

	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 FormInstrument # 100405Analyst CRFDate 6/2/11

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 1600 mL
5. Dry Gas Linearity Test (attached)

- a. Levels Used
 - i. 0.020g/210L Mnf ILMO Lot 02811080A1 Exp 2/1/2013
 - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/2013
 - iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 2/1/2013
 - iv. 0.100g/210L Mnf ILMO Lot 07611100A3 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 Repco Lot 09905 Level 0.080 Exp 9/3/2014
 1. Simulator Calibration Date 10/18/2010 SN DR6267 11/4/2011 CRF
 - ii. Isopropanol - Mnf Repco Lot 09905 Level 0.080 Exp 9/3/2014 CRF
 1. Simulator Calibration Date 9/4/2010 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 dmt: 100405

Date: 06/02/2011
Time: 12:51:08

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 46.0°C PASSED

PUMP INFO

Flow Rate = 4.990 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

DATA MASTER dmt: 100405

Date: 06/02/2011
Time: 2:27 PM

Temperatures (°C)
Sample Cell: 48.7°C
Breath Tube: 47.7°C

Current Barometer: 29.8 in
Volume (Ltr) 1.45

Settings
Lamp: 1.72 V
Bias: 81 V
Cooler: 1.64 V
Chopper: 536 Hz

Voltages (V)
Flow: 1.05 V
Detector: 0.067 V

3/18 NF

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dat: 100405

Date: 05/03/2011
Time: 11:47:16

Ca	=	0.1000			
CAL	=	0.983919	0.800	<=	CAL < 1.200
b1	=	0.0003	0.0000	<=	b1 < 0.0040
b2	=	0.0028	0.0010	<=	b2 < 0.0100
b3	=	0.0000	0.0000	<=	b3 < 0.0040
Xg	=	0.0855	0.0500	<=	Xg < 0.2000
a21	=	1.121109	1.050	<=	a21 < 1.300
a31	=	0.488526	0.300	<=	a31 < 0.800

4/18 CBF

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER date: 100405

Date: 06/03/2011
 Time: 09:12:21

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

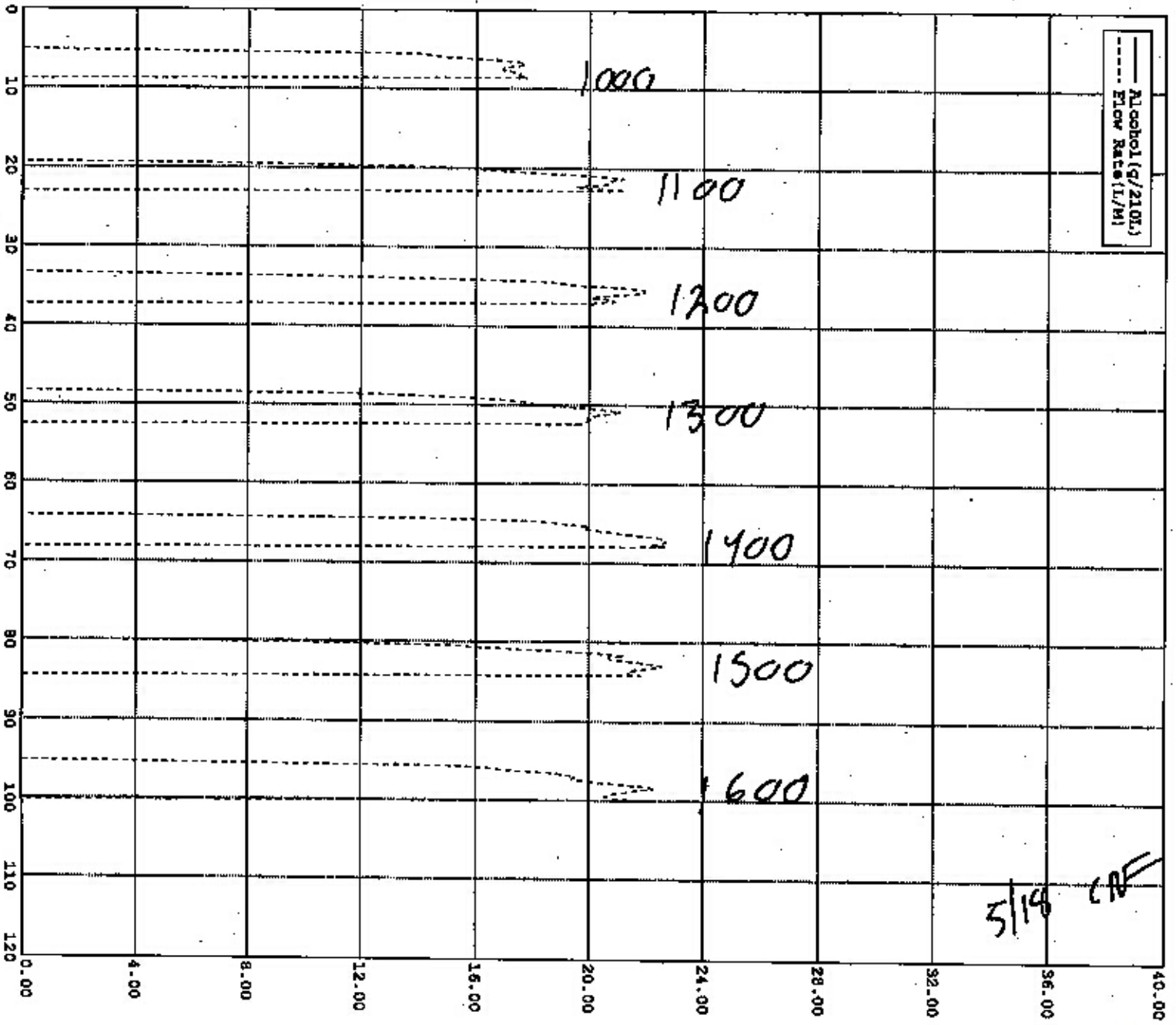
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	09:13
BLANK TEST	0.000	09:13
INTERNAL STANDARD	0.079	09:13
EXTERNAL STANDARD	0.000	09:13
BLANK TEST	0.000	09:14
SUBJECT SAMPLE	0.000	09:16
BLANK TEST	0.000	09:17
EXTERNAL STANDARD	0.079	09:17
BLANK TEST	0.000	09:18

CRF



5/19 CRF

LINERITY CHECK

Alaska Department of Public Safety
 INVENTORY dtd: 100405

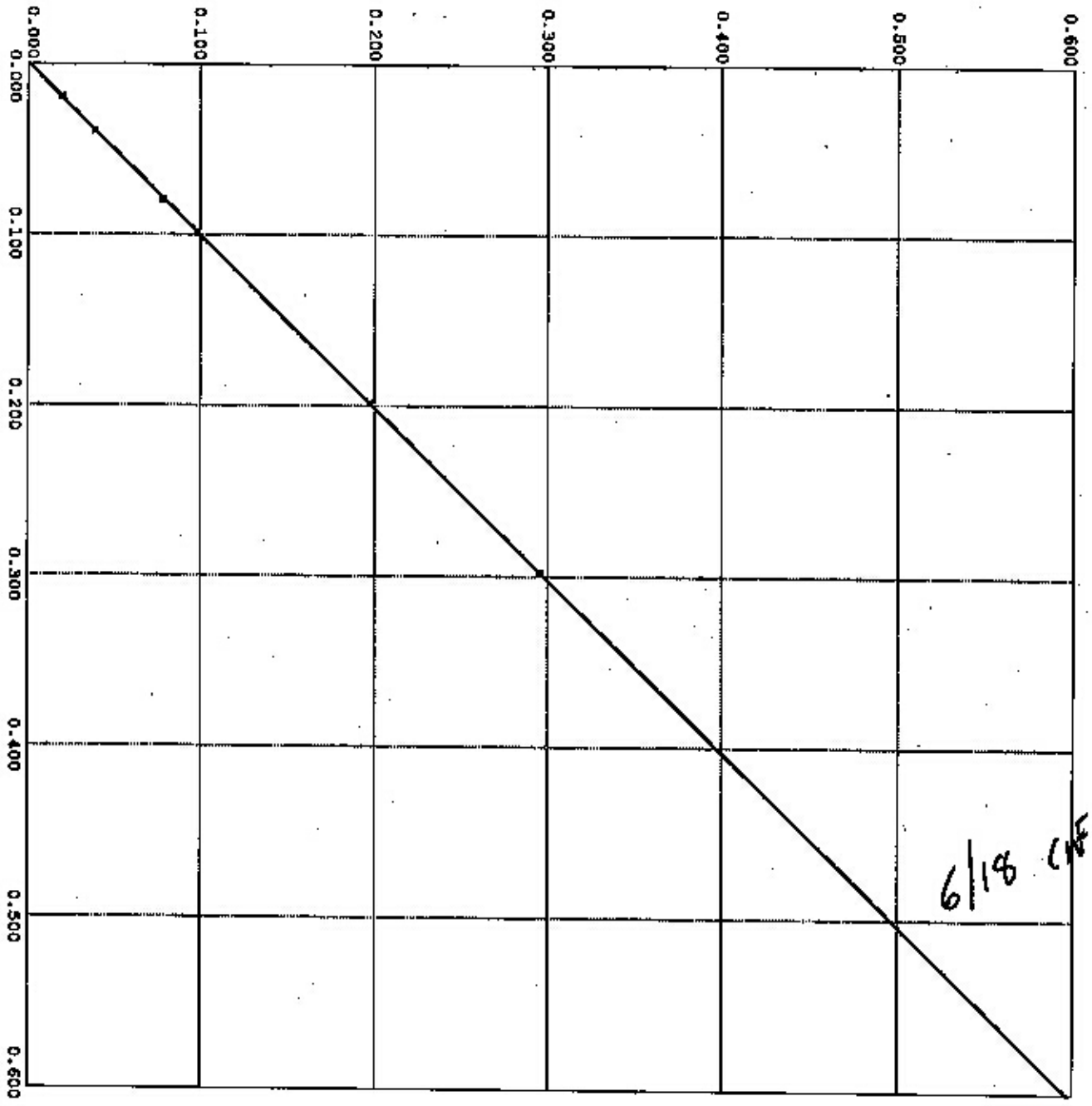
Date: 06/03/2011
 Time: 09:43:34

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0204	0.0005
0.039	0.0394	0.0005
0.079	0.0792	0.0004
0.099	0.0992	0.0004
0.198	0.1980	0.0010
0.297	0.2960	0.0007

