	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 # 100398Analyst CRFDate 5/24/11

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 02811020 A1 Exp 2/1/2013
 - ii. 0.040g/210L Mnf ILMO Lot 02811040 A2 Exp 2/1/2013
 - iii. 0.080g/210L Mnf ILMO Lot 02511080 A2 Exp 2/1/2013
 - iv. 0.100g/210L Mnf ILMO Lot 05611100 A2 Exp 3/1/2013
 - v. 0.200g/210L Mnf ILMO Lot 02811200 A3 Exp 2/1/2013
 - vi. 0.300g/210L Mnf ILMO Lot 07411300 A1 Exp 3/1/2013
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/11
 1. Simulator Calibration Date 10/18/10 SN DR6267
 - ii. Isopropanol - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/11
 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)

1 of 18

Page 1 of 1

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100398

Date: 05/24/2011
Time: 14:28:36

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C PASSED
Breath Tube = 46.0°C PASSED

PUMP INFO

Flow Rate = 4.974 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 of 18
CRF

Technician Screen

DATA MASTER dmc: 100398
-----Date: 05/24/2011
Time: 2:35 PM

Temperatures (°C)

Sample Cell: 40.9°C
Breath Tube: 45.7°CCurrent Barometer 29.8 in
Volume (litre) 1.52

Settings

Lamp: 1.82 V
Bias: 79 V
Cooler: 1.64 V
Chopper: 535 Hz

Voltages (V)

Flow: 1.03 V
Detector: 0.007 V3 of 18
CRF

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100398

Date: 05/19/2011
Time: 15:01:06

SUPERVISOR NAME:
CONNIEEN S OBRYANT
CERTIFICATE #: 6237

LOT #: GJTH100
ROTTLE #: 10260
EXPIRATION: 10/25/2010

Ca	=	0.1000			
CAT	=	0.984202	0.800	<=	CAL < 1.200
b1	=	0.0000	0.0000	<=	b1 < 0.0040
b2	=	0.0077	0.0010	<=	b2 < 0.0100
b3	=	0.0007	2.0000	<=	b3 < 0.0040
Xg	=	0.0909	0.0500	<=	Xg < 0.2000
a21	=	1.228106	1.050	<=	a21 < 1.320
a31	=	0.486055	0.300	<=	a31 < 0.800

4/18
CAF

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER Date: 100398

Date: 05/26/2011
Time: 13:02:10

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
MINIMUM VALUES
OPERATOR'S #: XXXX

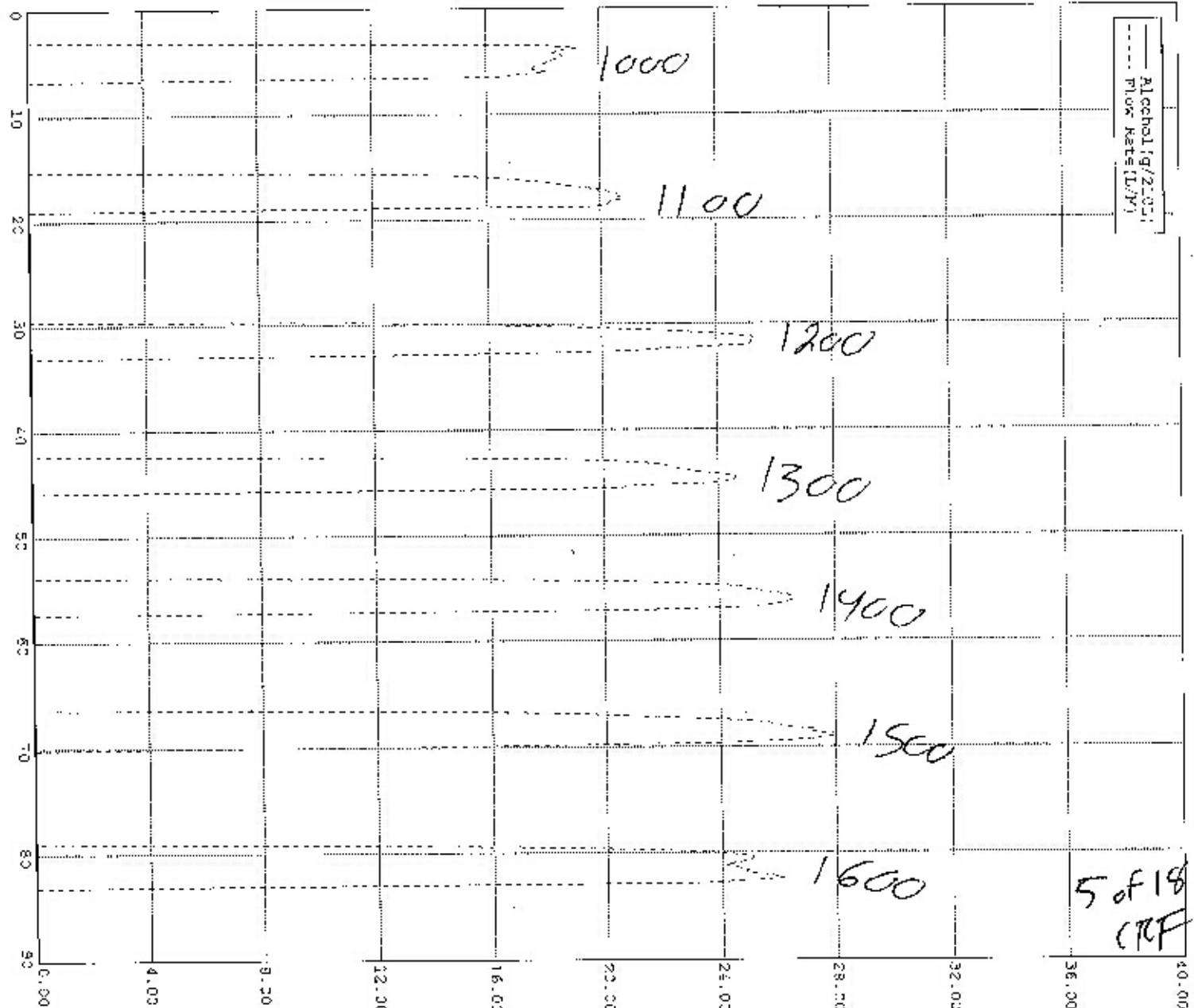
DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

KOMINAL: 0.083
TARGET AT 29.57: 2.075
EOT #: 0251108092
EXPIRATION: 02/01/2013

TEST TYPE	PASSED	13:03
PIAGNOSTIC CHECK	0.000	13:03
BLANK TEST	0.000	13:03
INTERNAL STANDARD	0.078	13:03
EXTERNAL STANDARD	0.002	13:04
BLANK TEST	0.000	13:06
SUBJECT SAMPLE	0.020	13:06
BLANK TEST	0.078	13:07
EXTERNAL STANDARD	0.000	13:08
BLANK TEST	0.000	13:08

