

	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 #/ 100396

Analyst CAF

Date 6/21/11

- 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 500 mL
- 5. Dry Gas Linearity Test (attached)

- a. Levels Used
 - i. 0.020g/210L Mnf ILMO 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 02511080A2 Exp 2/1/2013
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/2013
 - v. 0.200g/210L Mnf ILMO Lot 02811200A3 Exp 2/1/2013
 - 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 Repro Lot 09805 Level 0.080 Exp 11/4/2011
 - 1. Simulator Calibration Date 10/18/2010 SN DR6267
 - ii. Isopropanol - Mnf Repro Lot 09805 Level 0.080 Exp 11/4/2011
 - 1. Simulator Calibration Date 8/4/2010 SN SP1202

d. RFI

- 7. Calibrate Stylus
- 8. Verify card reader is functional
- 9. Upload
- 10. Reset Options
- 11. Non-Drinking Subject Test (attached)

1/18 CAF

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100396

Date: 06/21/2011
Time: 09:49:42

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

TEMPERATURES

Sample Chamber = 40.1°C	PASSED
Breath Tube = 40.1°C	PASSED

PUMP INFO Flow Rate = 5.470 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 CNE

Technician Screen

DATAMASTER dnt: 100396

Date: 06/21/2011
Time: 9:58 AM

Temperatures (°C)
Sample Cell: 48.6°C
Breath Tube: 47.6°C

Current Barometer 29.9 in
Volume (Ltr) 1.49

Settings
Lamp: 1.96 V
Bias: 80 V
Cooler: 1.78 V
Chopper: 534 Hz

Voltages (V)
Flow: 1.08 V
Detector: 0.094 V

3/18 CNF

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dat: 100396

Date: 04/28/2011
Time: 15:10:13

Ca	=	0.1000		
CAL	=	1.000368	0.800	<= CAL < 1.200
b1	=	0.0000	0.0000	<= b1 < 0.0040
b2	=	0.0052	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.1073	0.0500	<= Xq < 0.2000
a21	=	1.177777	1.050	<= a21 < 1.300
a31	=	0.424440	0.300	<= a31 < 0.800

4/18 CF

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100396

Date: 06/21/2011
 Time: 10:19:46

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

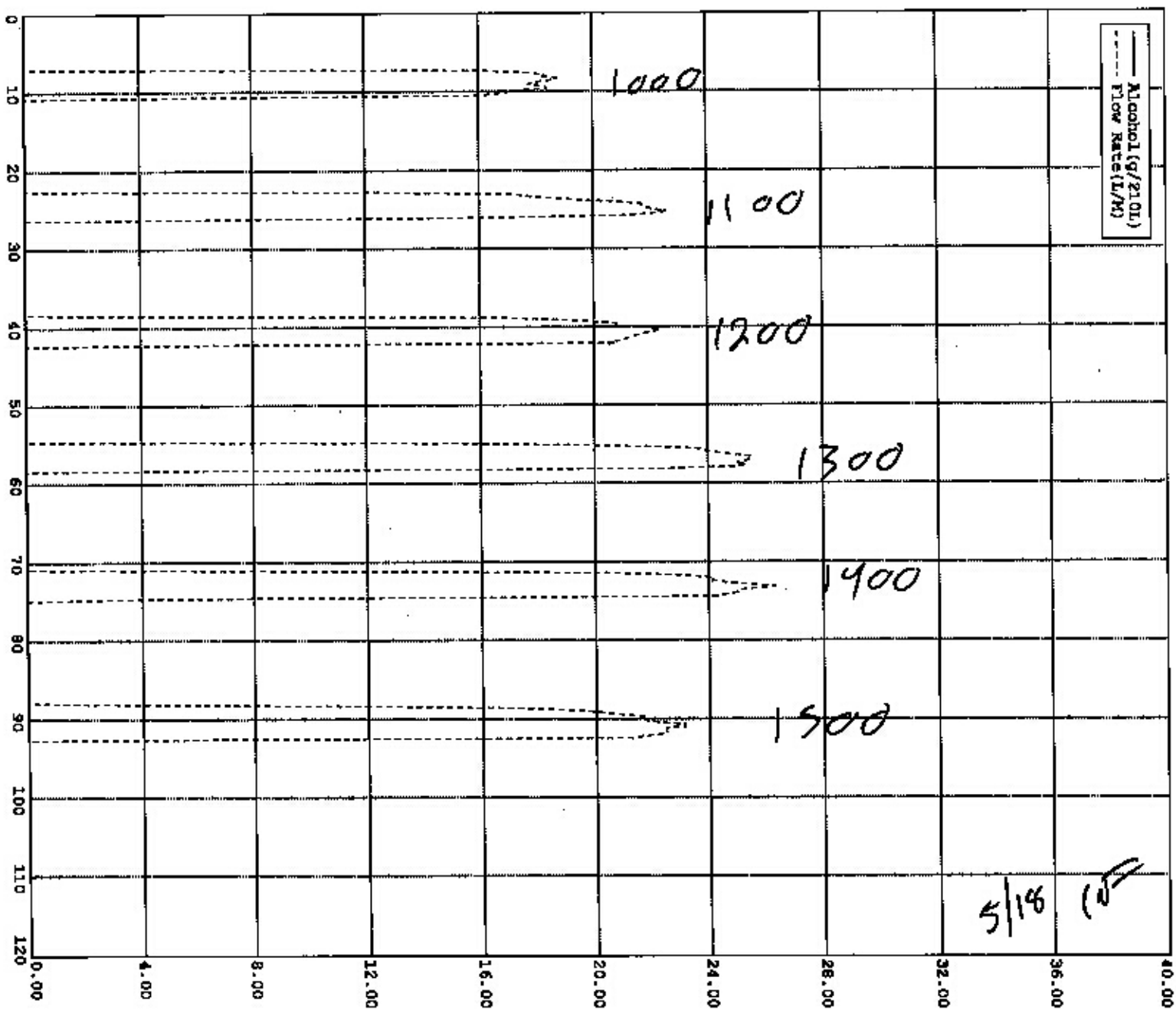
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.86: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	10:20
INTERNAL STANDARD	0.000	10:20
EXTERNAL STANDARD	0.081	10:21
BLANK TEST	0.000	10:22
SUBJECT SAMPLE	0.000	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.081	10:24
BLANK TEST	0.000	10:25