SLOPE = 0.993507
 R² = 0.999995

CRF



LINEARITY CHECK: Control Test 1

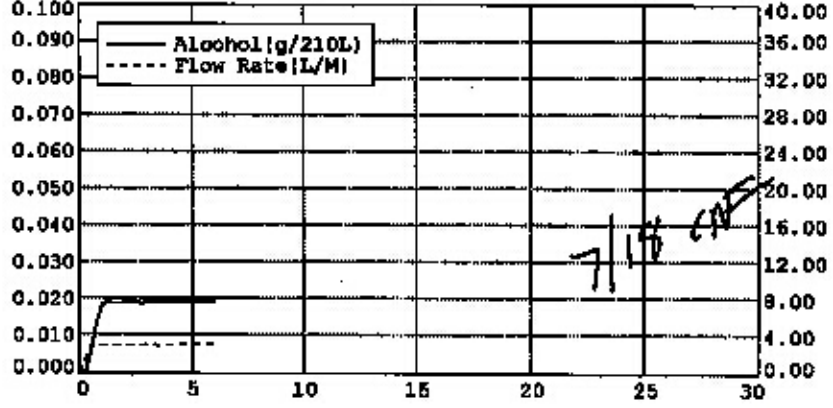
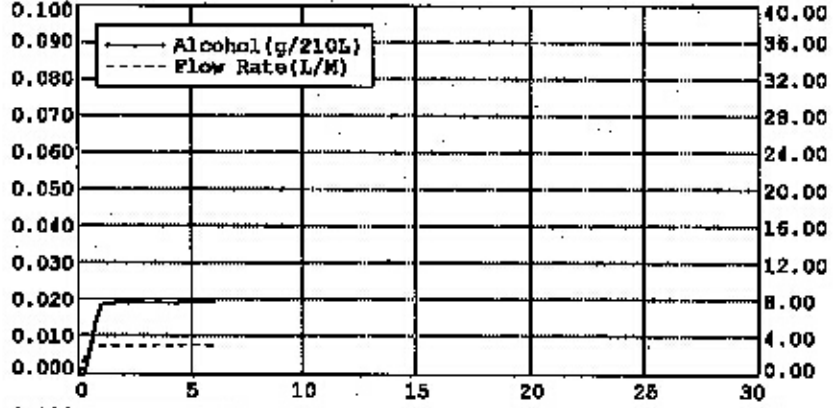
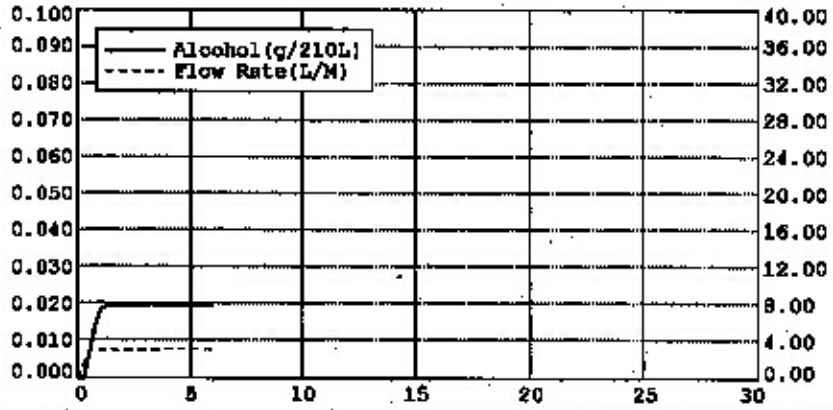
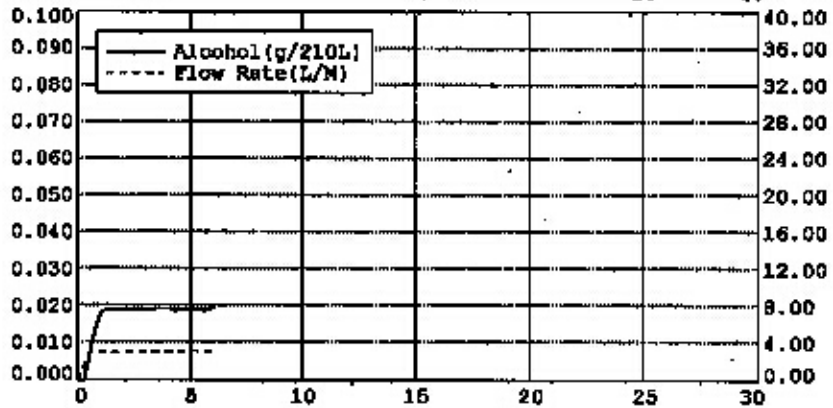
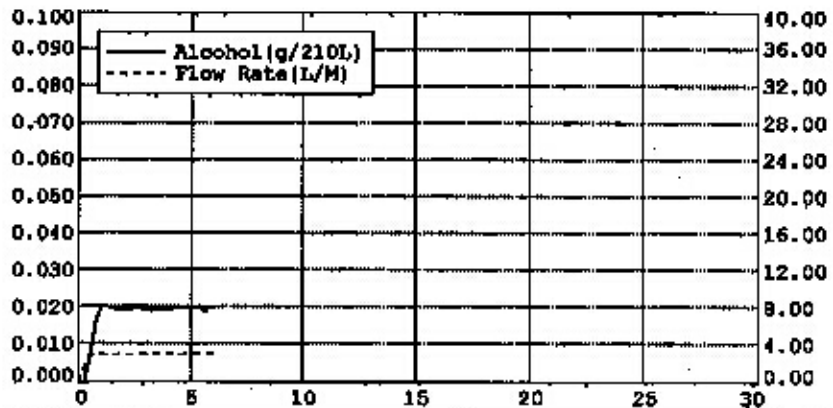
Alaska Department of Public Safety
 DATAMASTER dmt: 100405

Date: 06/03/2011
 Time: 09:43:36

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.68: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:45
INTERNAL STANDARD	VERIFIED	09:45
EXTERNAL STANDARD	0.021	09:46
BLANK TEST	0.000	09:47
EXTERNAL STANDARD	0.020	09:47
BLANK TEST	0.000	09:48
EXTERNAL STANDARD	0.021	09:48
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.020	09:49
BLANK TEST	0.000	09:50
EXTERNAL STANDARD	0.020	09:50
BLANK TEST	0.000	09:51