CRF



LINERITY CHECK

Alaska Department of Public Safety
 DACAMASTER cmt: 100398

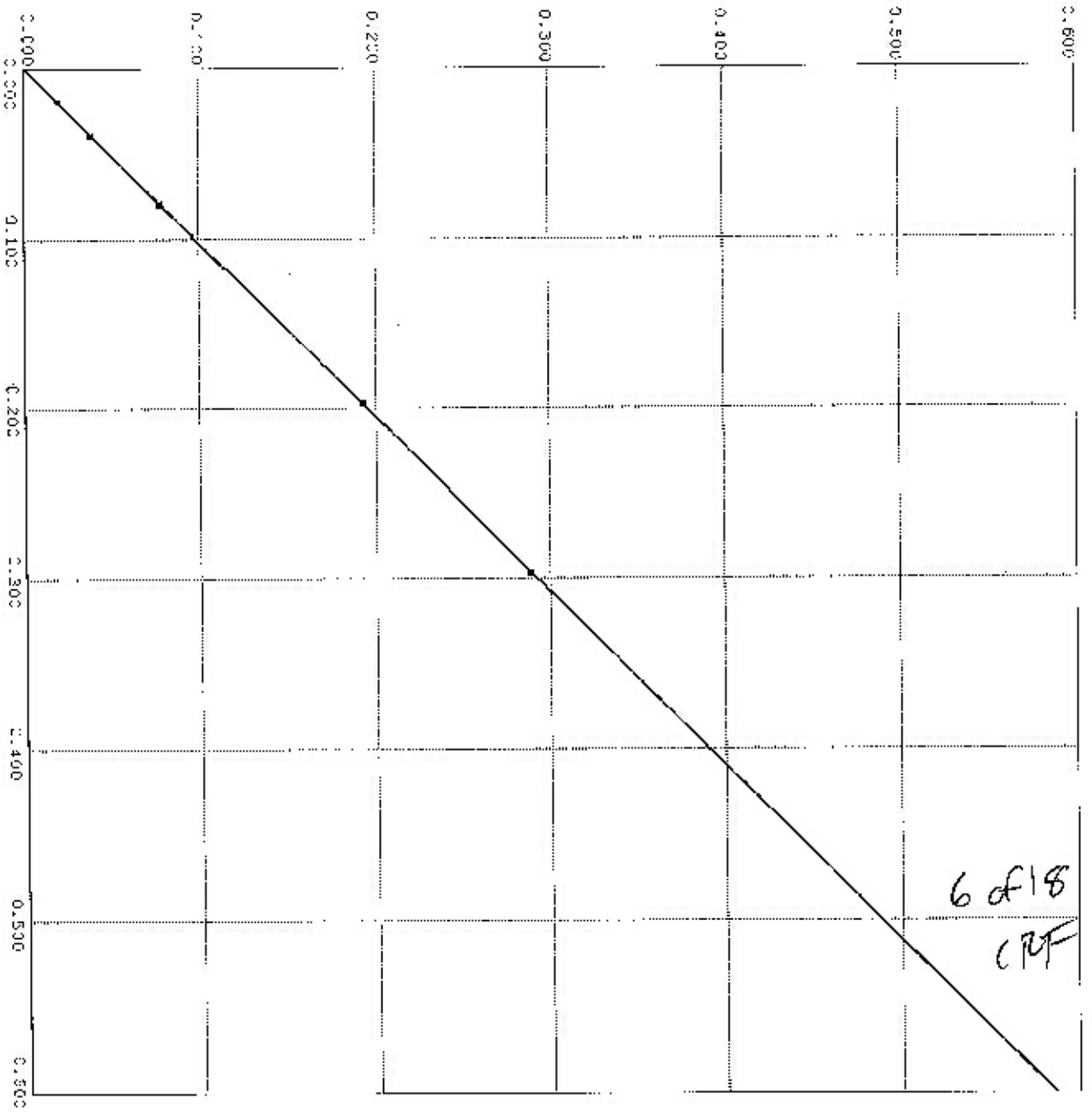
Date: 05/26/2011
 Time: 13:18:09

SUPERVISOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
1.019	0.0202	0.0004
0.039	0.0288	0.0004
0.079	0.0780	0.0000
0.098	0.0468	0.0004
0.197	0.1936	0.0009
0.296	0.2900	0.0014

SLOPE = 0.915972
 R² = 0.999995

CRF



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dnt: 100398

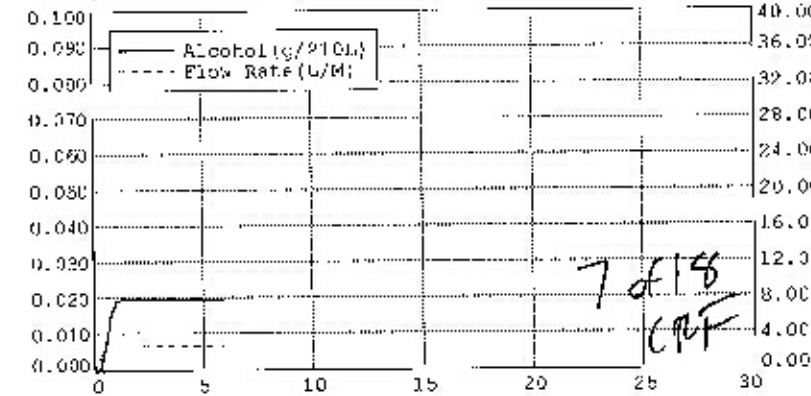
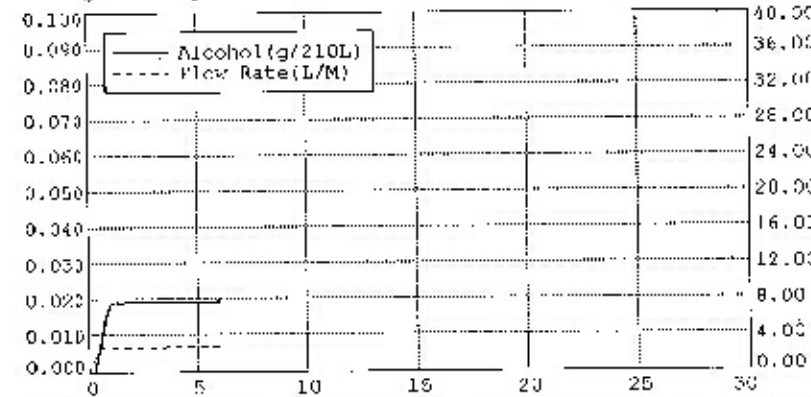
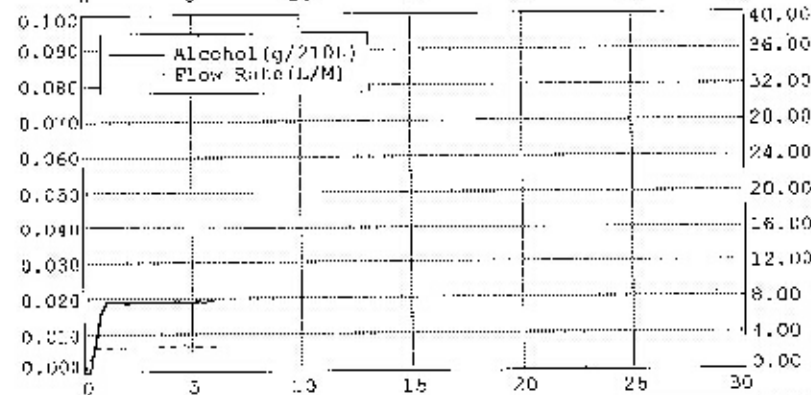
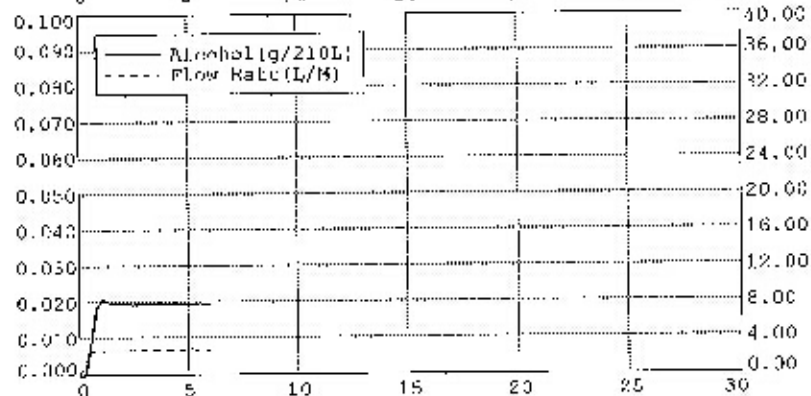
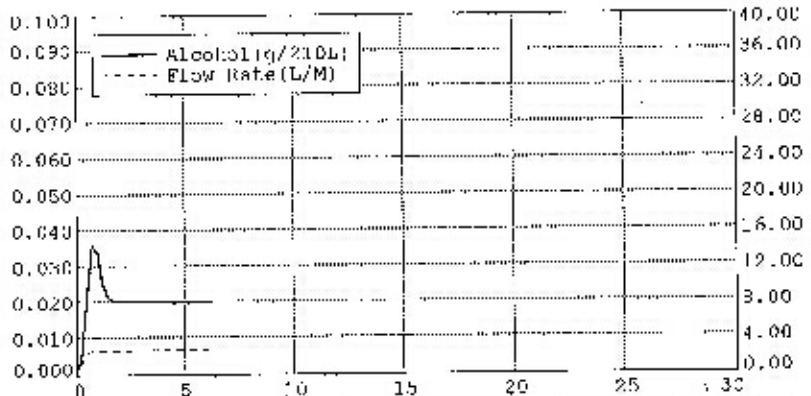
Date: 05/26/2011
 Time: 13:18:10

