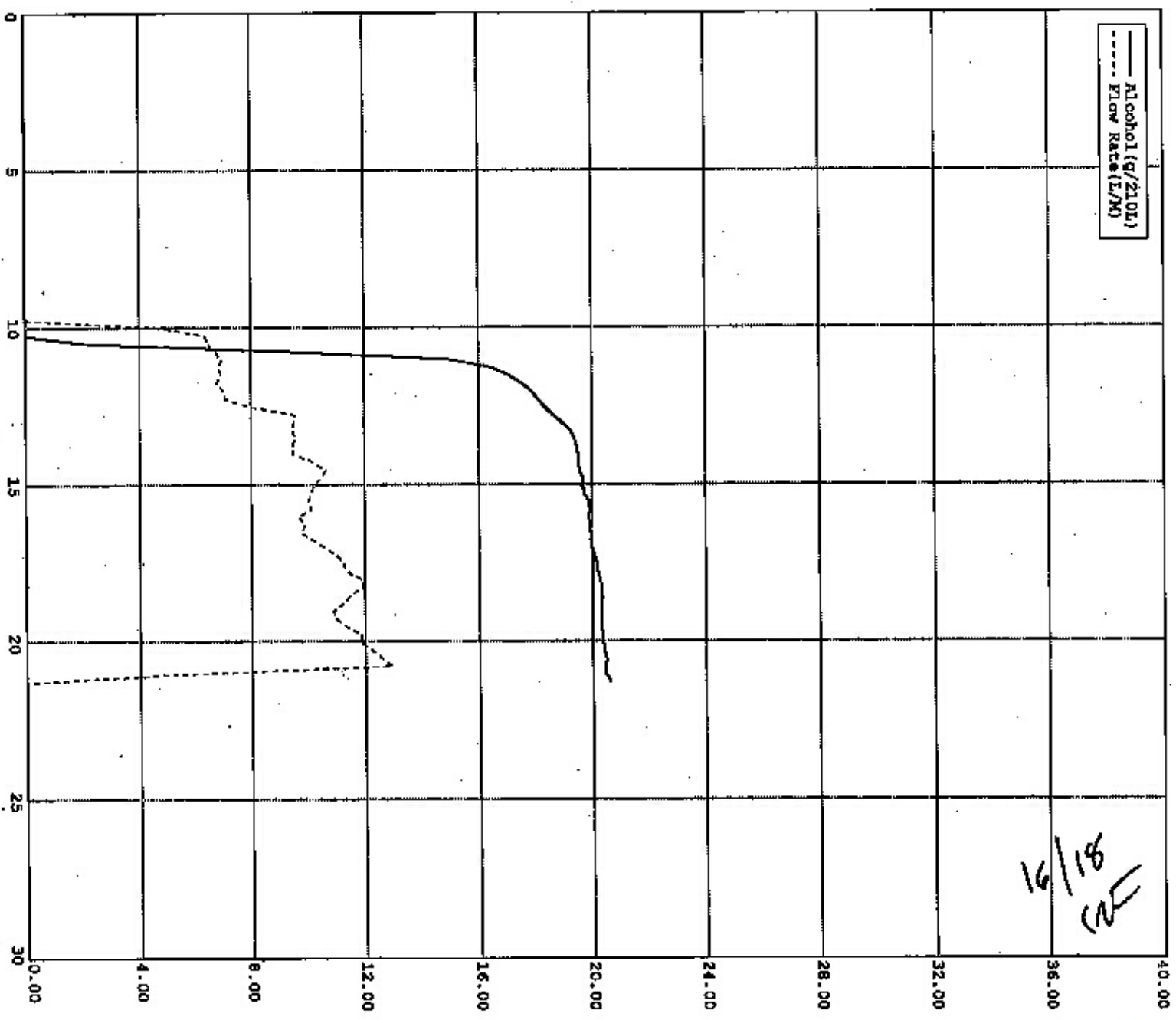
OPERATOR NAME:
 INTERFERENCE ETOE AND TPA
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.65: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	11:07
BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.079	11:07
BLANK TEST	0.000	11:08
SUBJECT SAMPLE	INTERFERENCE	11:09