Average = 0.0204
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

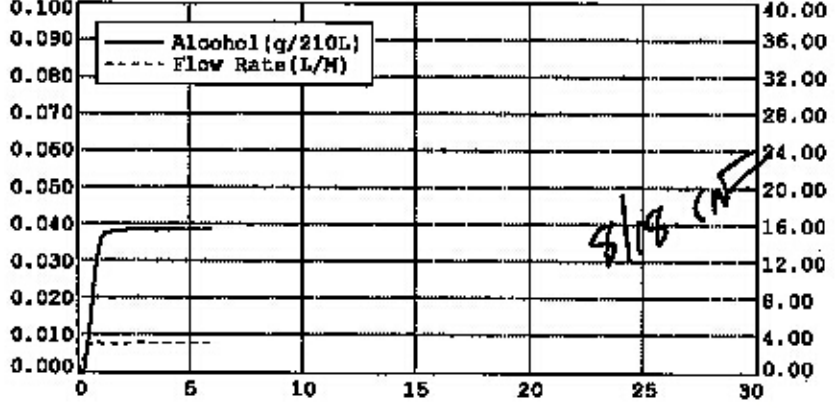
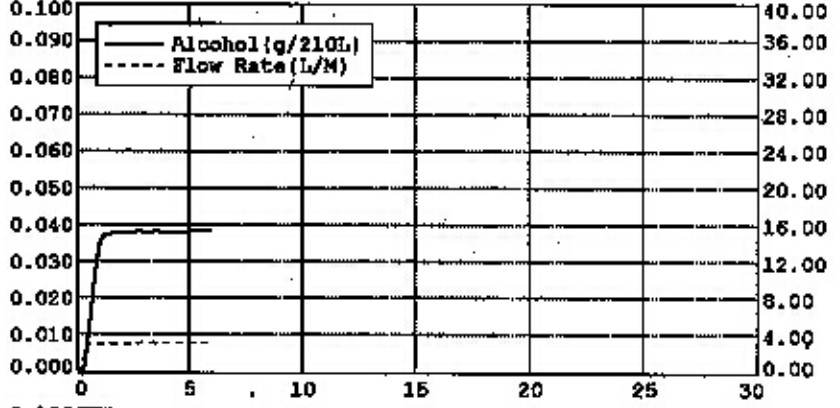
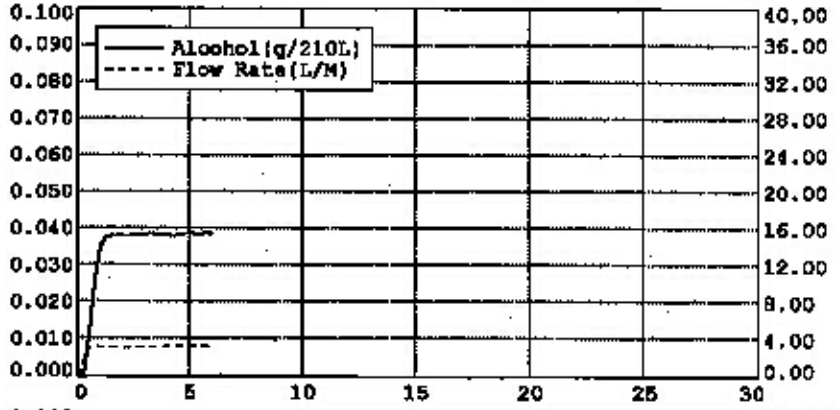
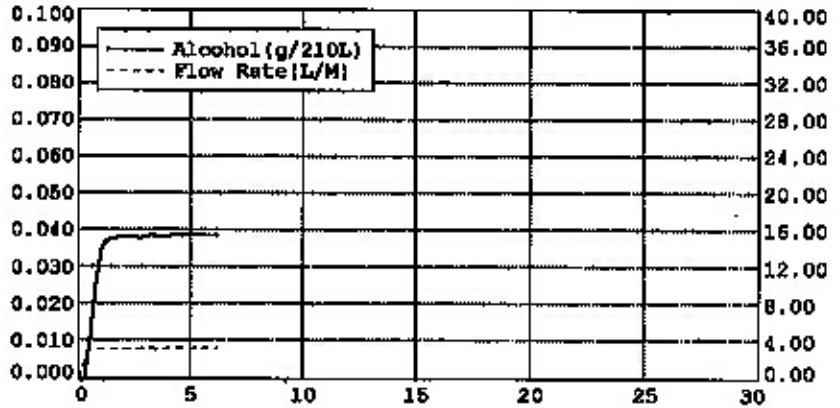
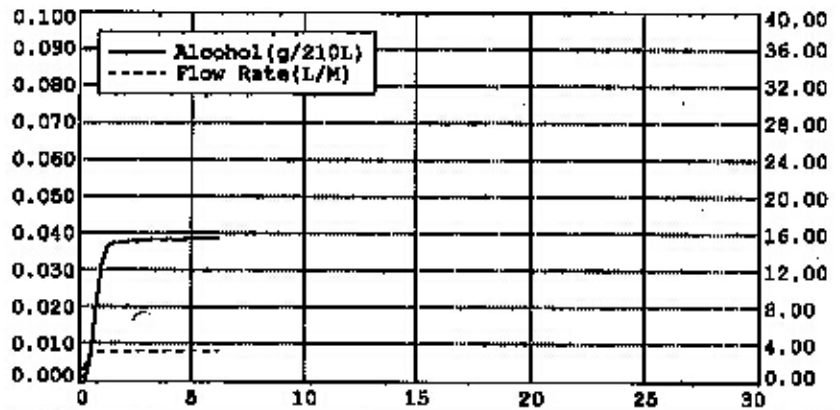
Date: 06/03/2011
 Time: 09:53:40

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.69: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:55
INTERNAL STANDARD	VERIFIED	09:55
EXTERNAL STANDARD	0.040	09:55
BLANK TEST	0.000	09:56
EXTERNAL STANDARD	0.040	09:56
BLANK TEST	0.000	09:57
EXTERNAL STANDARD	0.039	09:57
BLANK TEST	0.000	09:58
EXTERNAL STANDARD	0.039	09:58
BLANK TEST	0.000	09:59
EXTERNAL STANDARD	0.039	09:59
BLANK TEST	0.000	10:00

Average = 0.0394
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

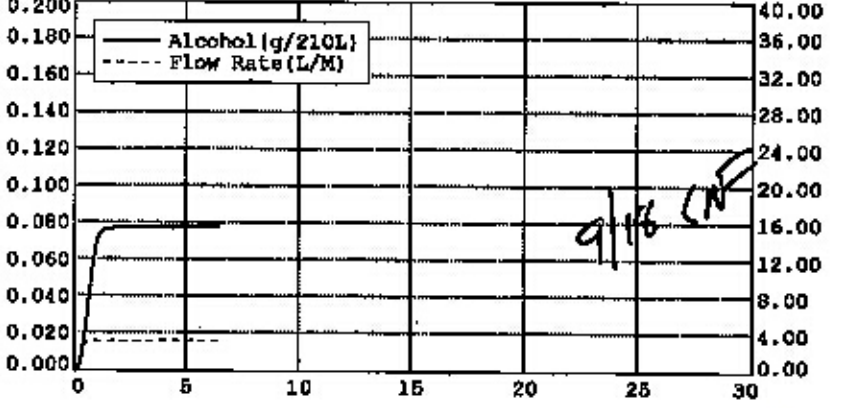
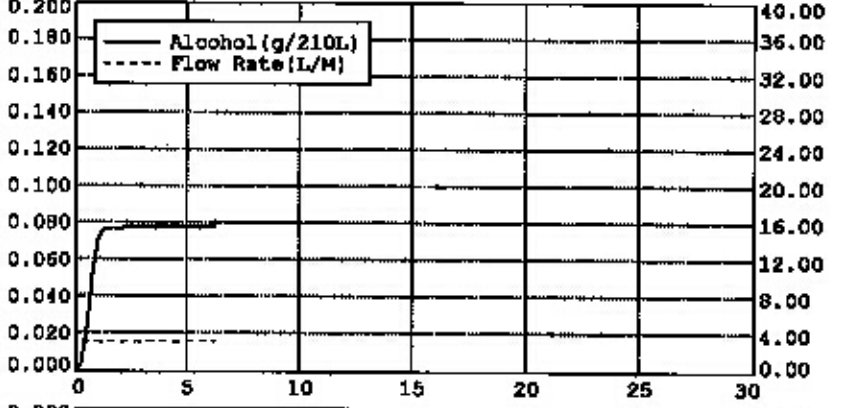
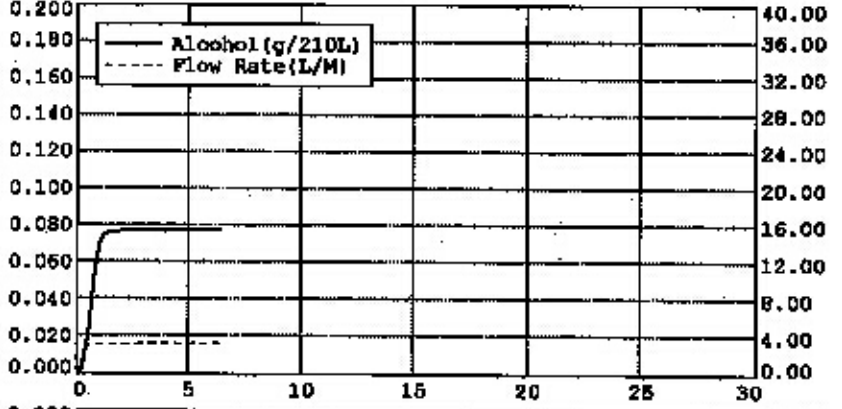
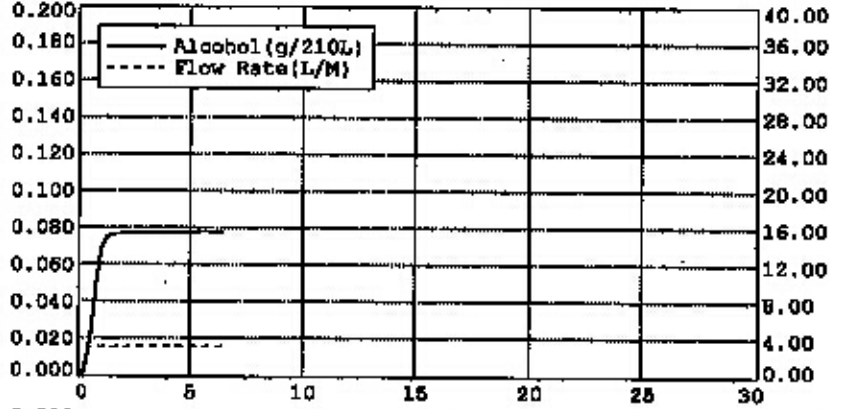
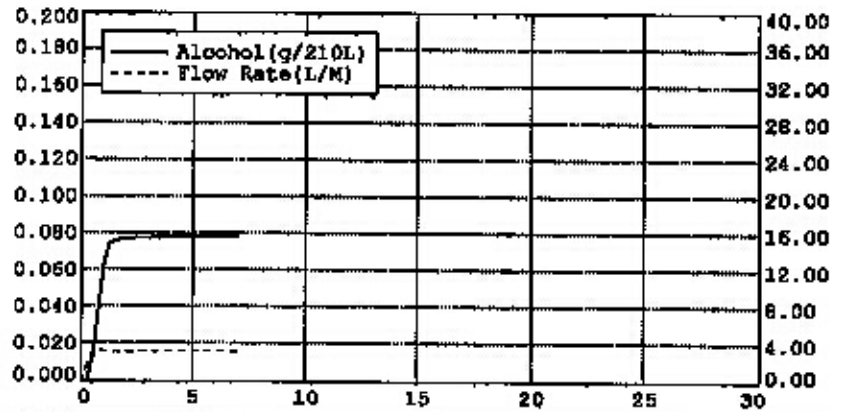
Alaska Department of Public Safety
 DATAMASTER dot: 100405