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.57: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:20
INTERNAL STANDARD	VERIFIED	13:20
EXTERNAL STANDARD	0.021	13:20
BLANK TEST	0.000	13:21
EXTERNAL STANDARD	0.020	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.020	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.020	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.020	13:24
BLANK TEST	0.000	13:25

Average = 0.0202
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

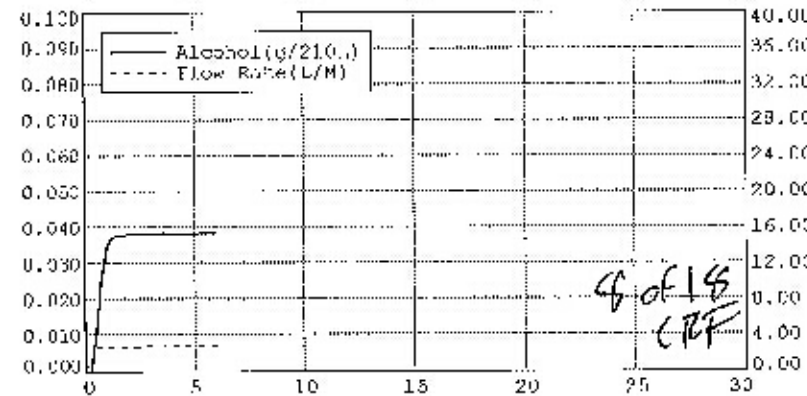
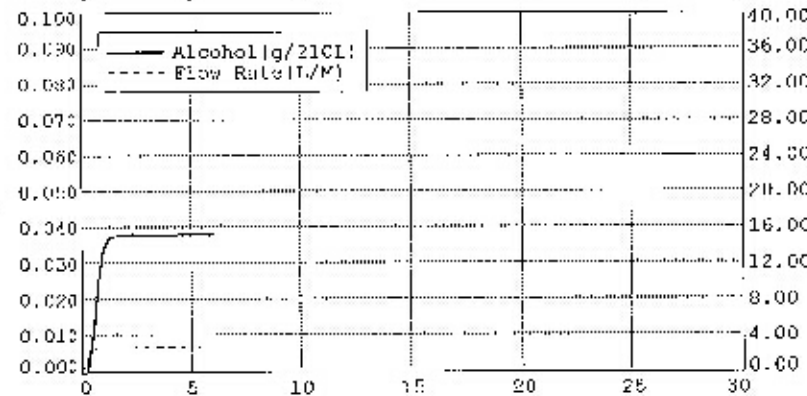
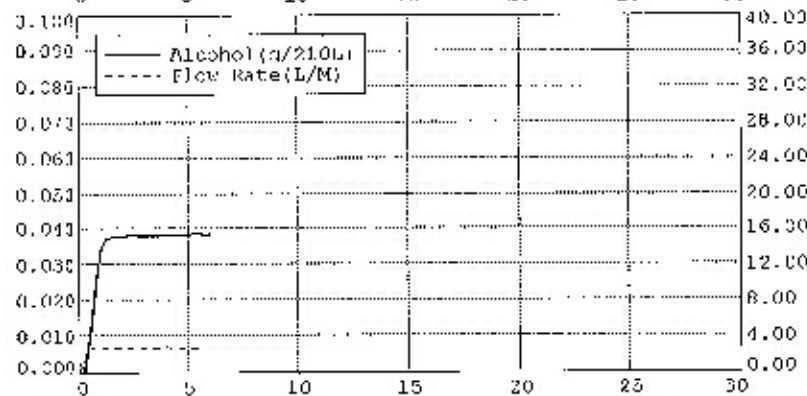
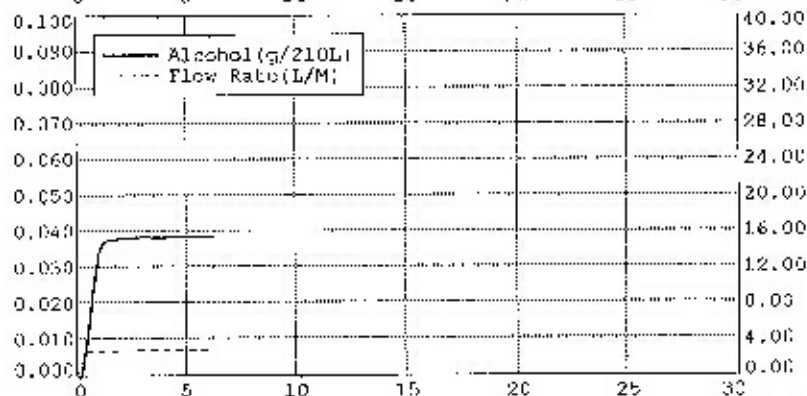
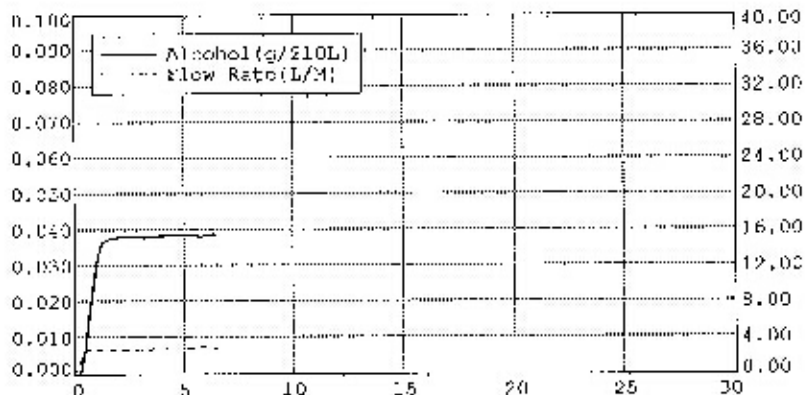
Alaska Department of Public Safety
 DATAMASTER dnt: 100398