CRF



LINEARITY CHECK

Alaska Department of Public Safety
 DAFNMASTER dmc: 100396

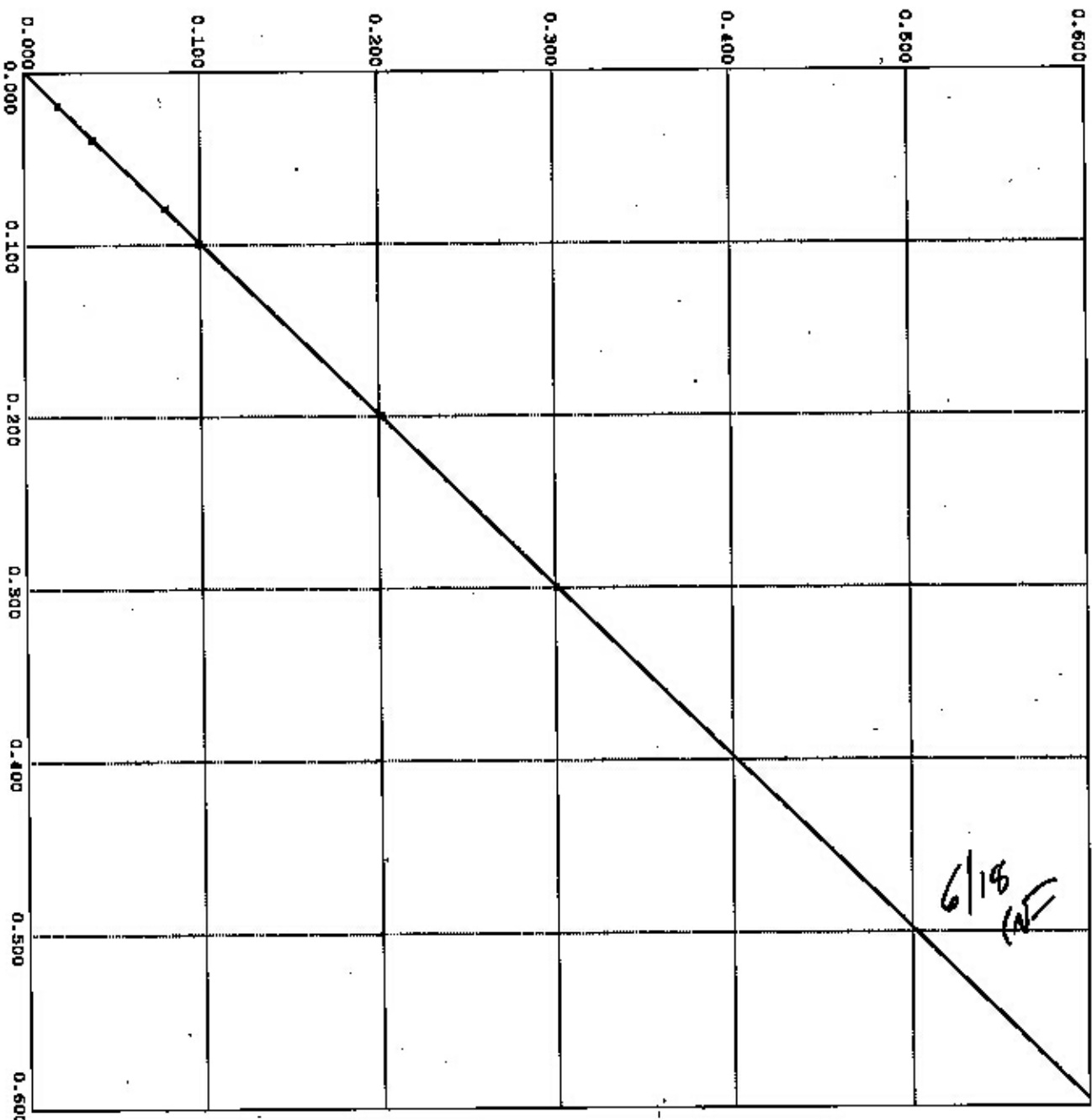
Date: 06/21/2011
 Time: 10:37:47

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7134

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.039	0.0400	0.0000
0.079	0.0810	0.0000
0.099	0.1002	0.0004
0.199	0.2024	0.0011
0.299	0.3010	0.0007

SLOPE = 1.005473
 R* = 0.999978

CRF



LINEARITY CHECK: Control Test 1

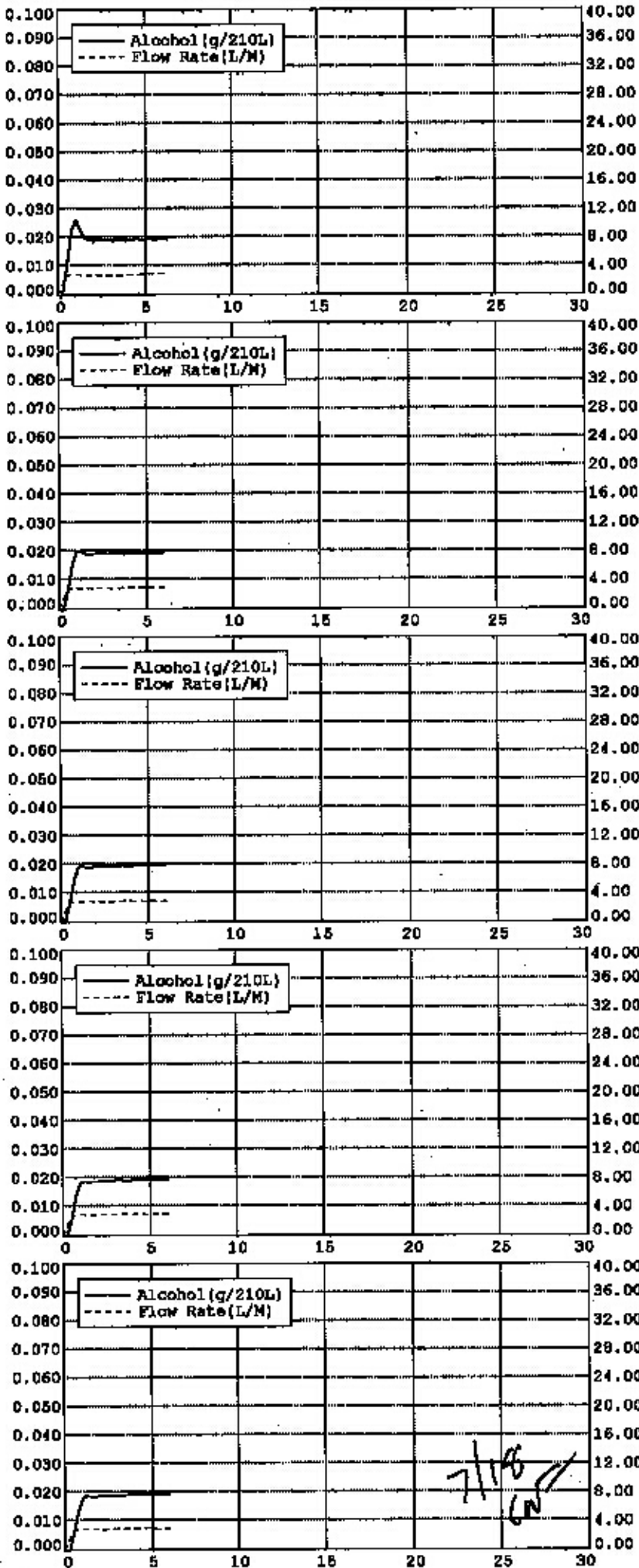
Alaska Department of Public Safety
 DATA MASTER dat: 100396

Date: 06/21/2011
 Time: 10:37:48

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.87: 0.019
 LOT #: 02011020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	10:39
INTERNAL STANDARD	VERIFIED	10:39
EXTERNAL STANDARD	0.020	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.020	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.020	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.020	10:43
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.020	10:44
BLANK TEST	0.000	10:45

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

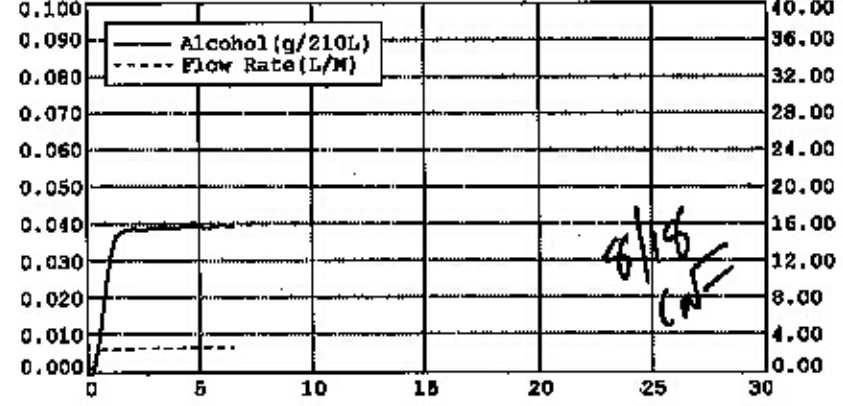
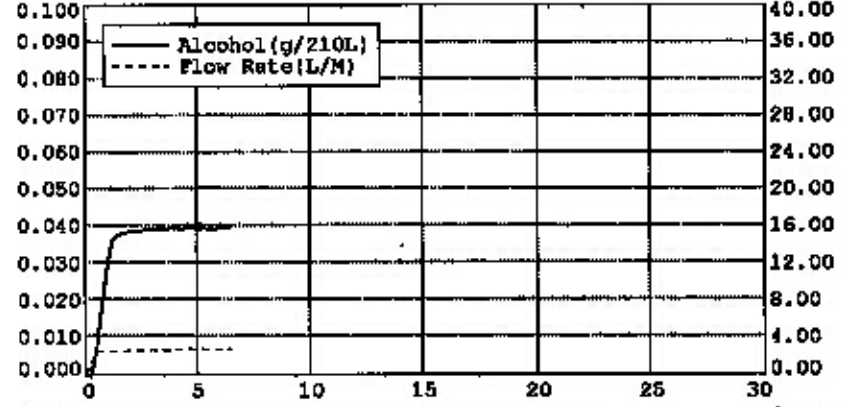
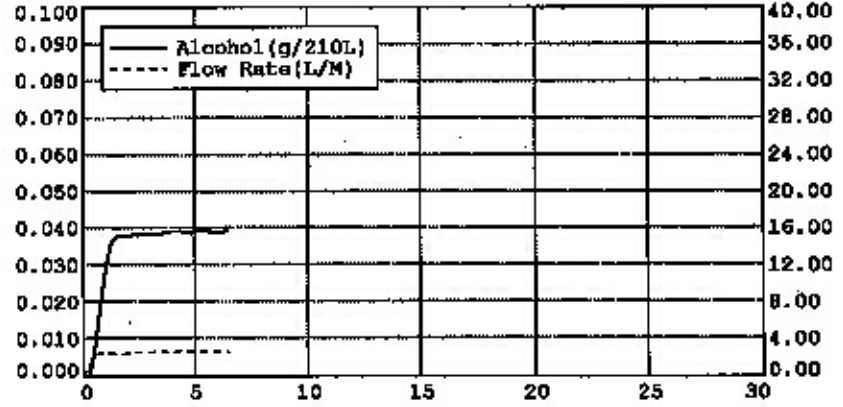
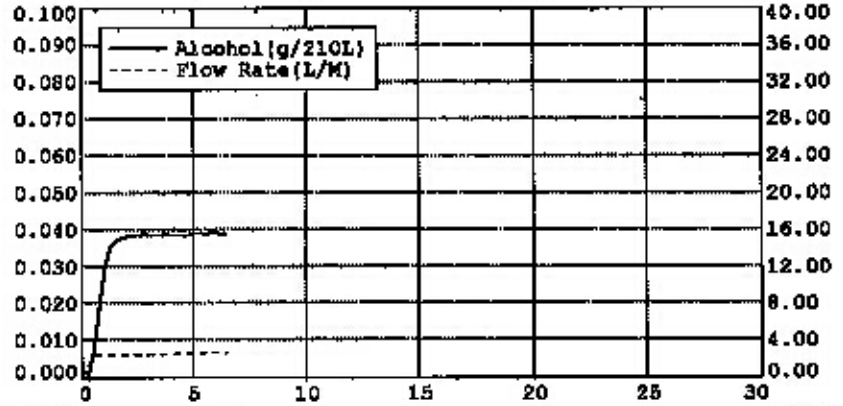
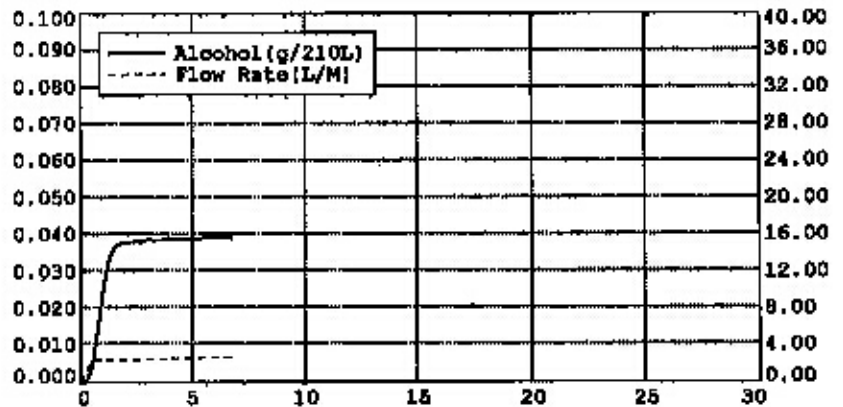
Alaska Department of Public Safety
 DATAMASTER dmt; 100396