Date: 06/03/2011
 Time: 10:02:09

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	10:03
INTERNAL STANDARD	VERIFIED	10:03
EXTERNAL STANDARD	0.080	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.079	10:05
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.079	10:06
BLANK TEST	0.000	10:07
EXTERNAL STANDARD	0.079	10:07
BLANK TEST	0.000	10:08
EXTERNAL STANDARD	0.079	10:08
BLANK TEST	0.000	10:09

Average = 0.0792
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dnt: 100405

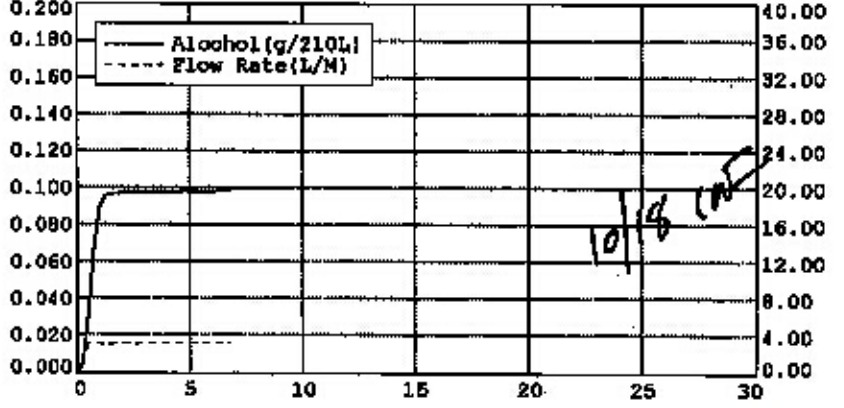
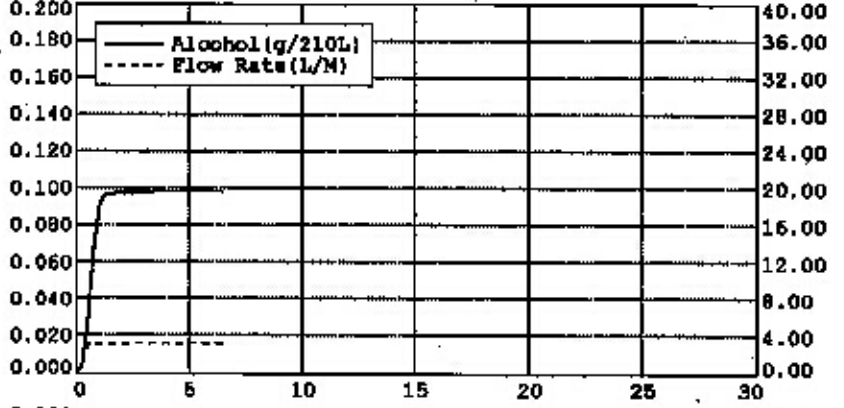
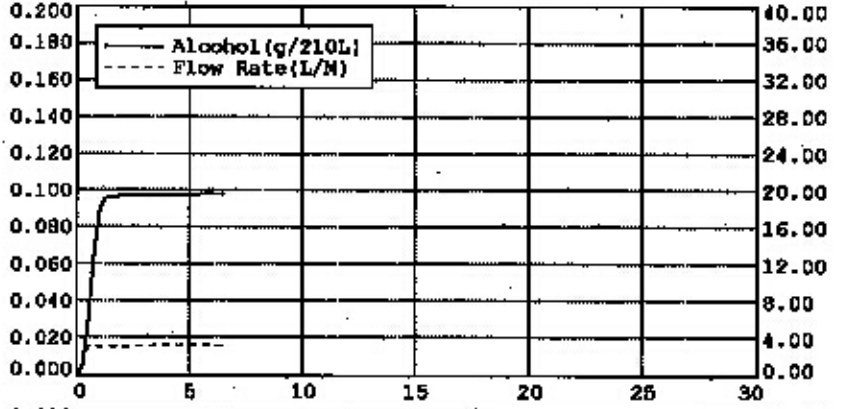
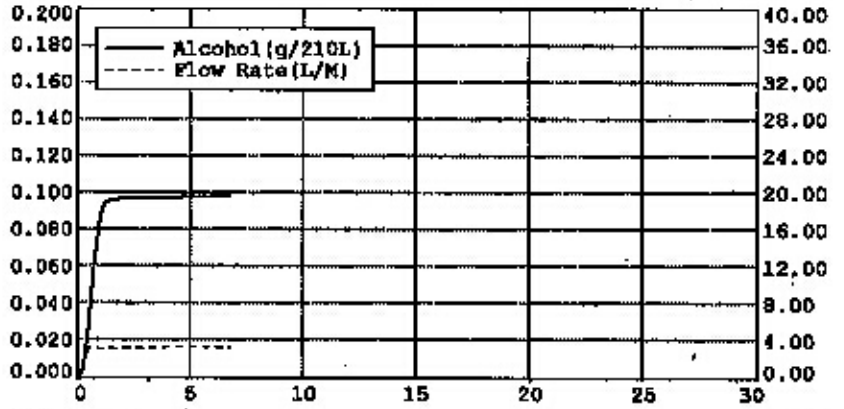
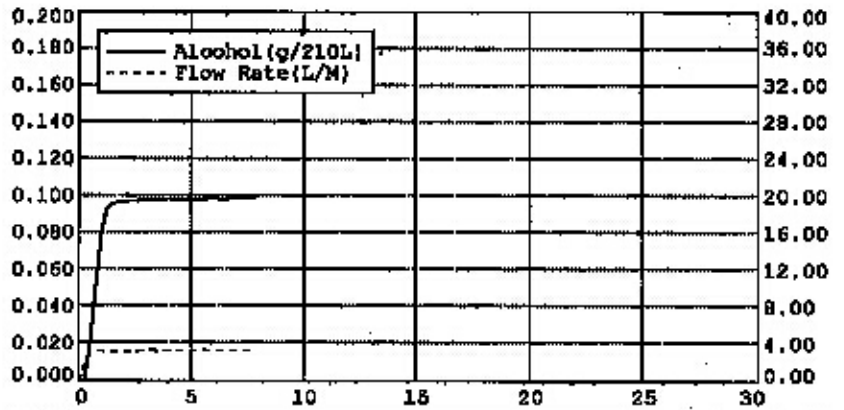
Date: 06/03/2011
 Time: 10:19:20

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.69: 0.099
 LOT #: 07611100A3
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:20
INTERNAL STANDARD	VERIFIED	10:21
EXTERNAL STANDARD	0.100	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.099	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.099	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.099	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.099	10:25
BLANK TEST	0.000	10:26

Average = 0.0992
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dat: 100405