Date: 05/26/2011
 Time: 13:28:44

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.010
 TARGET AT 29.56: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:30
INTERNAL STANDARD	VERIFIED	13:30
EXTERNAL STANDARD	0.039	13:30
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.039	13:31
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.039	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.038	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.039	13:34
BLANK TEST	0.000	13:35

Average = 0.0388
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

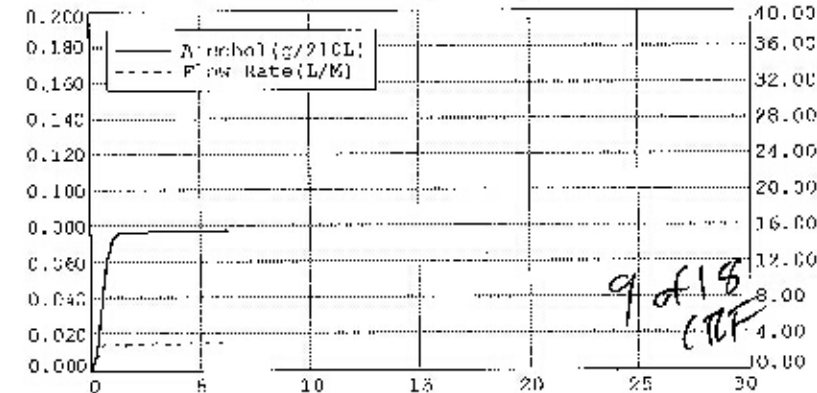
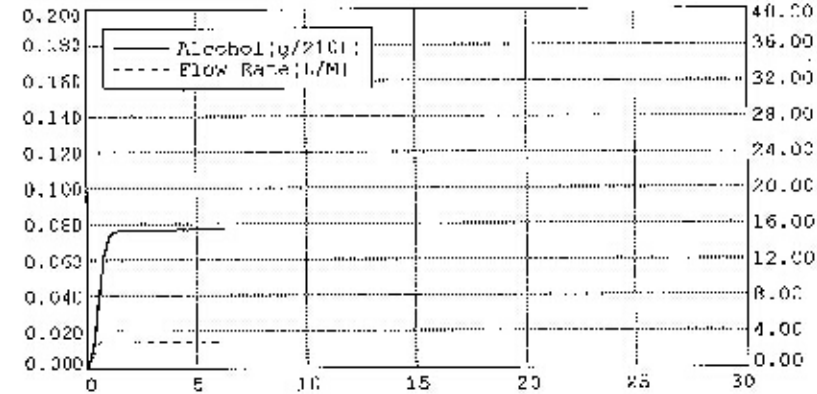
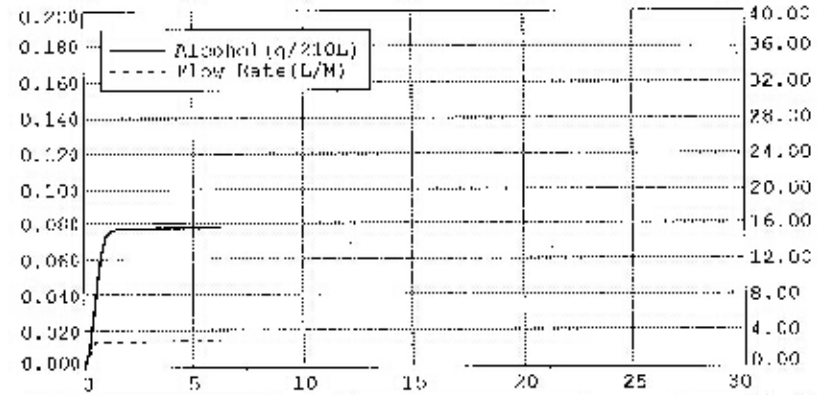
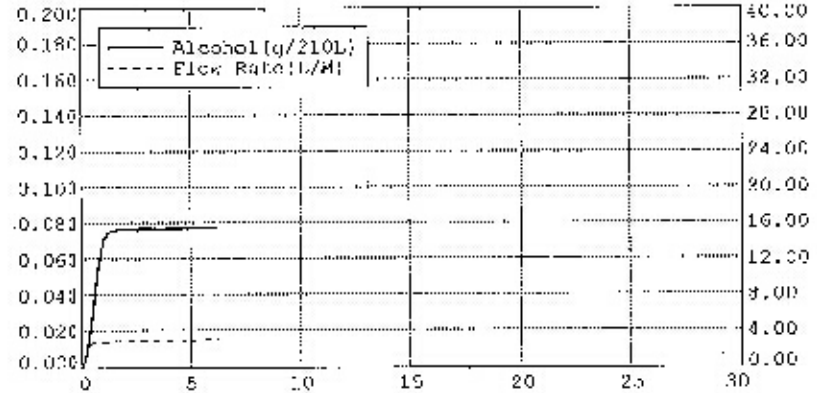
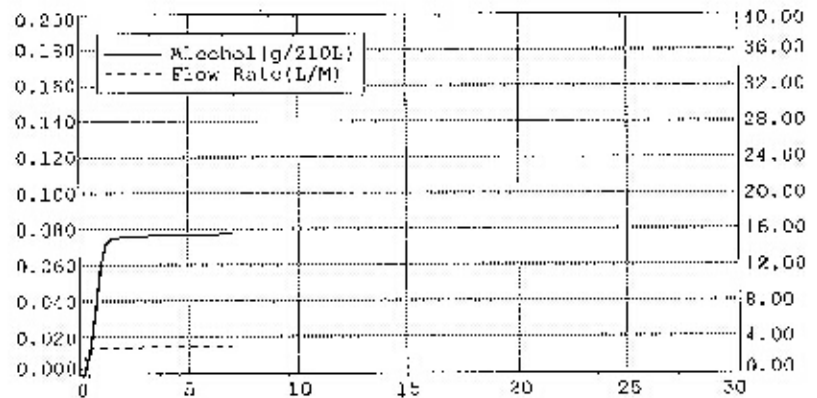
Alaska Department of Public Safety
 DATAMASTER dat: 100398