Date: 06/21/2011
 Time: 10:46:05

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.86: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	10:47
INTERNAL STANDARD	VERIFIED	10:47
EXTERNAL STANDARD	0.040	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.040	10:49
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.040	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.040	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.040	10:52
BLANK TEST	0.000	10:53

Average = 0.0400
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

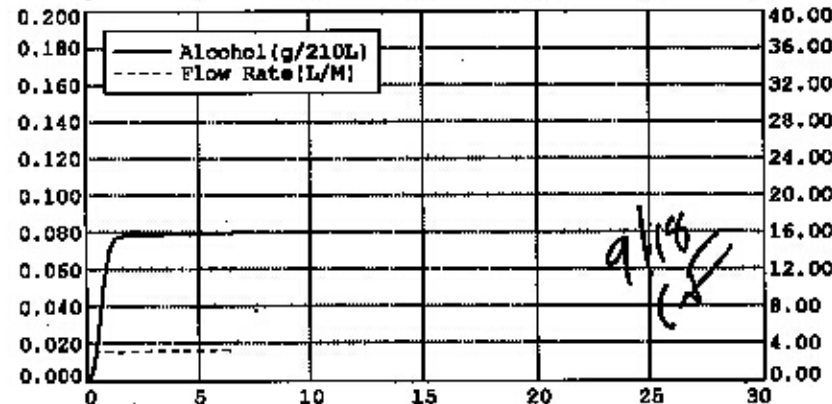
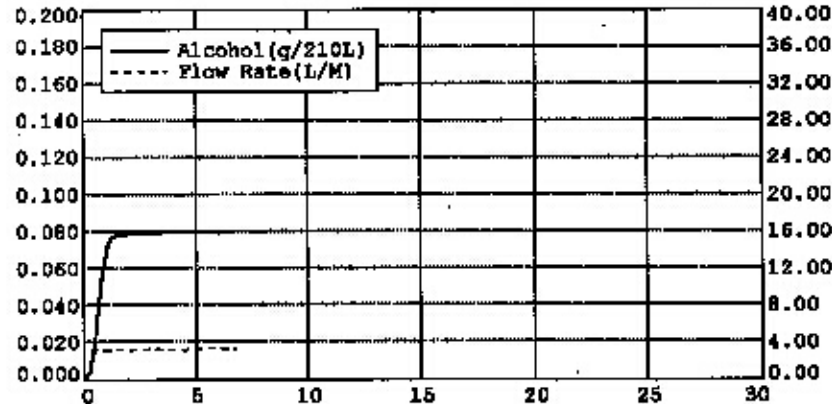
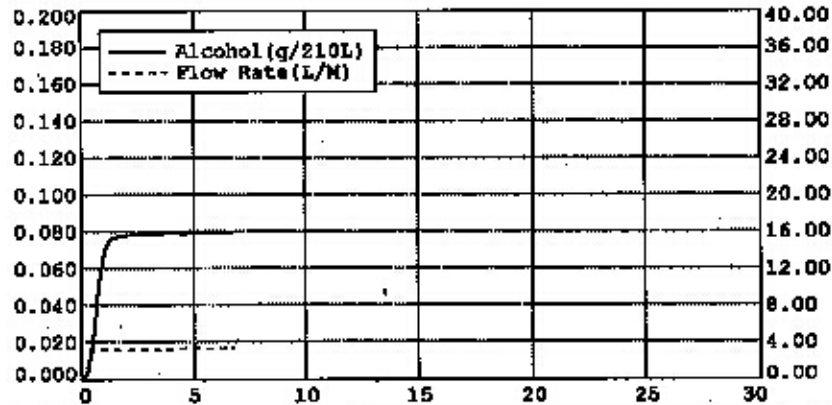
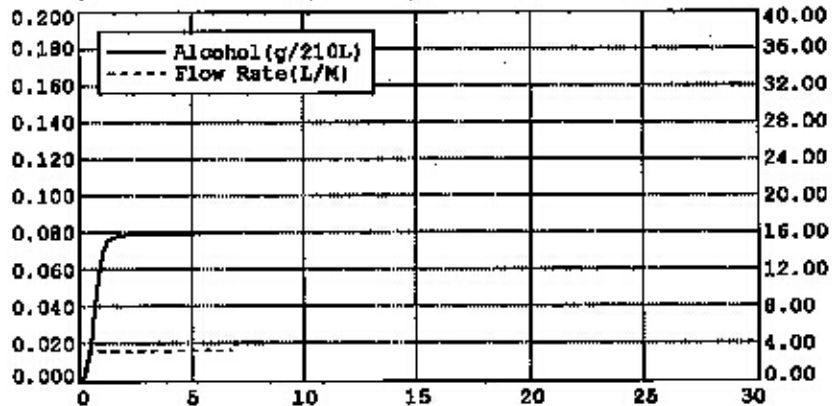
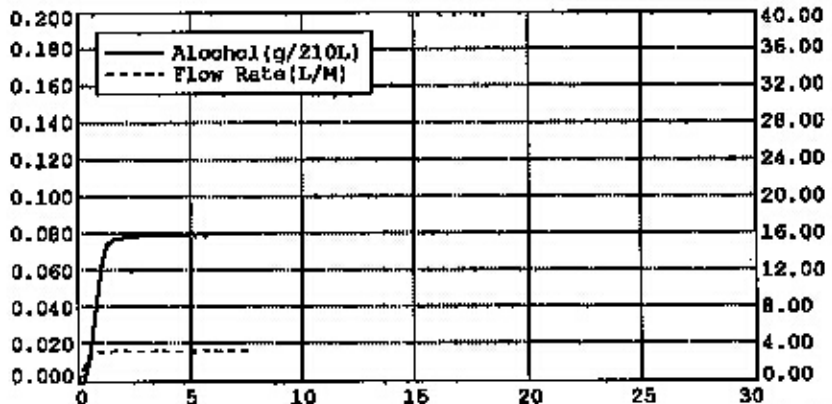
Alaska Department of Public Safety
 DATAMASTER dnt: 100396

Date: 06/21/2011
 Time: 10:54:06

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.87: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	10:55
INTERNAL STANDARD	VERIFIED	10:55
EXTERNAL STANDARD	0.081	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.081	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.081	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.081	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.081	11:00
BLANK TEST	0.000	11:01