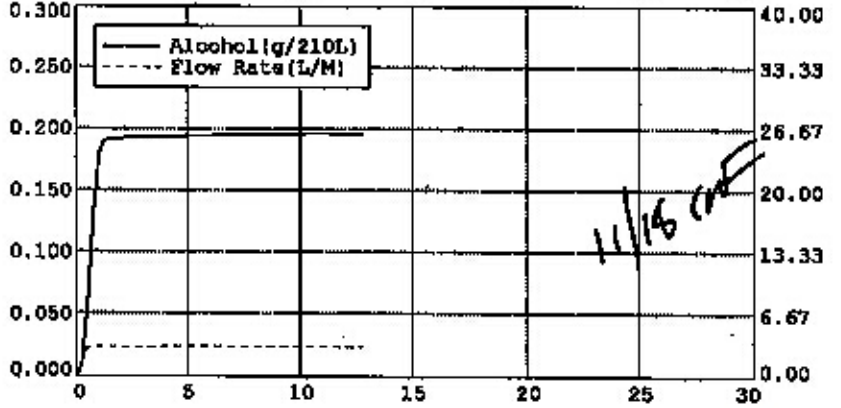
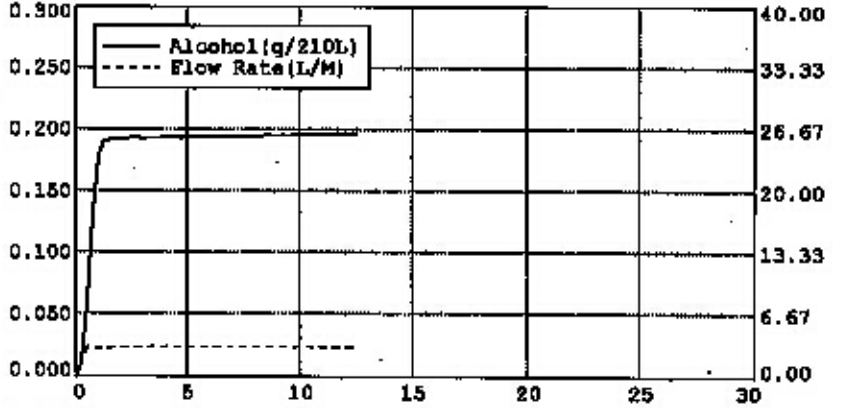
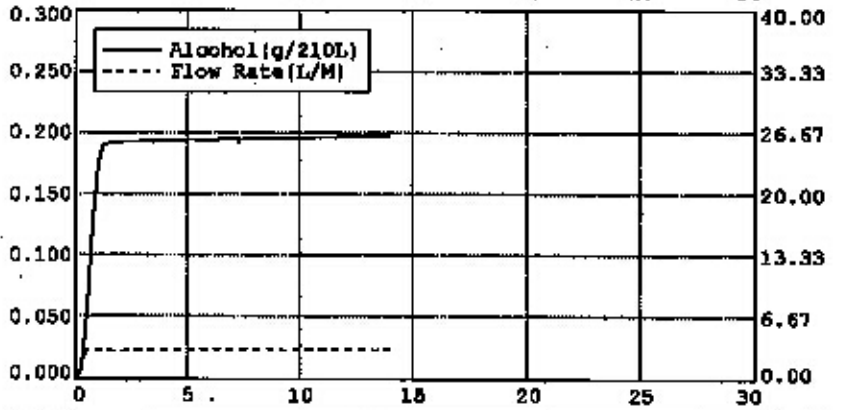
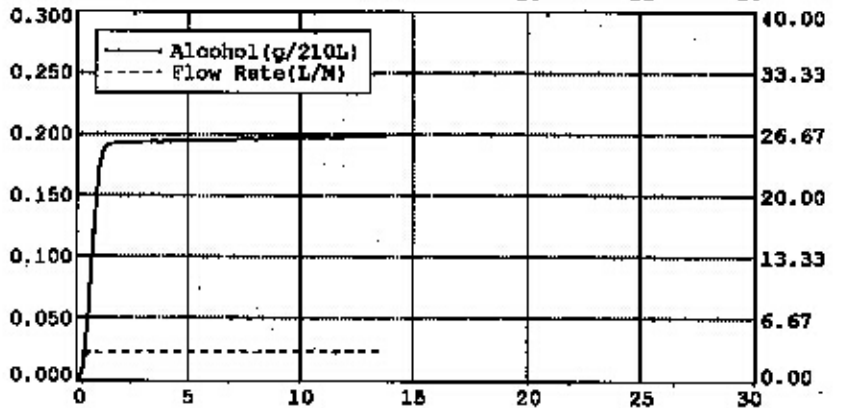
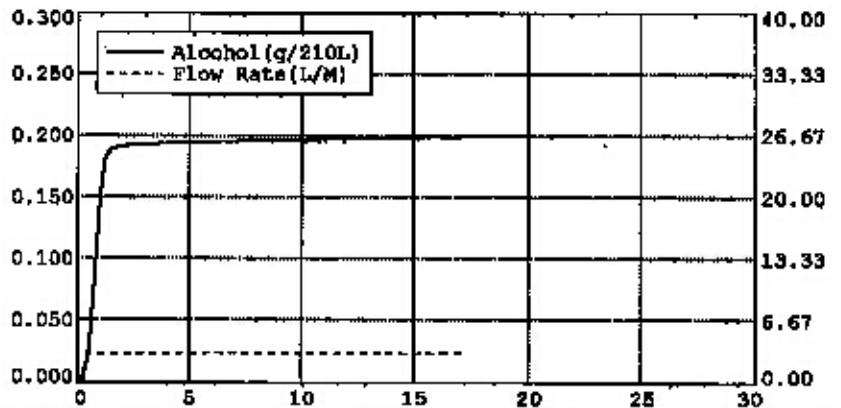
Date: 06/03/2011
 Time: 10:27:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.68: 0.198
 LOT #: 02811200A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	10:29
INTERNAL STANDARD	VERIFIED	10:29
EXTERNAL STANDARD	0.199	10:29
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.199	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.198	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.197	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.197	10:35
BLANK TEST	0.000	10:36

Average = 0.1980
 Std Dev = 0.0010



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

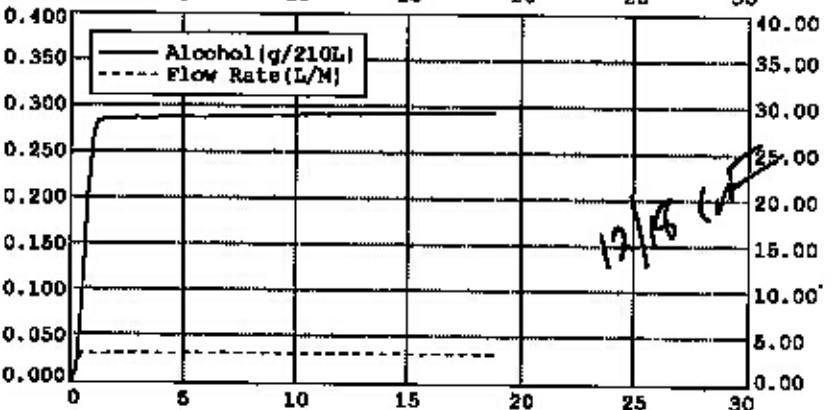
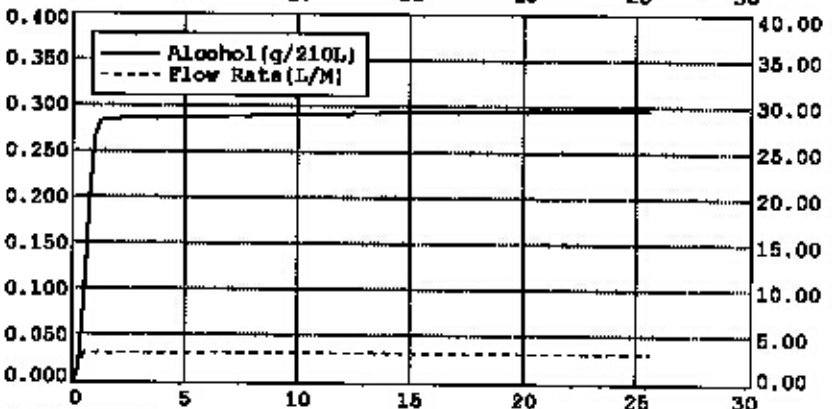
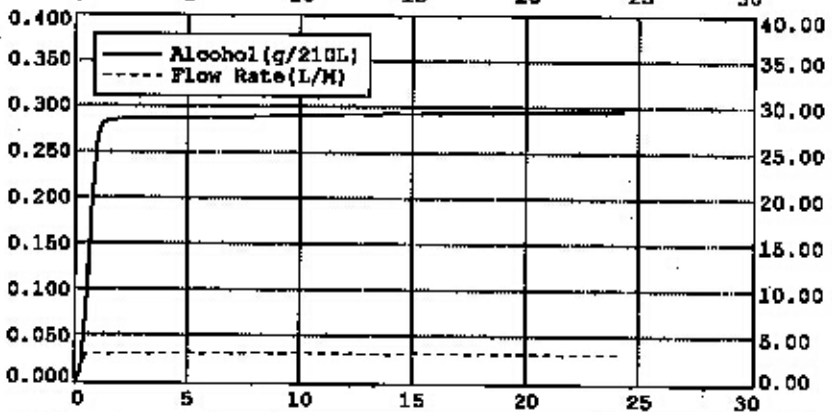
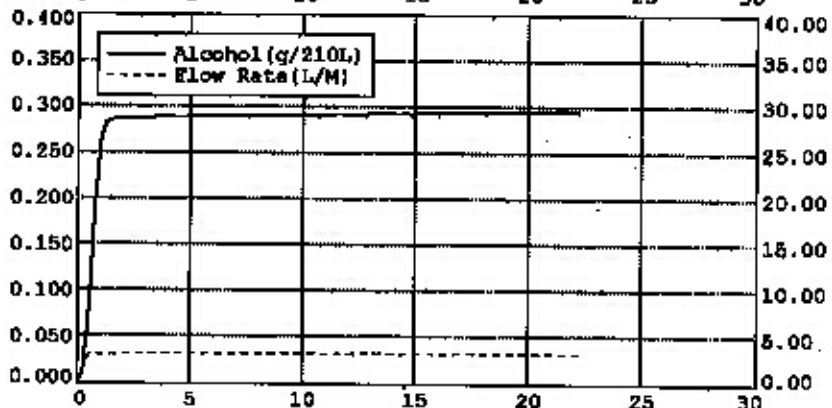
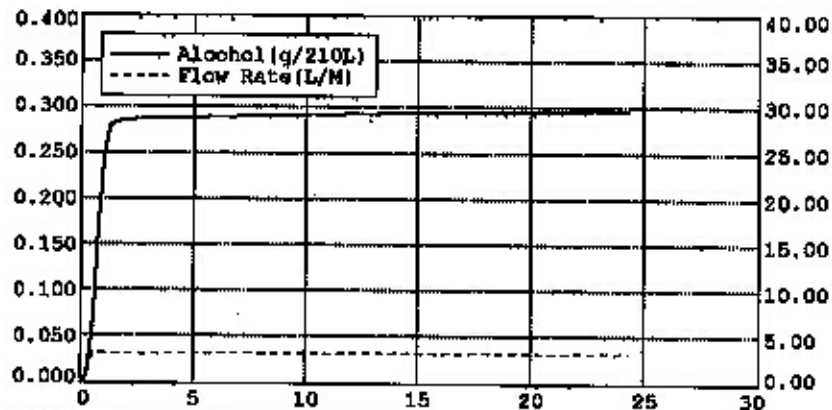
Date: 06/03/2011
 Time: 10:36:43