Date: 05/26/2011
 Time: 13:36:31

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AM: 29.57: 0.079
 LOT #: 02511000A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:36
INTERNAL STANDARD	VERIFIED	13:36
EXTERNAL STANDARD	0.078	13:36
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.078	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.078	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.078	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.078	13:42
BLANK TEST	0.000	13:43

Average = 0.0780
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100398

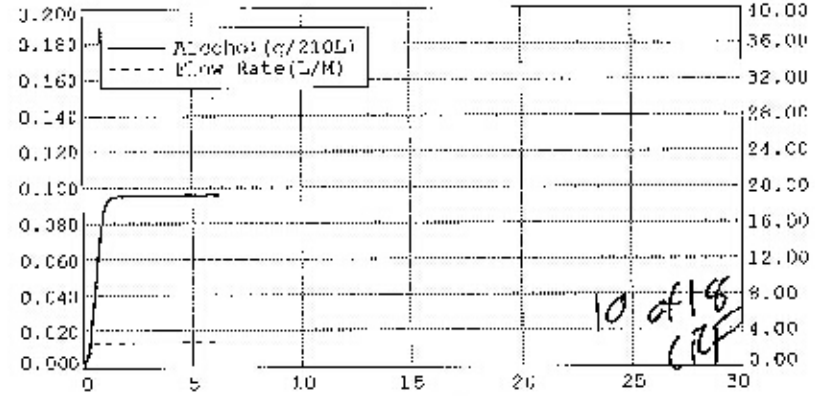
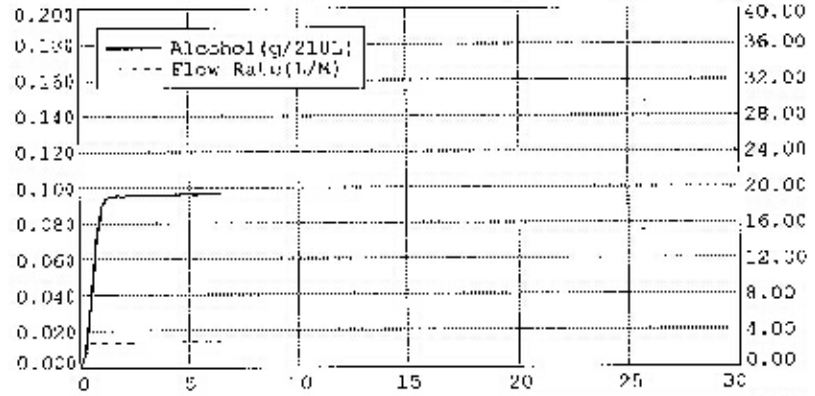
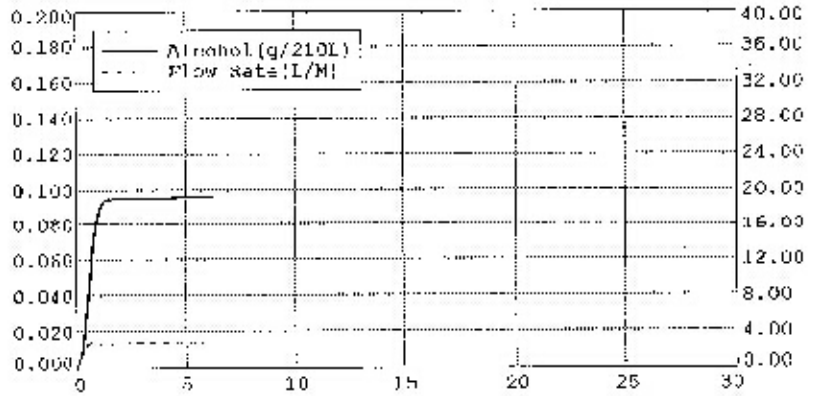
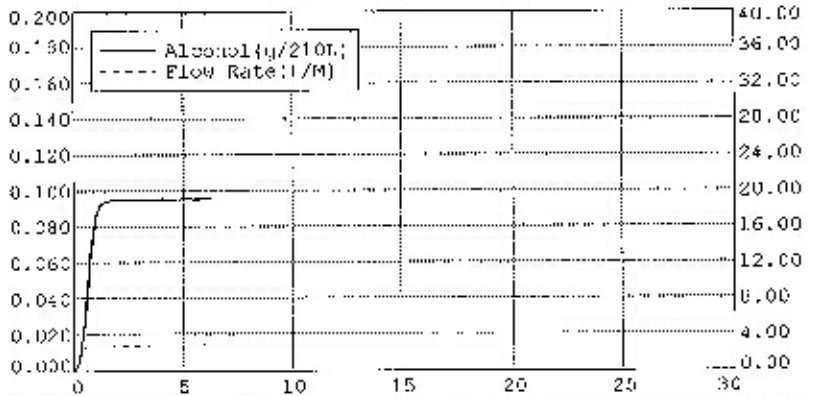
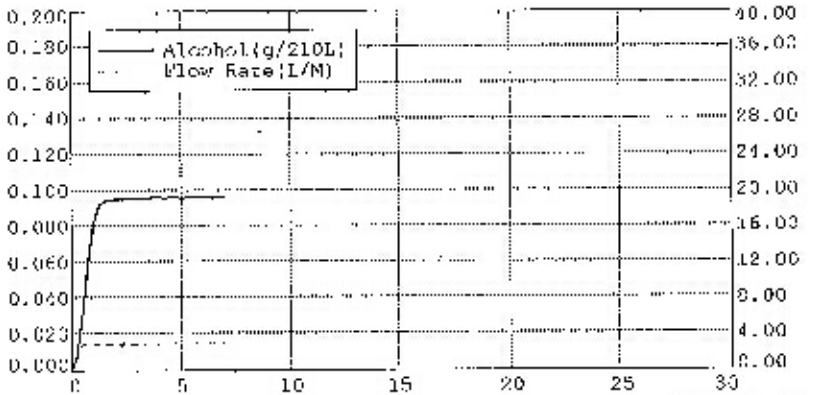
Date: 05/26/2011
 Time: 13:44:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.57: 0.098
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:46
INTERNAL STANDARD	VERIFIED	13:46
EXTERNAL STANDARD	0.097	13:46
BLANK TEST	0.000	13:47
EXTERNAL STANDARD	0.096	13:47
BLANK TEST	0.000	13:48
EXTERNAL STANDARD	0.097	13:48
BLANK TEST	0.000	13:49
EXTERNAL STANDARD	0.097	13:49
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.097	13:50
BLANK TEST	0.000	13:51