Average = 0.0810
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

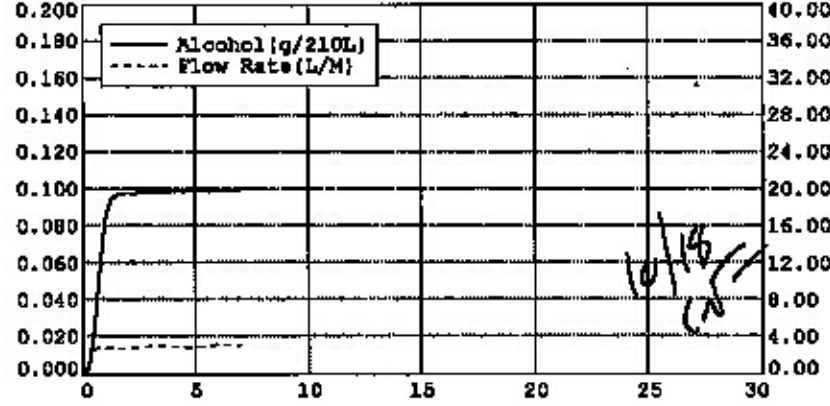
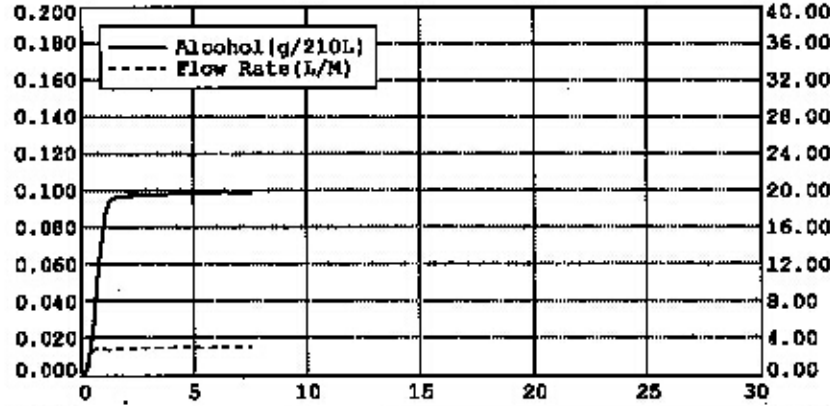
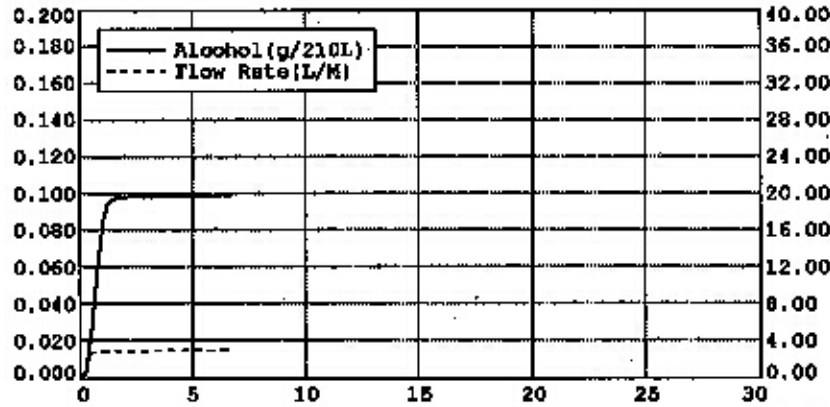
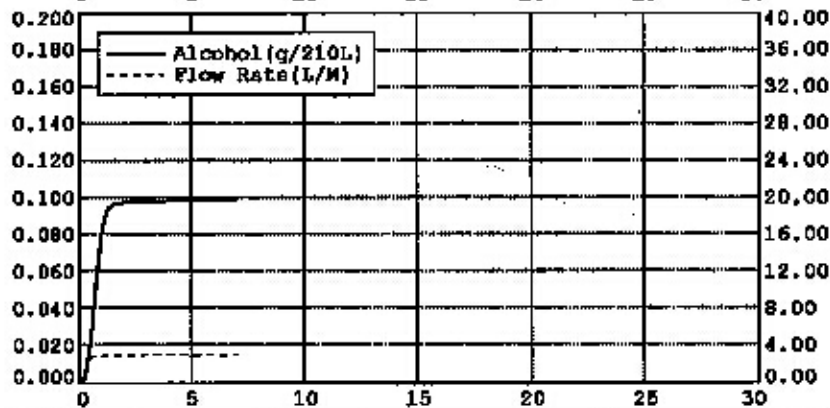
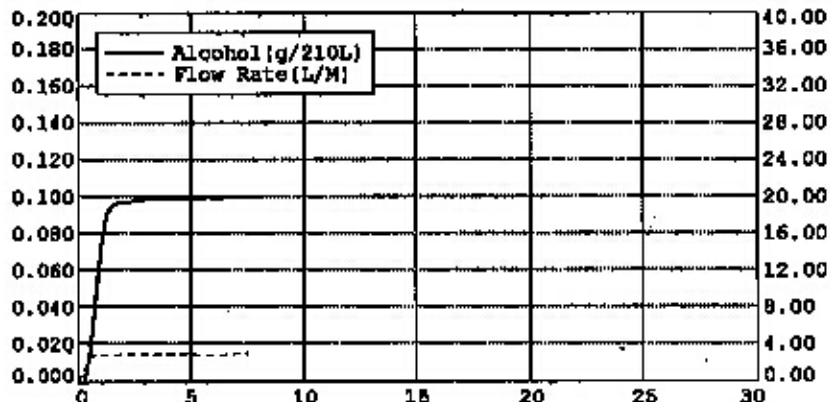
Alaska Department of Public Safety
 DATA MASTER dnt: 100396

Date: 06/21/2011
 Time: 11:02:13

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.86: 0.099
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	11:03
INTERNAL STANDARD	VERIFIED	11:03
EXTERNAL STANDARD	0.101	11:04
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.100	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.100	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.100	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.100	11:08
BLANK TEST	0.000	11:09

Average = 0.1002
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

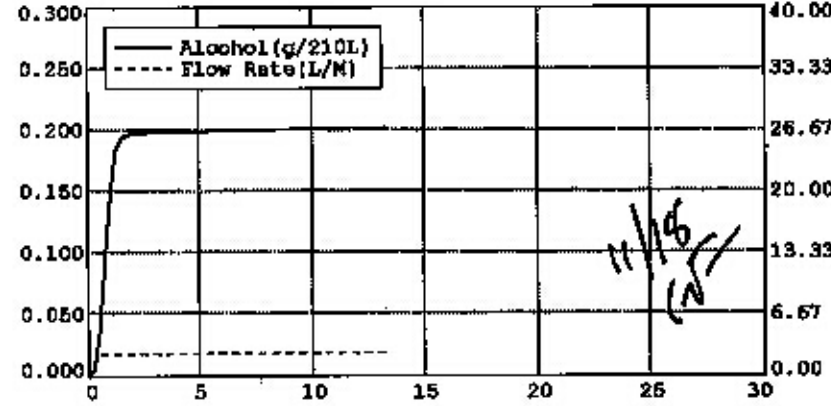
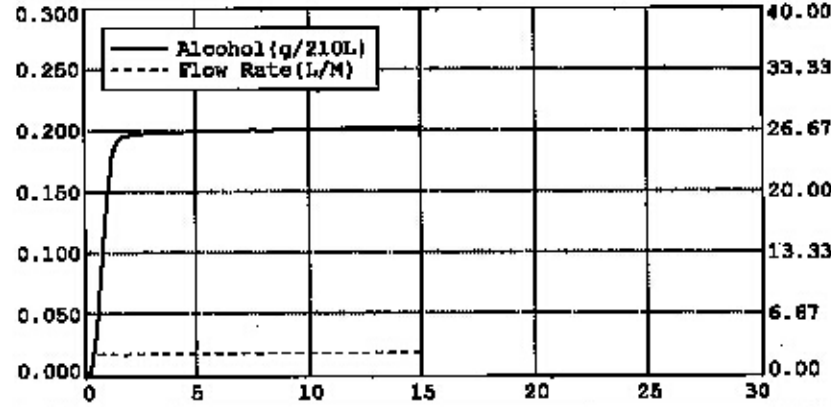
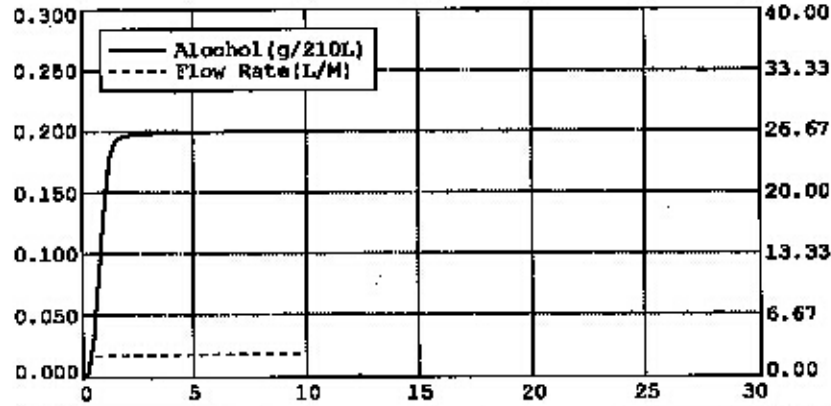
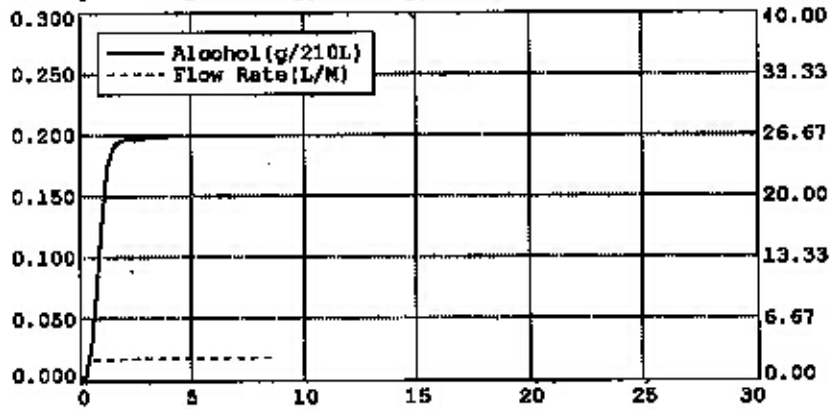
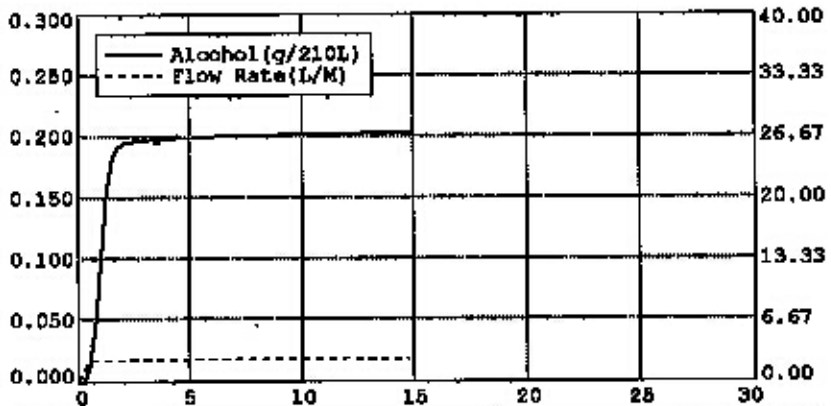
Alaska Department of Public Safety
 DATAMASTER dnt: 100396