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.69: 0.297
 LOT #: 07411300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.297	10:38
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.296	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.296	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.296	10:44
BLANK TEST	0.000	10:45
EXTERNAL STANDARD	0.295	10:45
BLANK TEST	0.000	10:46

Average = 0.2960
 Std Dev = 0.0007



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY div: 100405

Date: 06/03/2011
 Time: 10:53:06

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

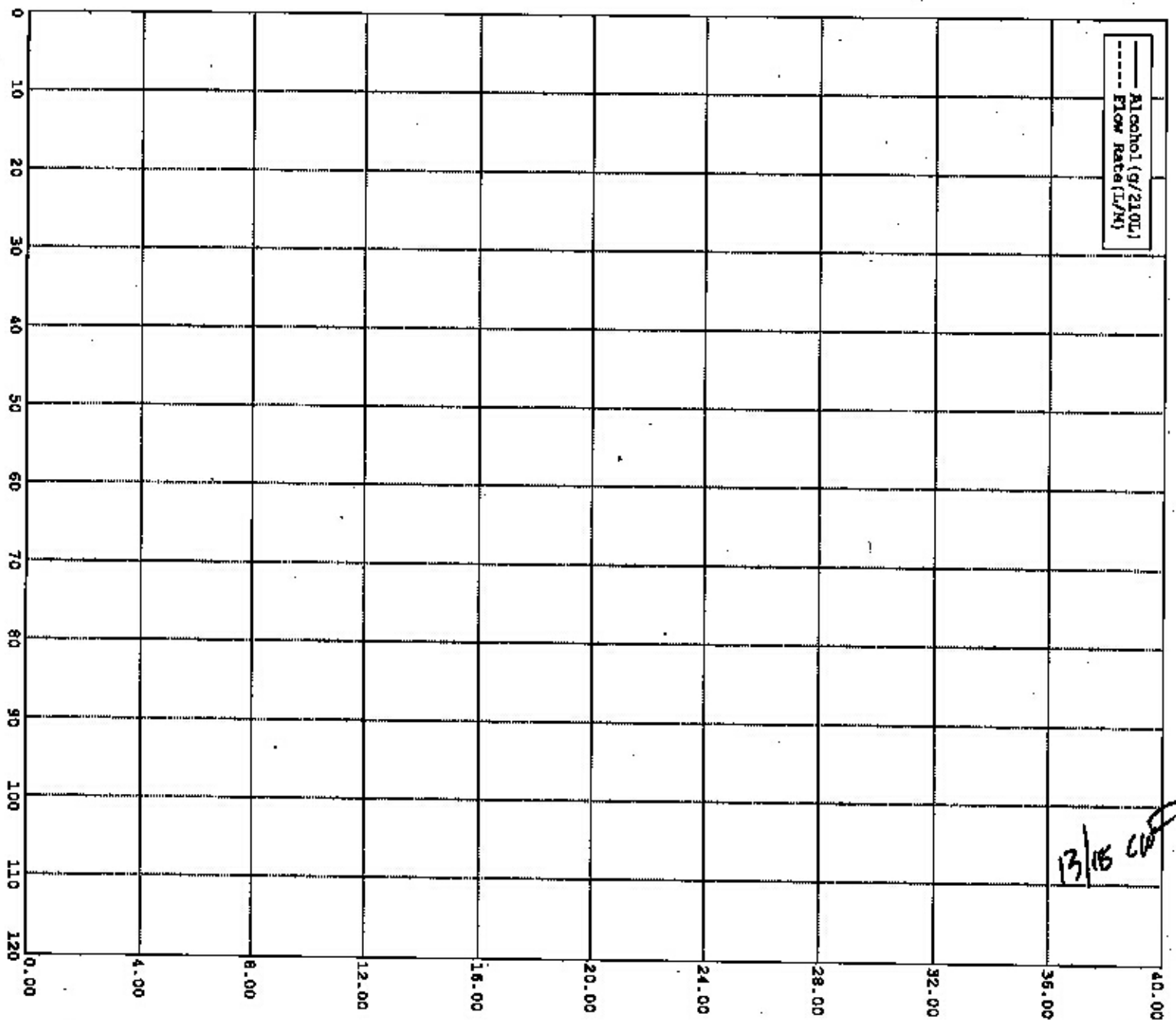
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:54
BLANK TEST	0.000	10:54
INTERNAL STANDARD	VERIFIED	10:55
EXTERNAL STANDARD	0.080	10:55
BLANK TEST	0.000	10:56
SUBJECT SAMPLE	INCOMPLETE	10:58

CRF



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY UNIT: 100405

Date: 06/03/2011
 Time: 11:10:22

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INVALID KNOW MOUHE ALCOHOL
 OPERATOR'S #: XXXX

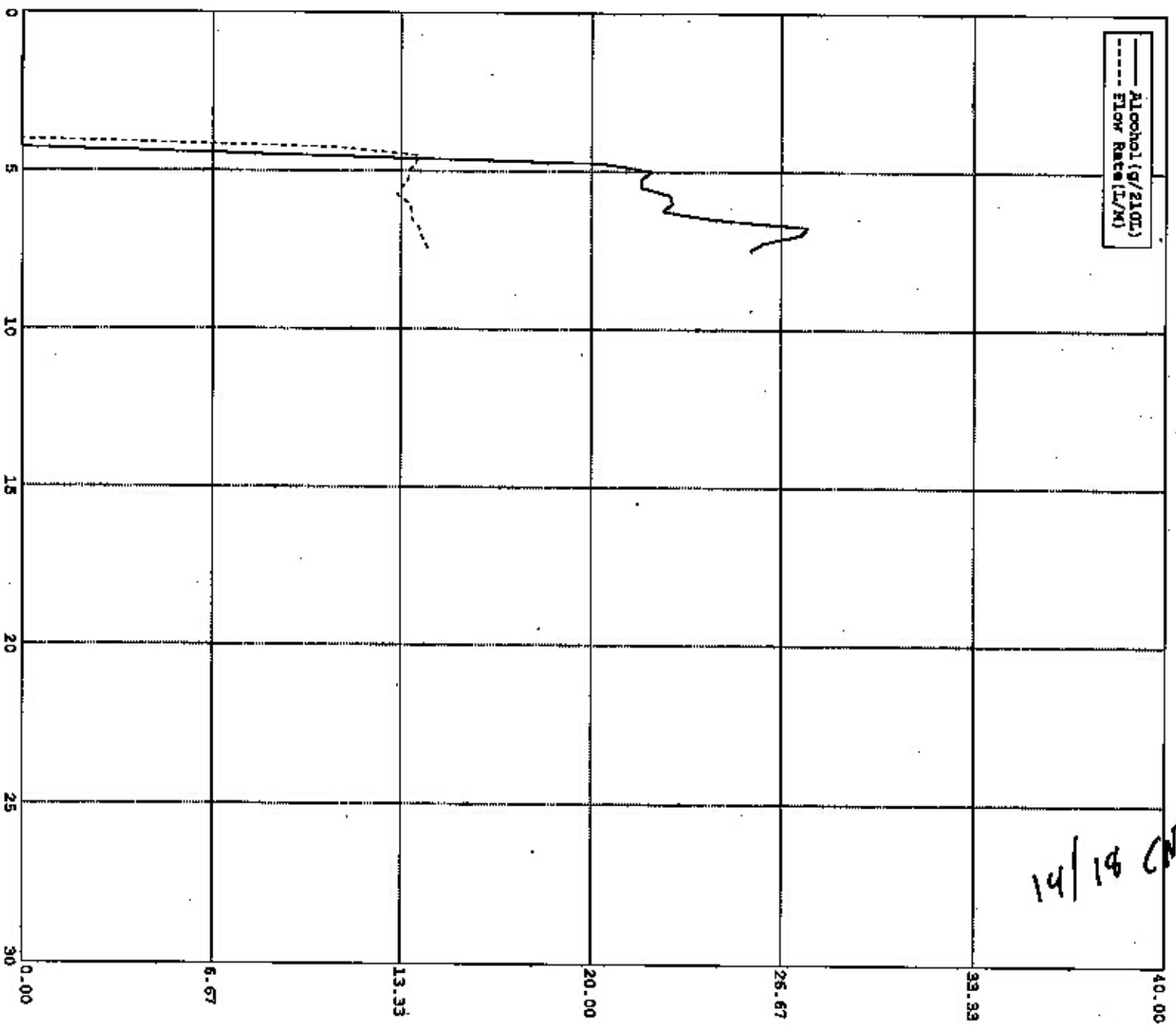
DEPT/AGENCY:
 XXXX

CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 LQF #: 02S1080A3
 EXPIRATION: 02/01/2013