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DWYANSTER dact: 100412

Date: 06/13/2011
 Time: 11:12:01

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

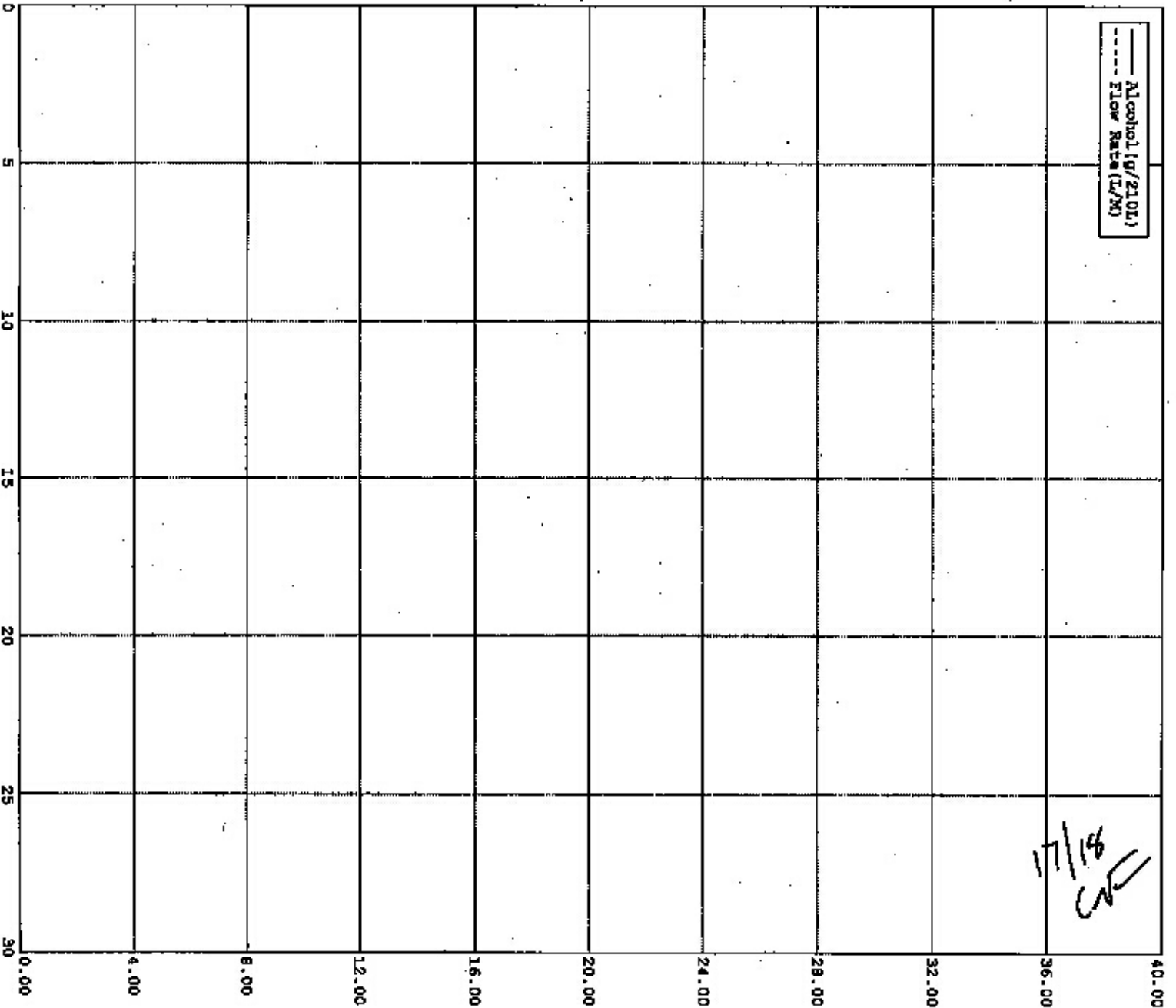
OPERATOR NAME:
 RFI XXXX
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 25.54: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK
 BLANK TEST PASSED 11:13
 INTERNAL STANDARD VERIFIED 11:13
 EXTERNAL STANDARD 0.079 11:13
 BLANK TEST 0.000 11:14