Date: 06/21/2011
 Time: 11:14:26

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.87: 0.199
 LOT #: 02611200A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	11:15
INTERNAL STANDARD	VERIFIED	11:15
EXTERNAL STANDARD	0.203	11:16
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.201	11:17
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.202	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.204	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.202	11:21
BLANK TEST	0.000	11:22

Average = 0.2024
 Std Dev = 0.0011



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER chrt: 100396

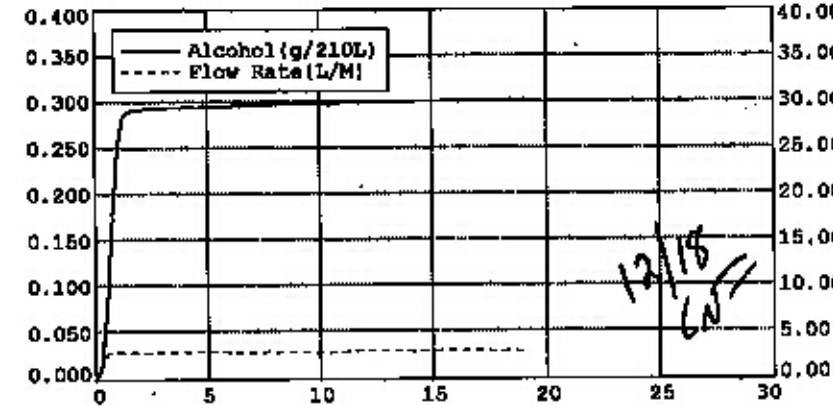
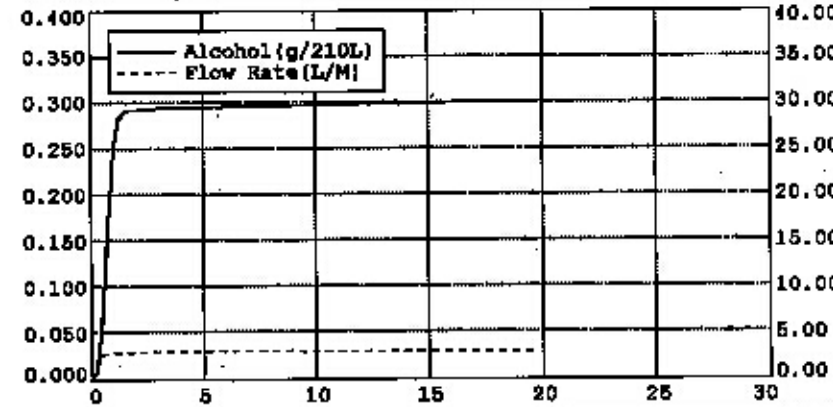
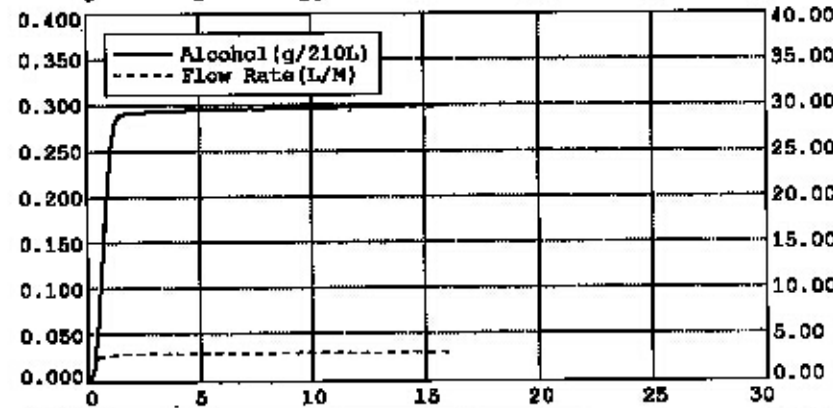
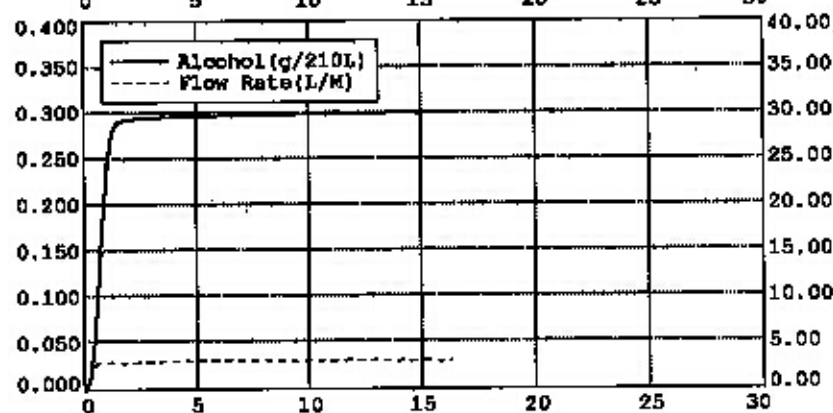
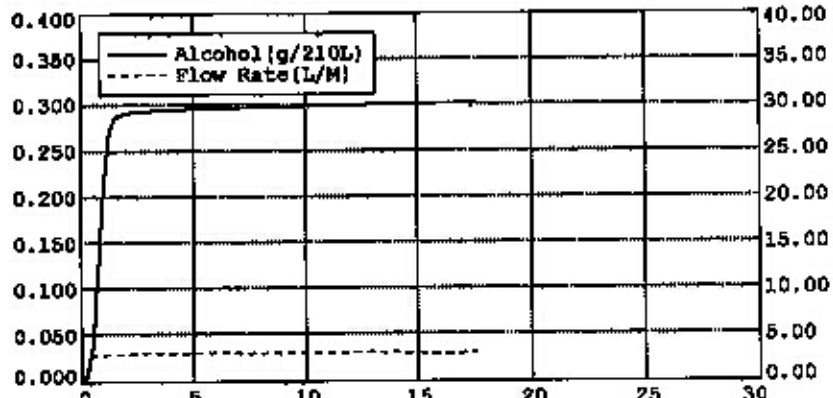
Date: 06/21/2011
 Time: 11:26:57