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

CRF



SUBJECT TEST

Alabama Department of Public Safety
 MASTER dwt: 100405

Date: 06/03/2011
 Time: 13:34:12

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

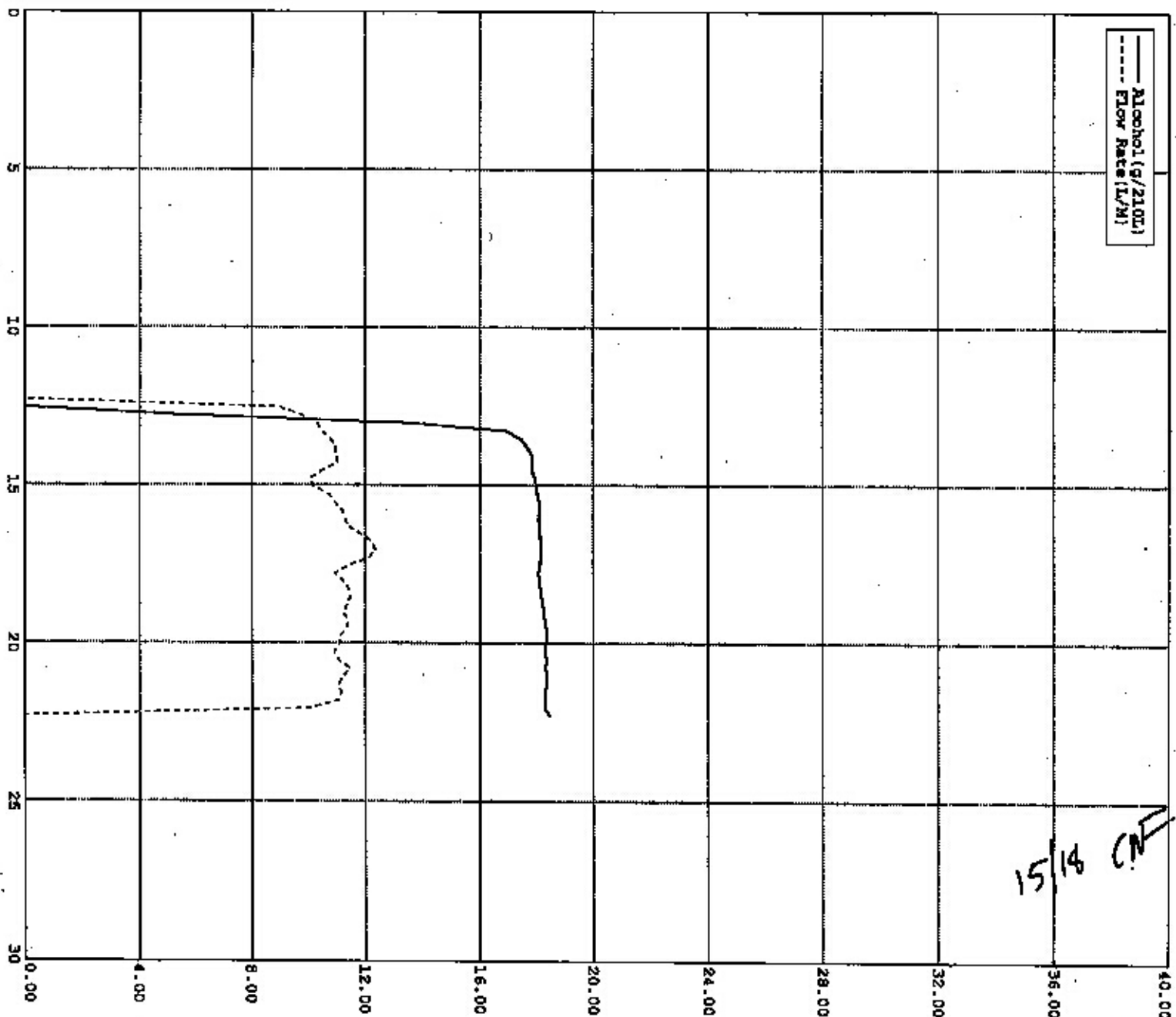
OPERATOR NAME:
 INTERFERENCE HOC AND ACETONE
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.67: 0.079
 LOT #: 0251108023
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:35
BLANK TEST	0.000	13:35
INTERNAL STANDARD	VERIFIED	13:35
EXTERNAL STANDARD	0.079	13:35
BLANK TEST	0.000	13:36
SUBJECT SAMPLE	INTERFERENCE	13:37

CRF



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER det: 100405

Date: 06/03/2011
 Time: 13:41:36

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

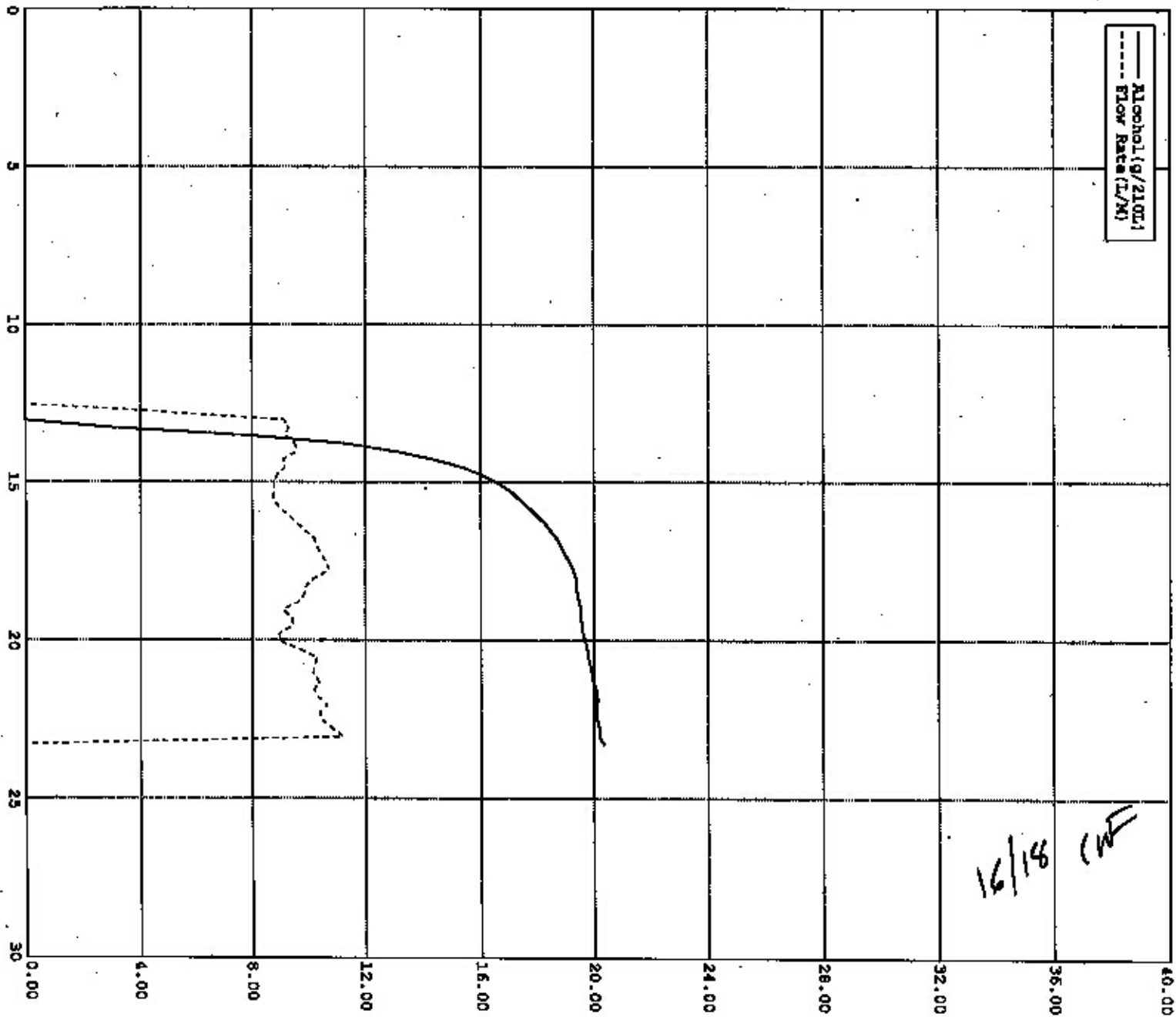
OPERATOR NAME:
 INTERFERENCE FTOH AND TPA
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.56: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:42
BLANK TEST	0.000	13:42
INTERNAL STANDARD	VERIFIED	13:42
EXTERNAL STANDARD	0.079	13:43
BLANK TEST	0.000	13:44
SUBJECT SAMPLE	INTERFERENCE	13:44