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATABASE# dnt: 100412

Date: 06/13/2011
 Time: 11:26:17

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

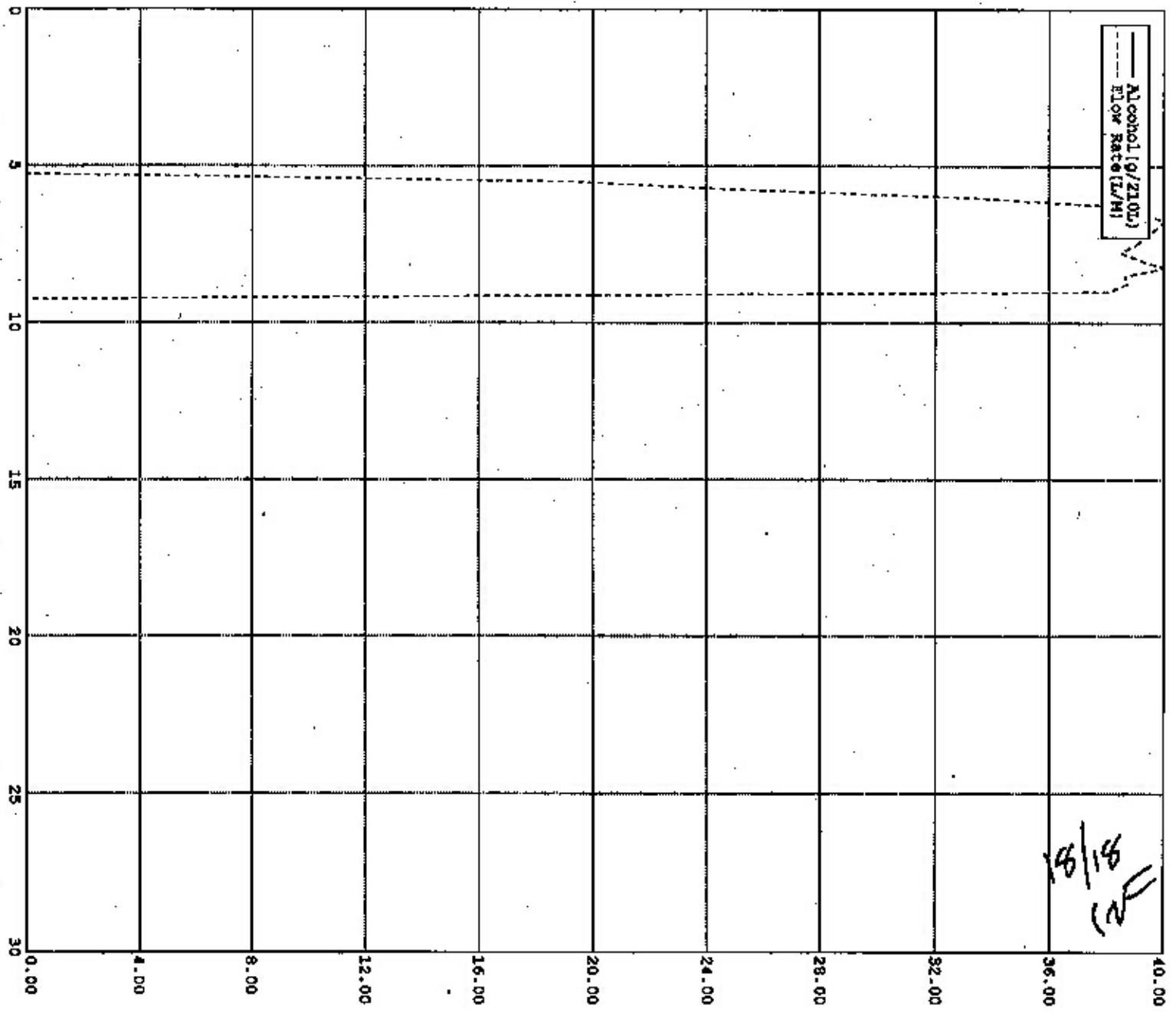
OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 INTERNAL: 0.080
 TARGET AT 29.64: 0.079
 TOP #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	11:29
BLANK TEST	0.000	11:29
INTERNAL STANDARD	VERIFIED	11:29
EXTERNAL STANDARD	0.078	11:29
BLANK TEST	0.000	11:30
SUBJECT SAMPLE	0.000	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.078	11:32
BLANK TEST	0.000	11:32

CRF



Final page for report

\

\\ANCSCLSAN01\JTRAX\CASEDOCS\B-100412\B-100412_ECF-20140

2/18/2014