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.87: 0.299
 LOT #: 07911300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	11:28
INTERNAL STANDARD	VERIFIED	11:28
EXTERNAL STANDARD	0.302	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.301	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.300	11:32
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.301	11:33
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.301	11:34
BLANK TEST	0.000	11:35

Average = 0.3010
 Std Dev = 0.0007



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100396

Date: 06/21/2011
 Time: 13:28:52

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

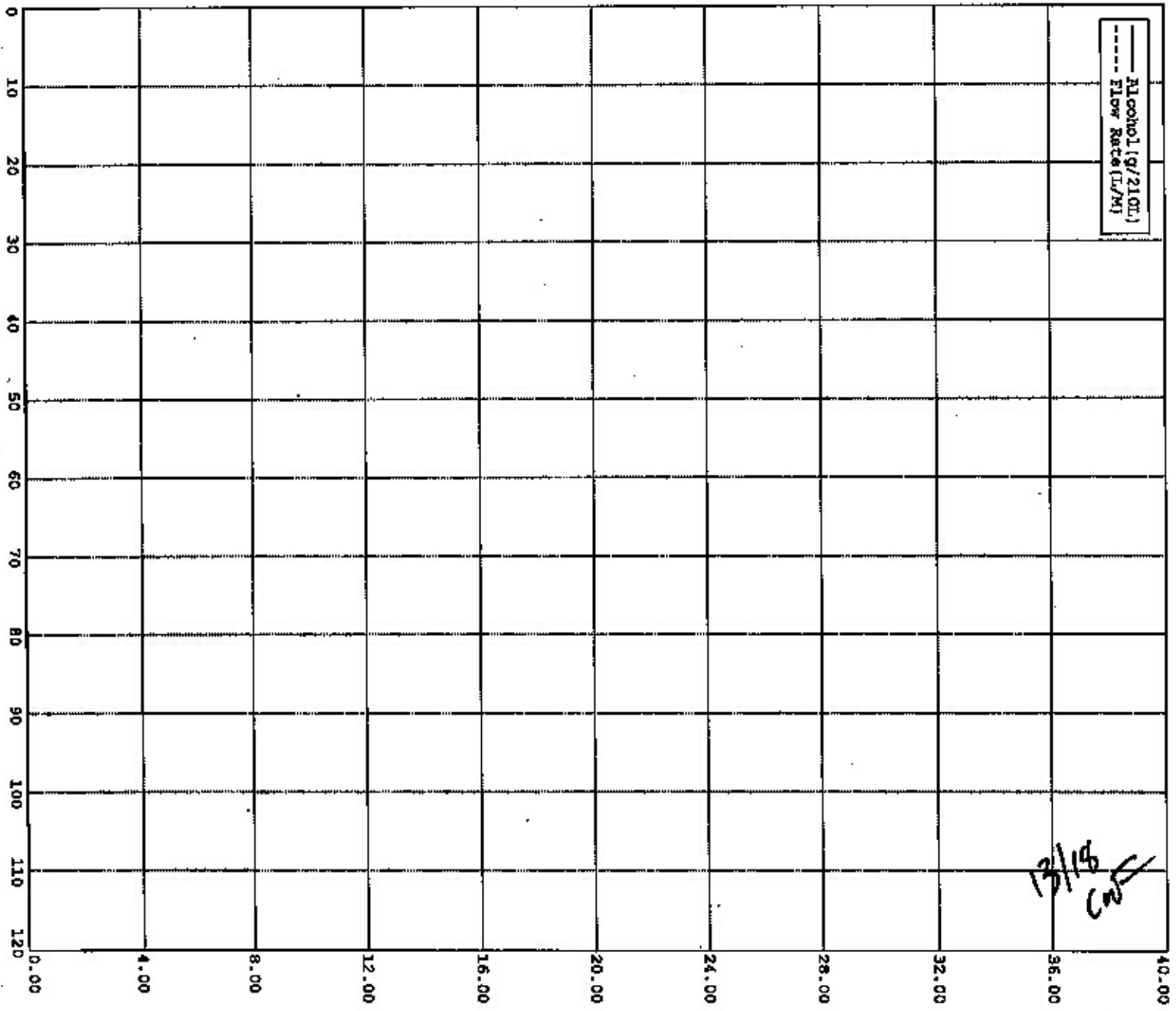
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.86: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:29
BLANK TEST	0.000	13:29
INTERNAL STANDARD	VERIFIED	13:30
EXTERNAL STANDARD	0.081	13:30
BLANK TEST	0.000	13:31
SUBJECT SAMPLE	INCOMPLETE	13:33

CRF



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY div: 100396

Date: 06/21/2011
 Time: 13:35:45

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

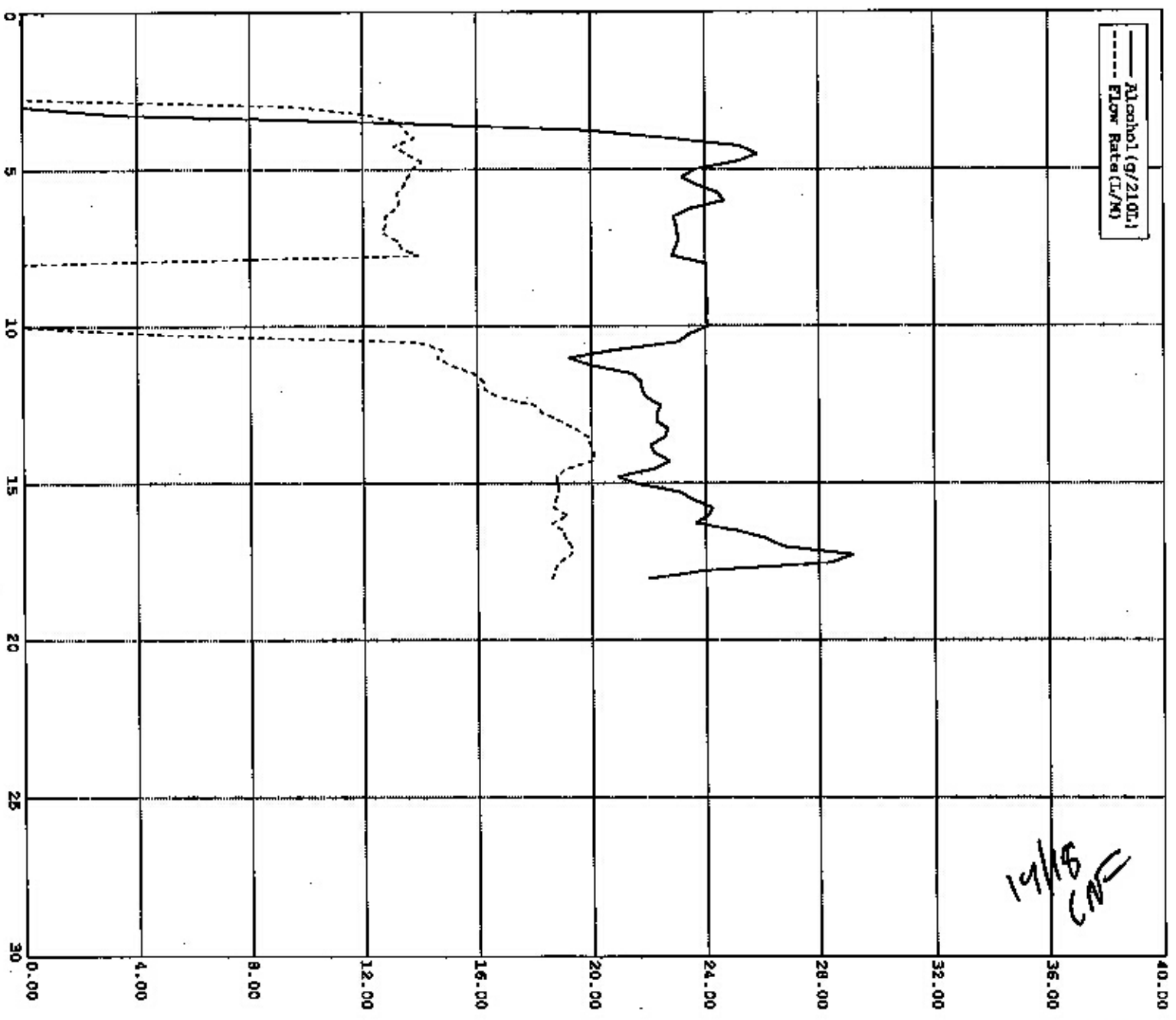
OPERATOR NAME:
 INVALID KNOWN MODEL EPOCH
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.86: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:38
BLANK TEST	0.000	13:38
INTERNAL STANDARD	VERIFIED	13:38
EXTERNAL STANDARD	0.082	13:38
BLANK TEST	0.080	13:39
SUBJECT SAMPLE	Invalid	13:40