CRT



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmc: 100405

Date: 06/03/2011
 Time: 13:53:24

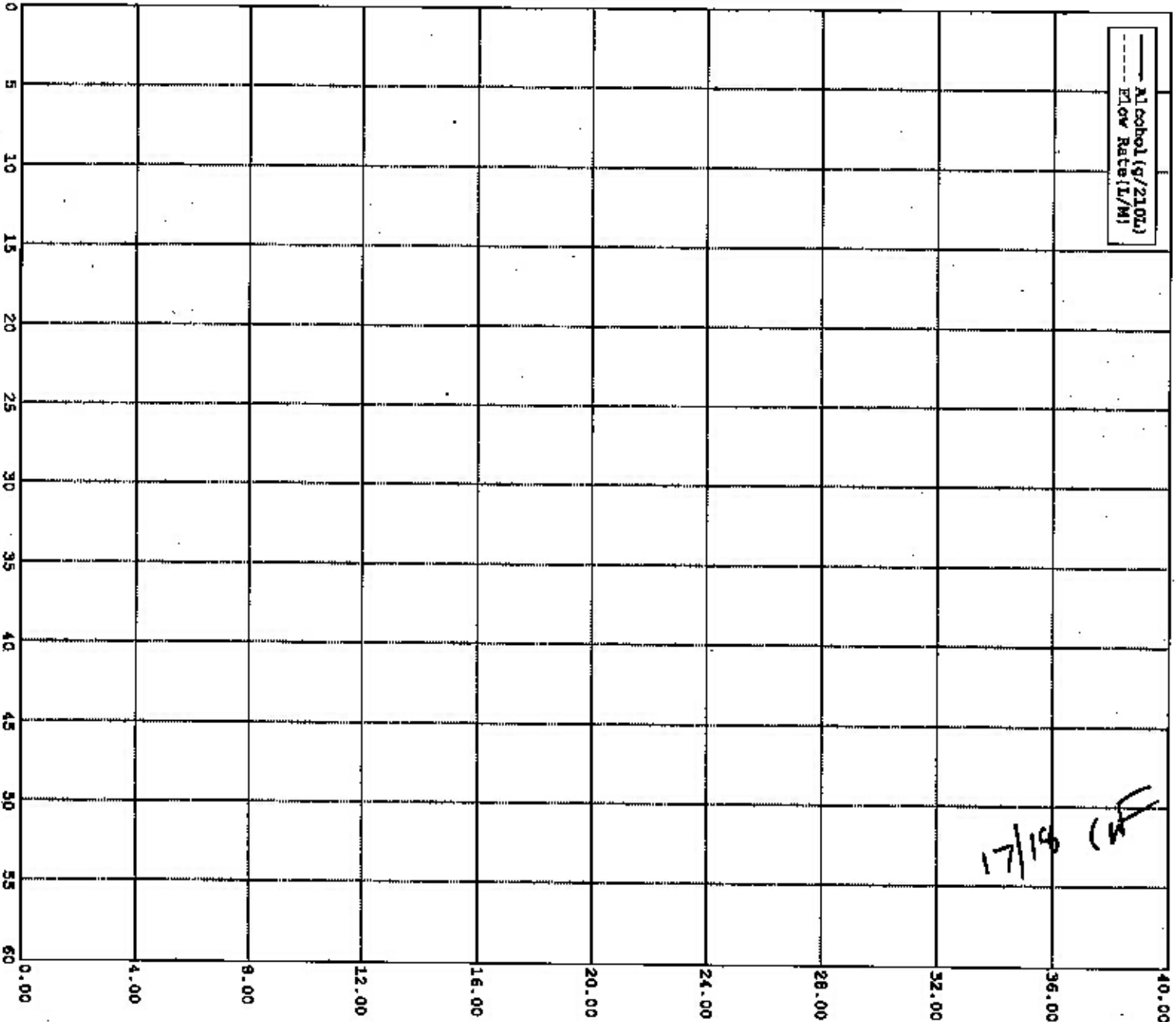
SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 RPT XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.67: 0.079
 ICF #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
 BLANK TEST PASSED 13:54
 INTERNAL STANDARD 0.000 13:55
 VERIFIED 13:55
 EXTERNAL STANDARD 0.079 13:55
 BLANK TEST 0.000 13:56
 RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATAWASTER dnt: 100405

Date: 06/03/2011
 Time: 14:29:03

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

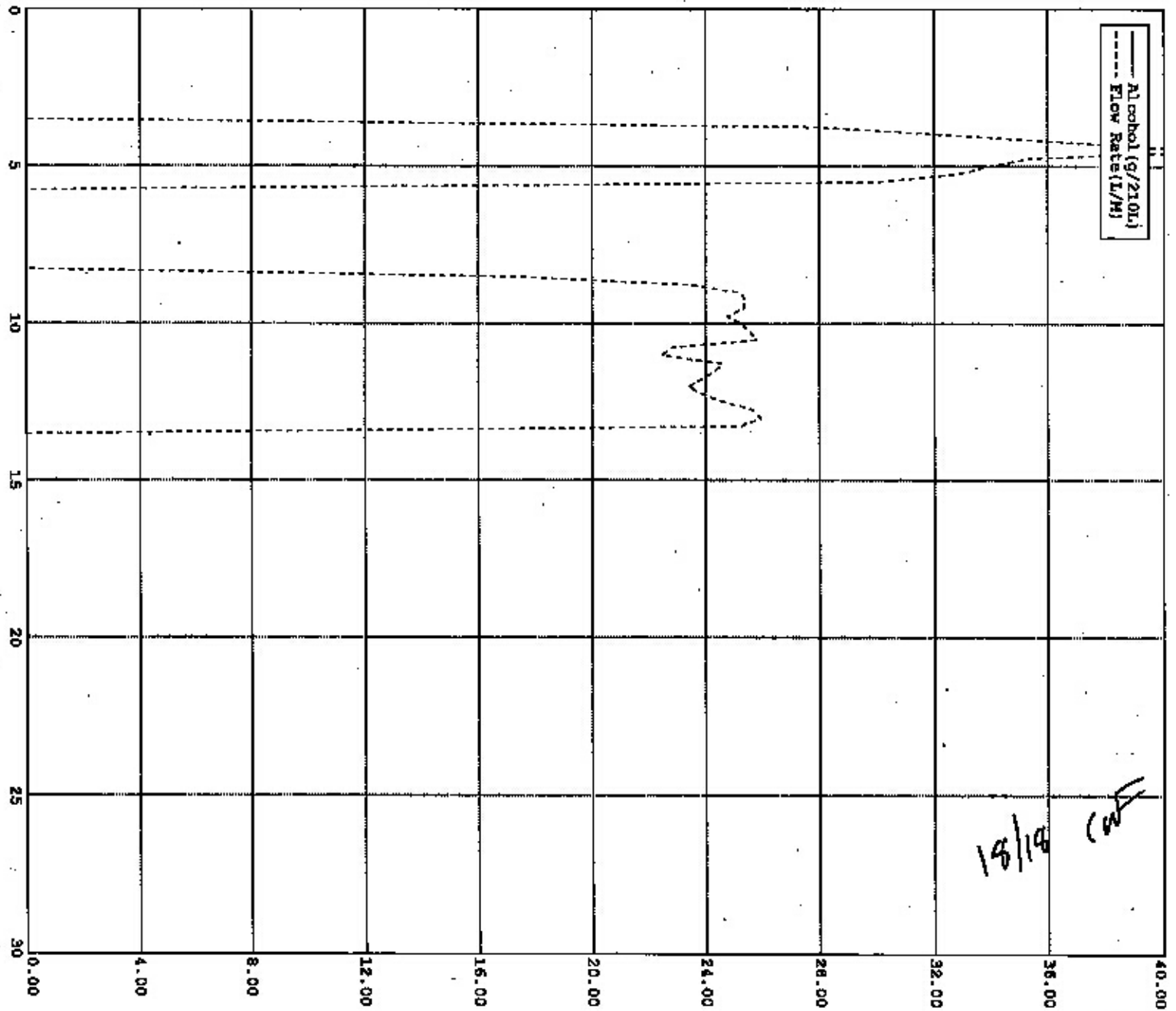
OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.67: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:30
BLANK TEST	0.000	14:30
INTERNAL STANDARD	VERIFIED	14:30
EXTERNAL STANDARD	0.079	14:30
BLANK TEST	0.000	14:31
SUBJECT SAMPLE	0.000	14:31
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.079	14:32
BLANK TEST	0.000	14:33

CRF



Final page for report

\

\\ANCSCLSAN01\JTRAX\CASEDOCS\B-100405\B-100405_ECF-20140

2/18/2014