Average = 0.0968
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

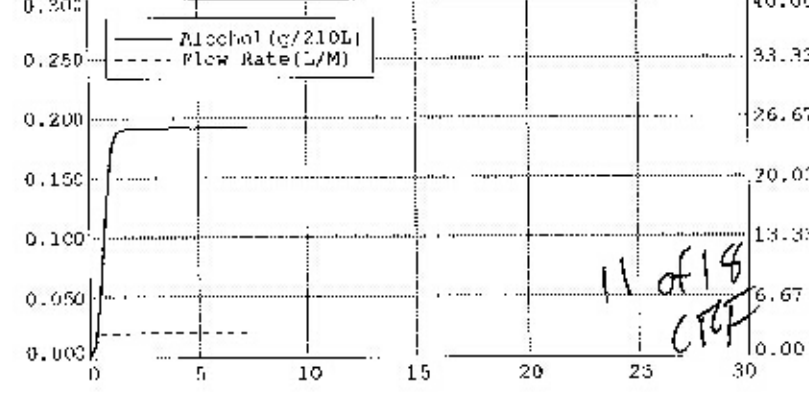
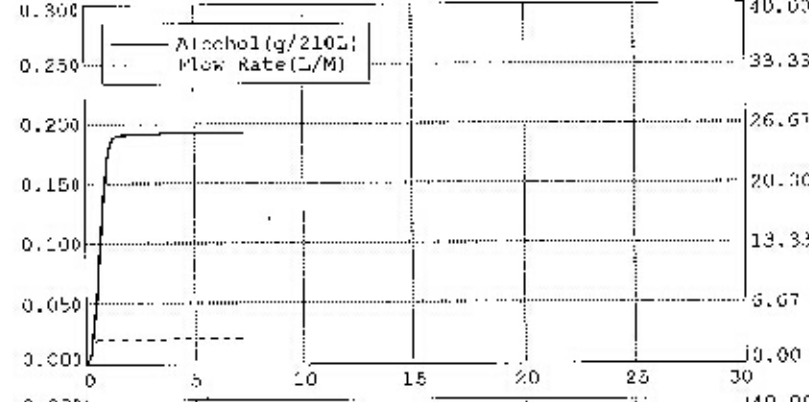
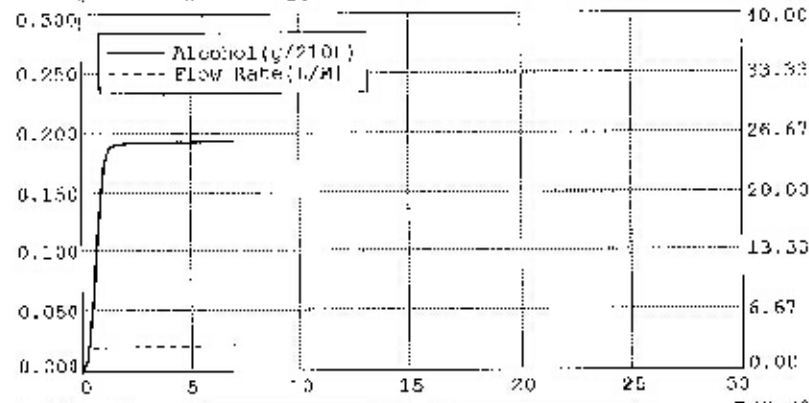
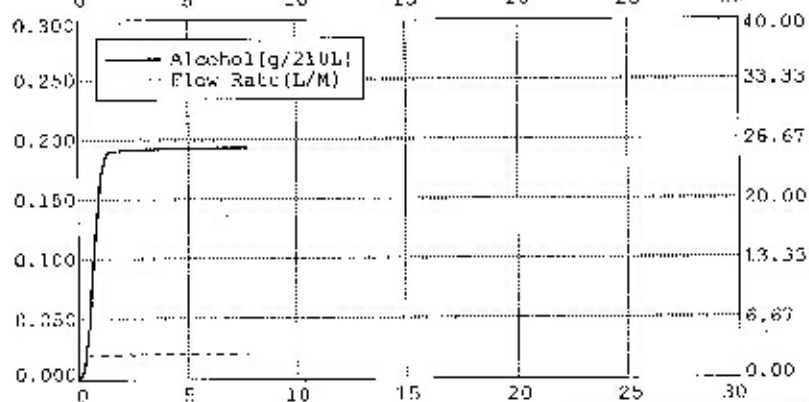
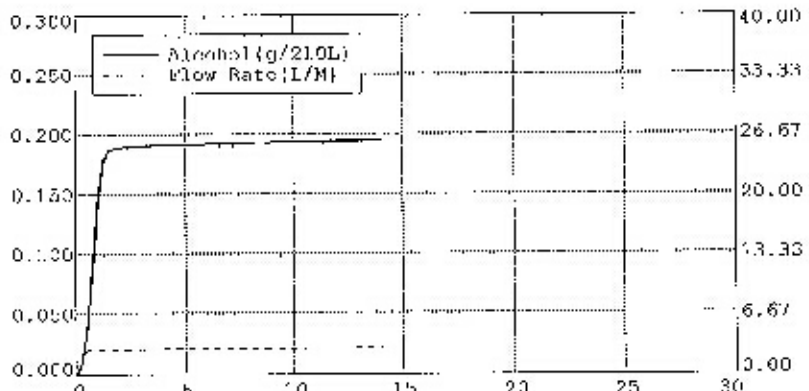
Alaska Department of Public Safety
 DATA MASTER dmt: 100598

Date: 05/26/2011
 Time: 13:53:56

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.57: 0.197
 LOT #: 02011200A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:55
INTERNAL STANDARD	VERIFIED	13:55
EXTERNAL STANDARD	0.195	13:56
BLANK TEST	0.000	13:57
EXTERNAL STANDARD	0.194	13:57
BLANK TEST	0.000	13:58
EXTERNAL STANDARD	0.193	13:58
BLANK TEST	0.000	13:59
EXTERNAL STANDARD	0.193	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.193	14:00
BLANK TEST	0.000	14:01