CRF



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dmc: 100396

Date: 06/21/2011
 Time: 13:45:54

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

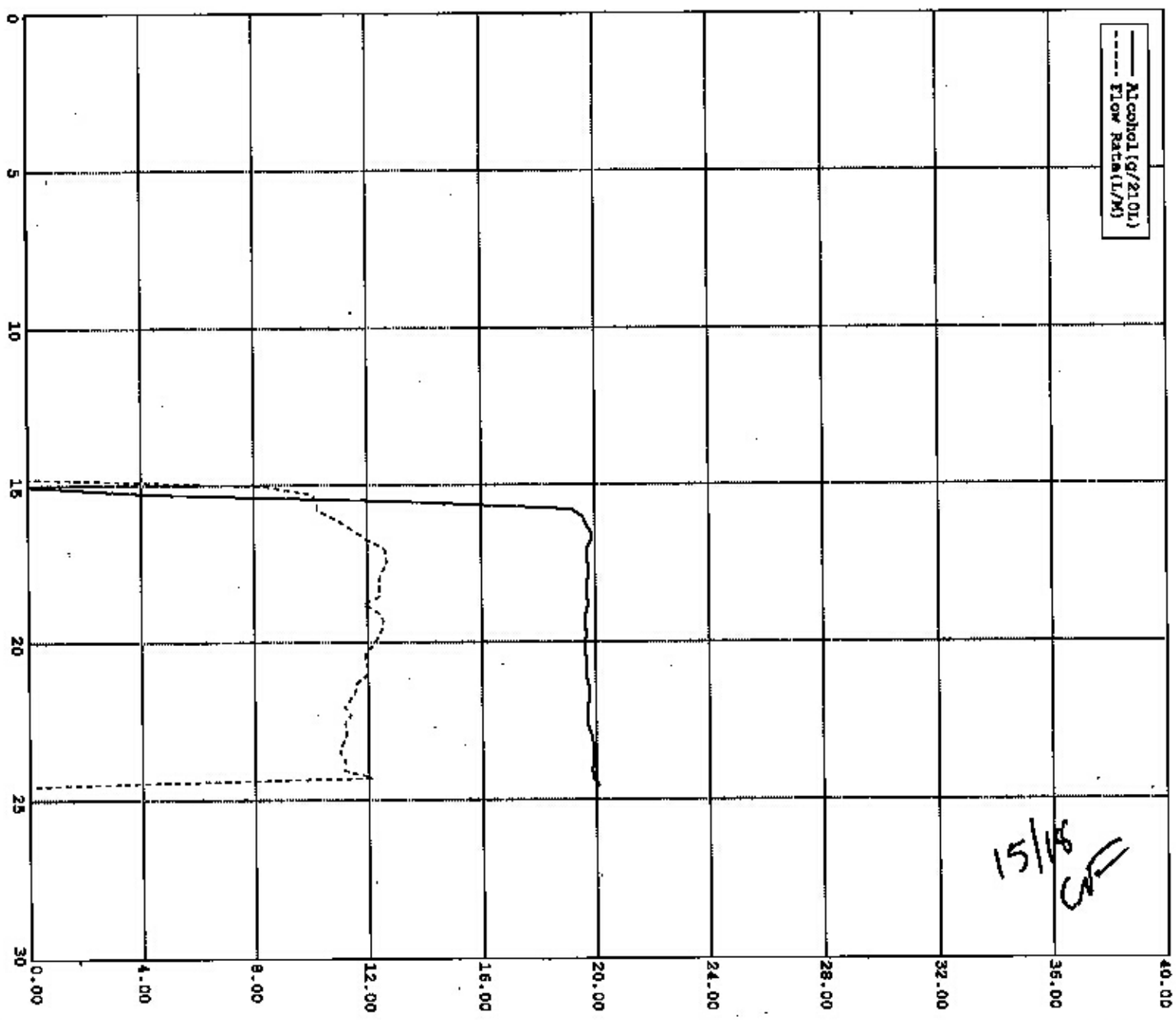
OPERATOR NAME:
 INTERFERENCE ETOH AND ACETONE
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 MONITOR: 0.080
 TARGET AT 29.86: 0.079
 LOT #: 02511088A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:47
BLANK TEST	0.000	13:47
INTERNAL STANDARD	VERIFIED	13:47
EXTERNAL STANDARD	0.081	13:47
BLANK TEST	0.000	13:48
SUBJECT SAMPLE	INTERFERENCE	13:49

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATUMASTER dnt: 100396

Date: 06/21/2011
 Time: 13:54:13

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

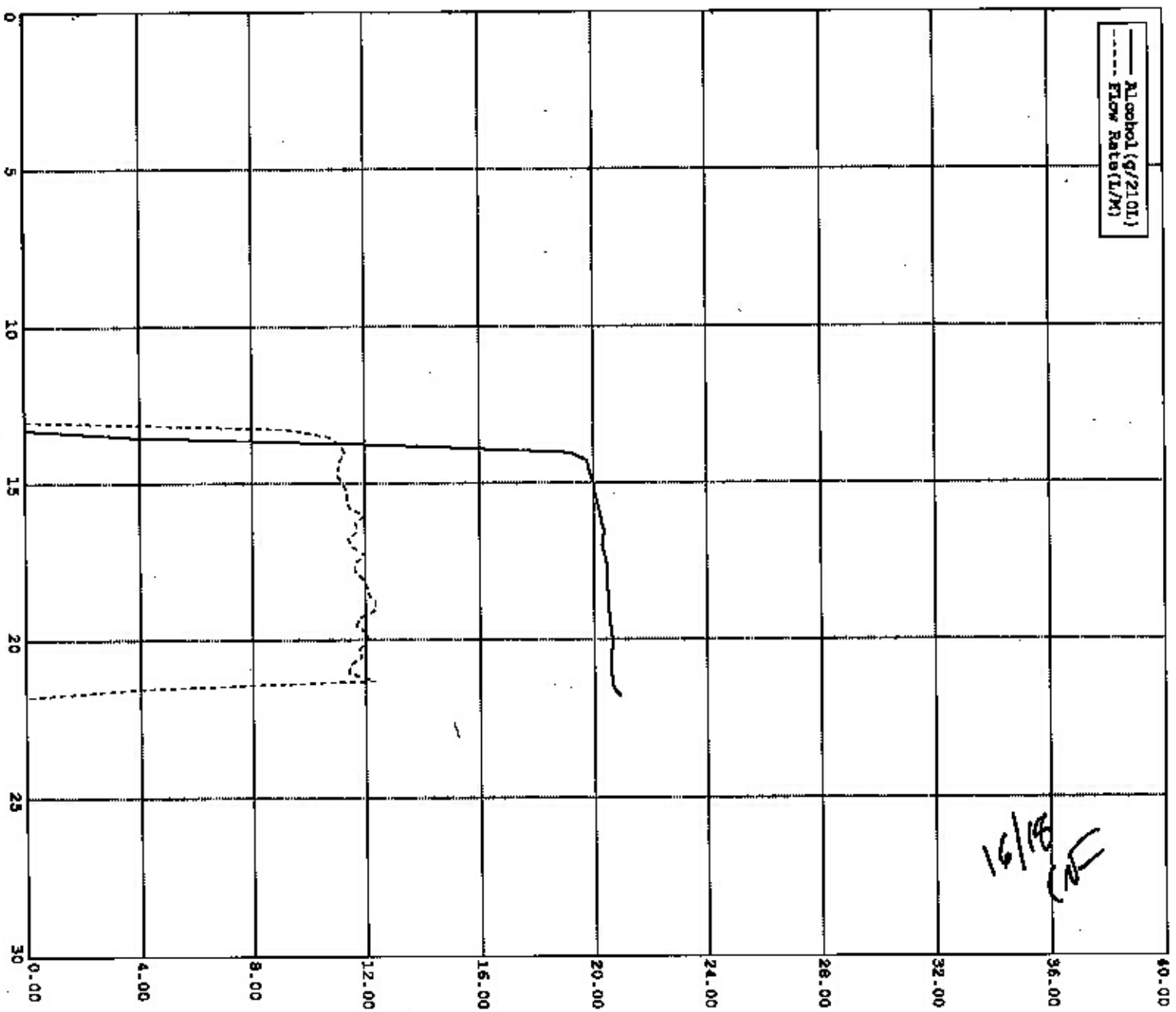
OPERATOR NAME:
 INTERFERENCE EICH AND IPA
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.86: 0.079
 LOT #: 0251080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:55
BLANK TEST	0.000	13:55
INTERNAL STANDARD	VERIFIED	13:56
EXTERNAL STANDARD	0.081	13:56
BLANK TEST	0.000	13:57
SUBJECT SAMPLE	INTERFERENCE	13:57