Average = 0.1936
 Std Dev = 0.0009



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATA MASTER dnt: 100398

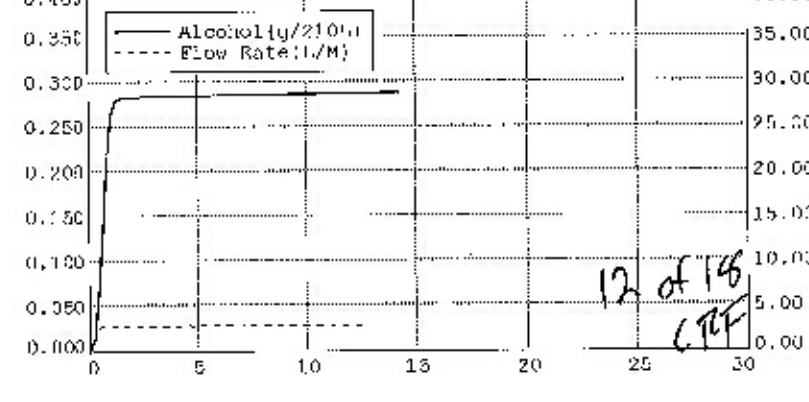
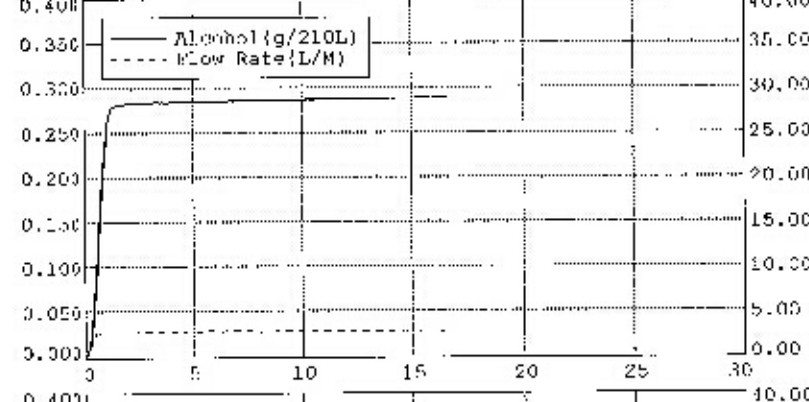
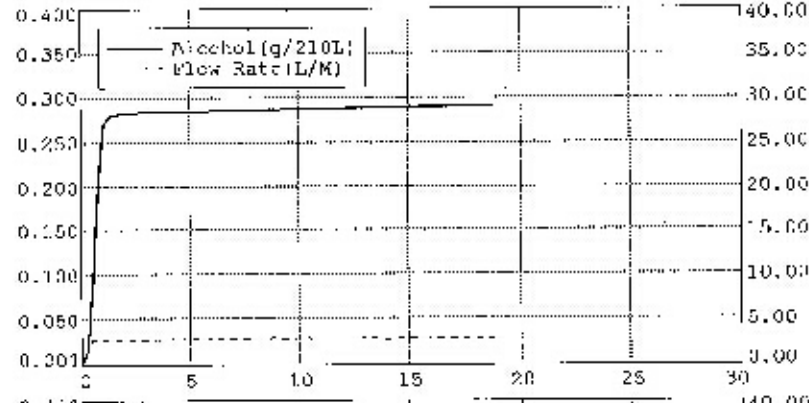
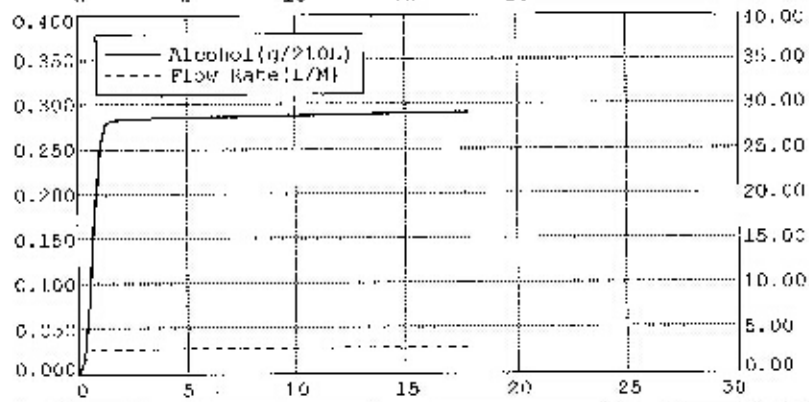
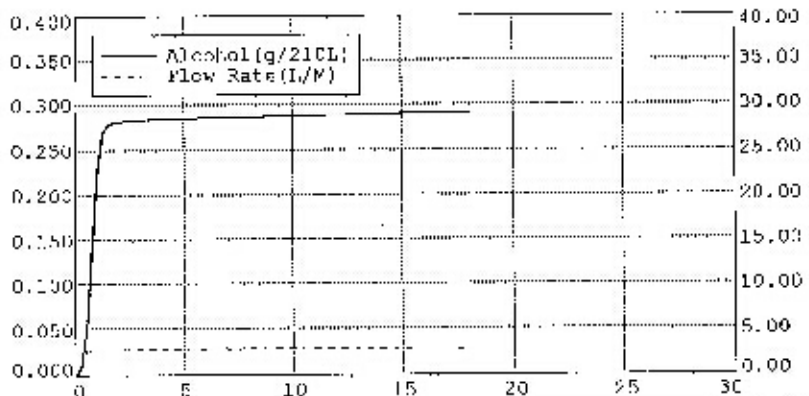
Date: 05/26/2011
 Time: 14:05:43

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.57: 0.296
 LOT #: 07411300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:07
INTERNAL STANDARD	VERIFIED	14:07
EXTERNAL STANDARD	0.291	14:07
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.291	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.291	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.289	14:12
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.288	14:14
BLANK TEST	0.000	14:15

Average = 0.2900
 Std Dev = 0.0014



12 of 148
 CFF

SUBJECT TEST

Alaska Department of Public Safety
 DDCAMPSR dcr: 100398

Date: 05/26/2011
 Time: 14:19:55

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

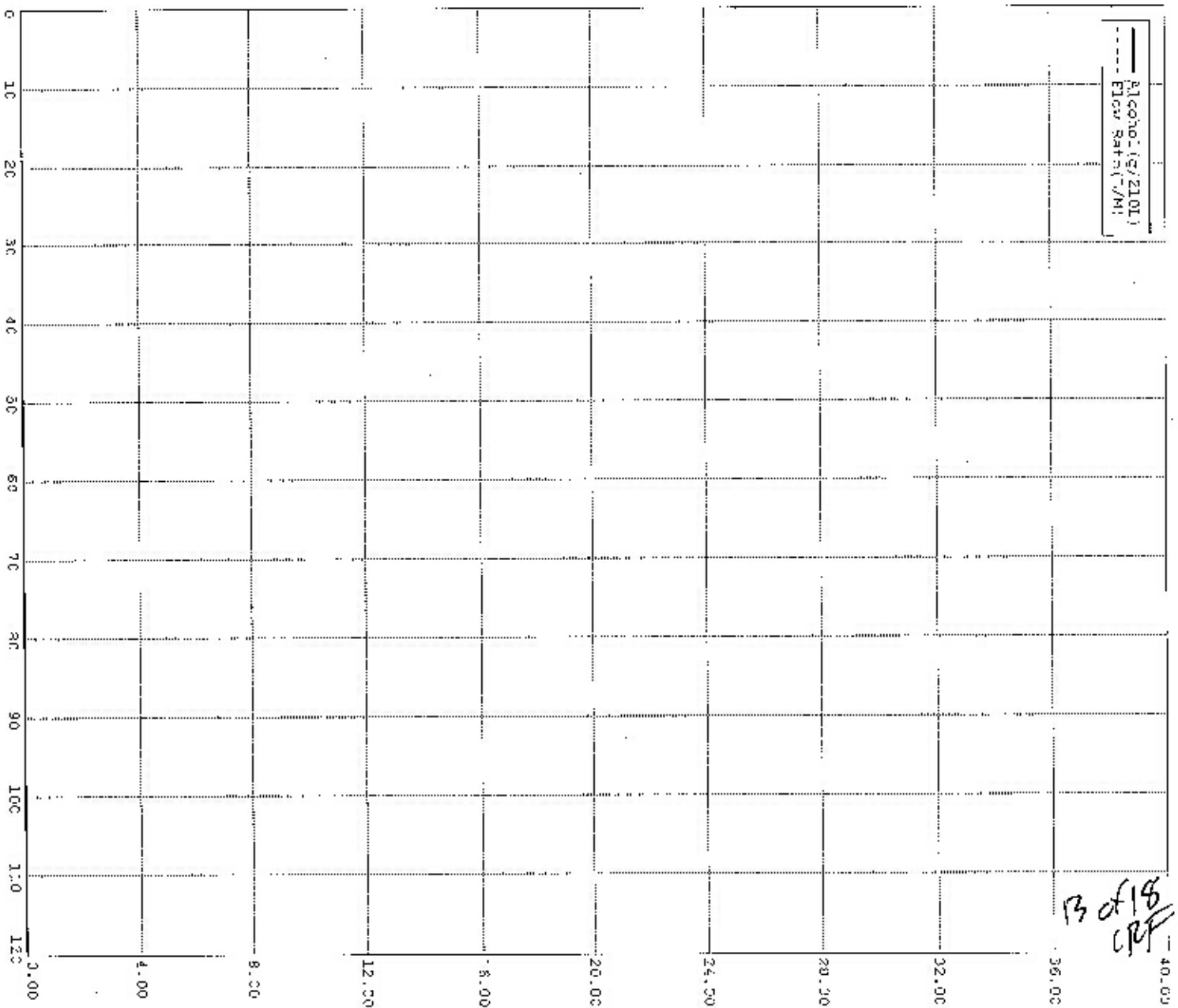
DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NUMERAL: 3.080
 TARGET AT 29.57: 0.079
 LOT #: 02611080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:21
BEAK TEST	0.000	14:21
INTERNAL STANDARD	VERIFIED	14:21
EXTERNAL STANDARD	0.079	14:21
BLANK TEST	C.000	14:22
STRIPCT SAMPLE	INCOMPLETE	14:24