CRF



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY date: 100396

Date: 06/21/2011
 Time: 14:07:47

SUBSTANCE NAME:
 TEST TEST
 LICENSE #: XXXX

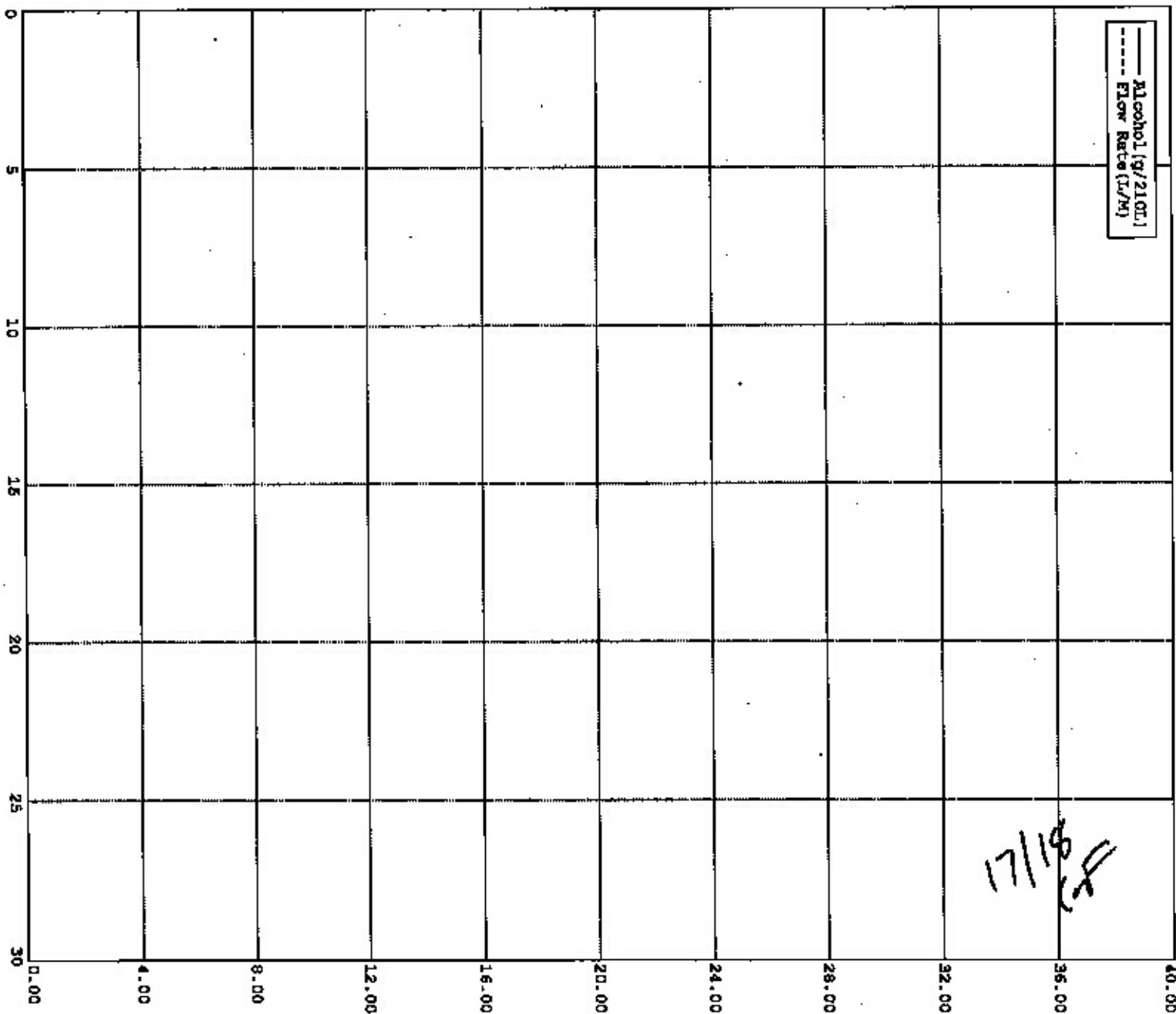
OPERATOR NAME:
 FBI XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.85: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 14:08
 INTERNAL STANDARD VERIFIED 14:08
 EXTERNAL STANDARD 0.082 14:09
 BLANK TEST 0.000 14:10

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
DAGMASTER dml: 100396

Date: 06/21/2011
Time: 14:15:29

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

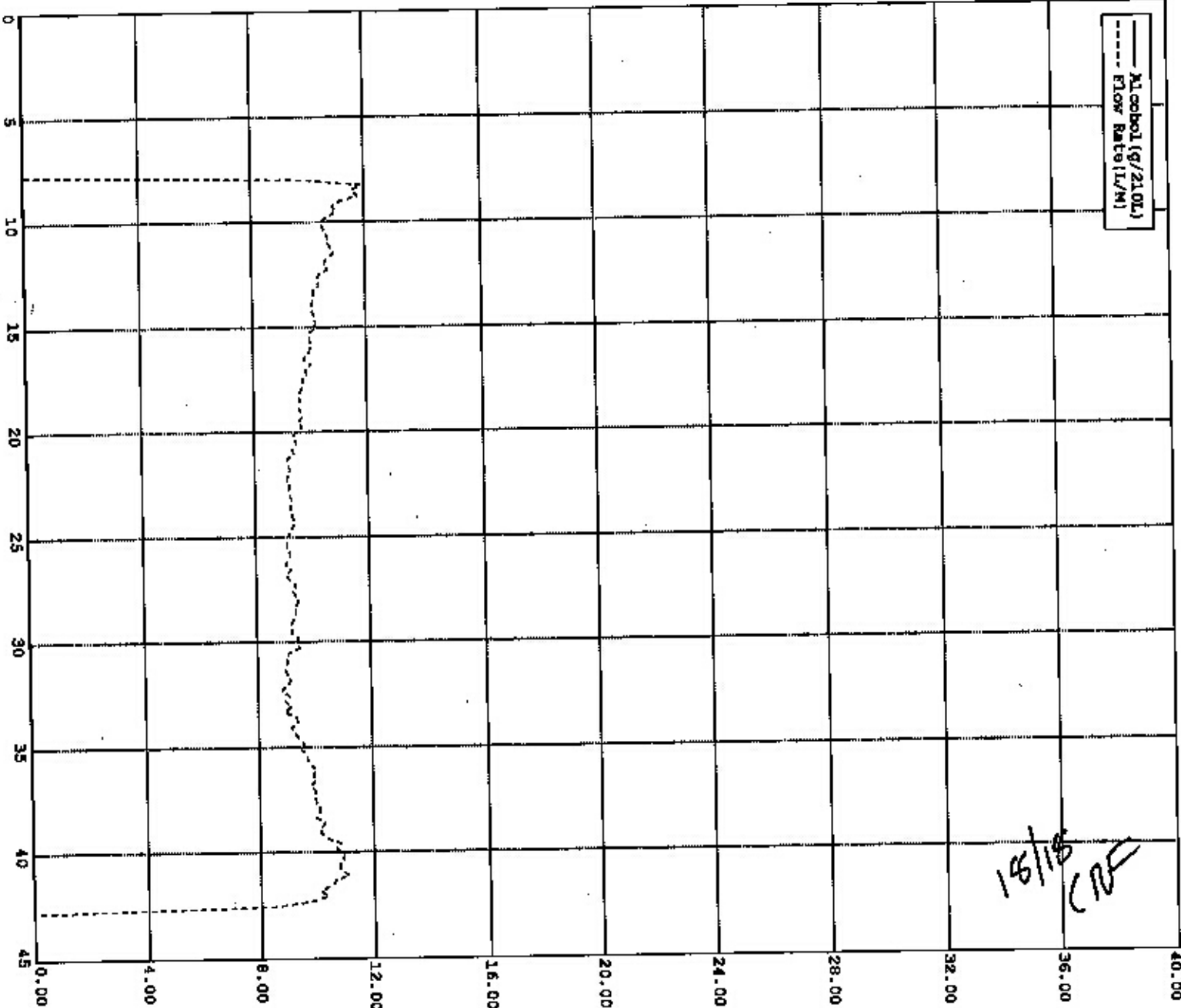
OPERATOR NAME:
CHARLES FOSTER
OPERATOR S #: 7734

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.85: 0.079
LOT #: 02511080R2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	14:16
INTERNAL STANDARD	0.081	14:16
EXTERNAL STANDARD	0.000	14:17
BLANK TEST	0.000	14:17
SUBJECT SAMPLE	0.000	14:18
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.082	14:19
BLANK TEST	0.000	14:20

CRF



Final page for report

\

\\ANCSCLSAN01\JTRAX\CASEDOCS\B-100396\B-100396_ECF-20140

2/19/2014