CRF



13 of 18
 CRF

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER Ver: 100398

Date: 05/26/2013
 Time: 14:28:32

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INVALID KANGAR MOUPE FIOH
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.57: 0.075
 LOT #: 02511080R2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	14:29
INTERNAL STANDARD	0.078	14:29
EXTERNAL STANDARD	0.078	14:30
BLANK TEST	0.000	14:31
SUBJECT SAMPLE	INVALID	14:31

CRF



SUBJECT TEST

Alaska Department of Public Safety
DRYMASTER dmtc: 100398

Date: 05/26/2011
Time: 14:40:02

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INTERFERENCE ECHO AND ACFTONE
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 2.000
TOLERANCE: 0.079

DIAGNOSTIC CHECK	PASSED	14:41
BLANK TEST	0.000	14:41
INTERNAL STANDARD	VERIFIED	14:41
EXTERNAL STANDARD	0.078	14:41
BLANK TEST	0.000	14:42
SUBJECT SAMPLE	INTERFERENCE	14:44

CRF



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER gmt: 100398

Date: 05/26/2011
Time: 14:47:06

SUBJECT NAME:
TEST TEST
BICOMPR #: XXXX

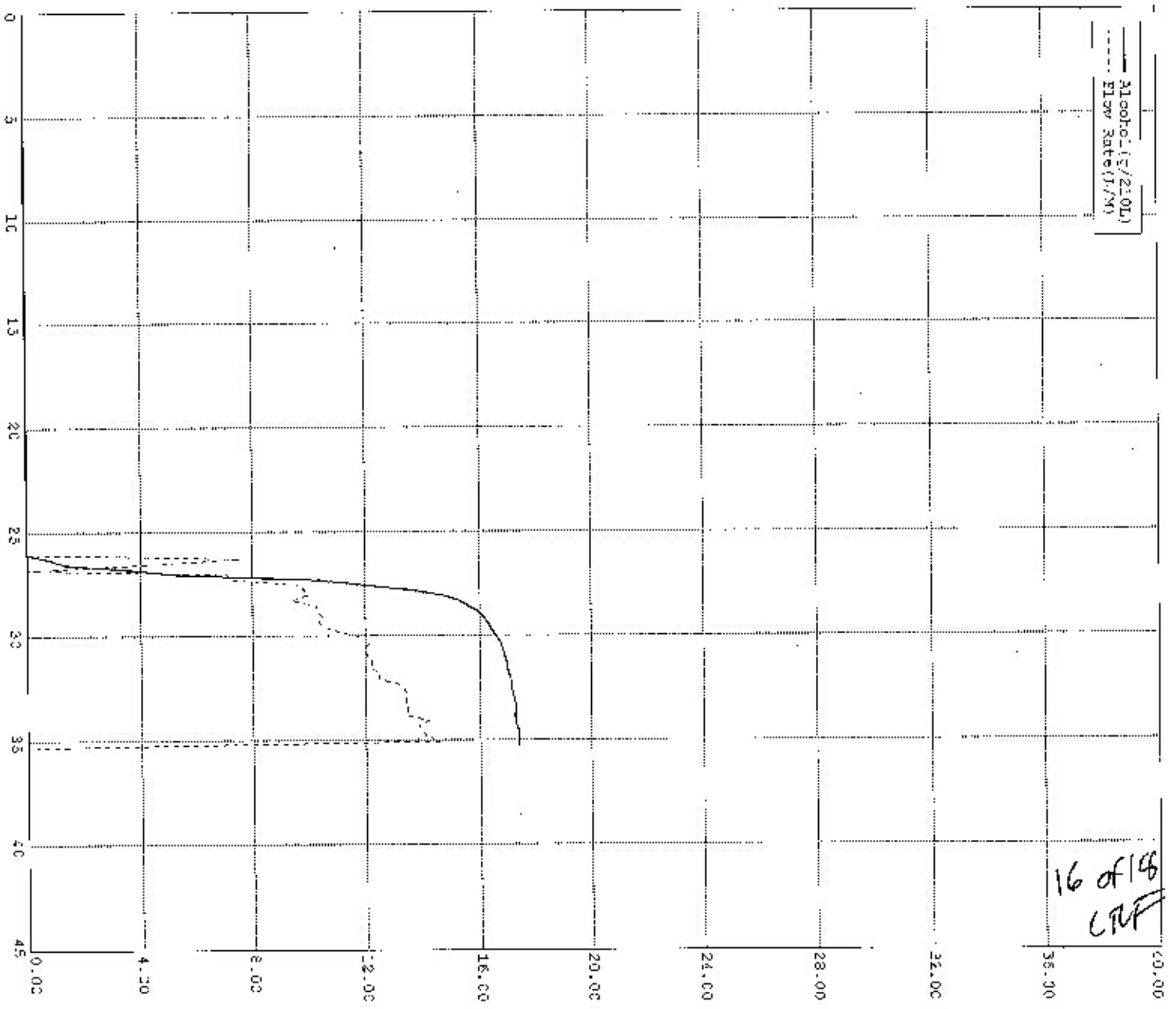
OPERATOR NAME:
INTERFERENCE ETCU AND IPA
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOW NM1: 0.080
TARGET AT 29.57: 0.079
LOT #: 0251108092
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:49
MARK TEST	0.000	14:49
INTERNAL STANDARD	VERIFIED	14:49
EXTERNAL STANDARD	0.078	14:52
ALARM TEST	0.000	14:52
SUBJECT SAMPLE	INTERFERENCE	14:51

CRF



SUBJECT TEST

Alaska Department of Public Safety
DYNAMASCREEN dnt: 100398

Date: 05/26/2011
Time: 14:56:57

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

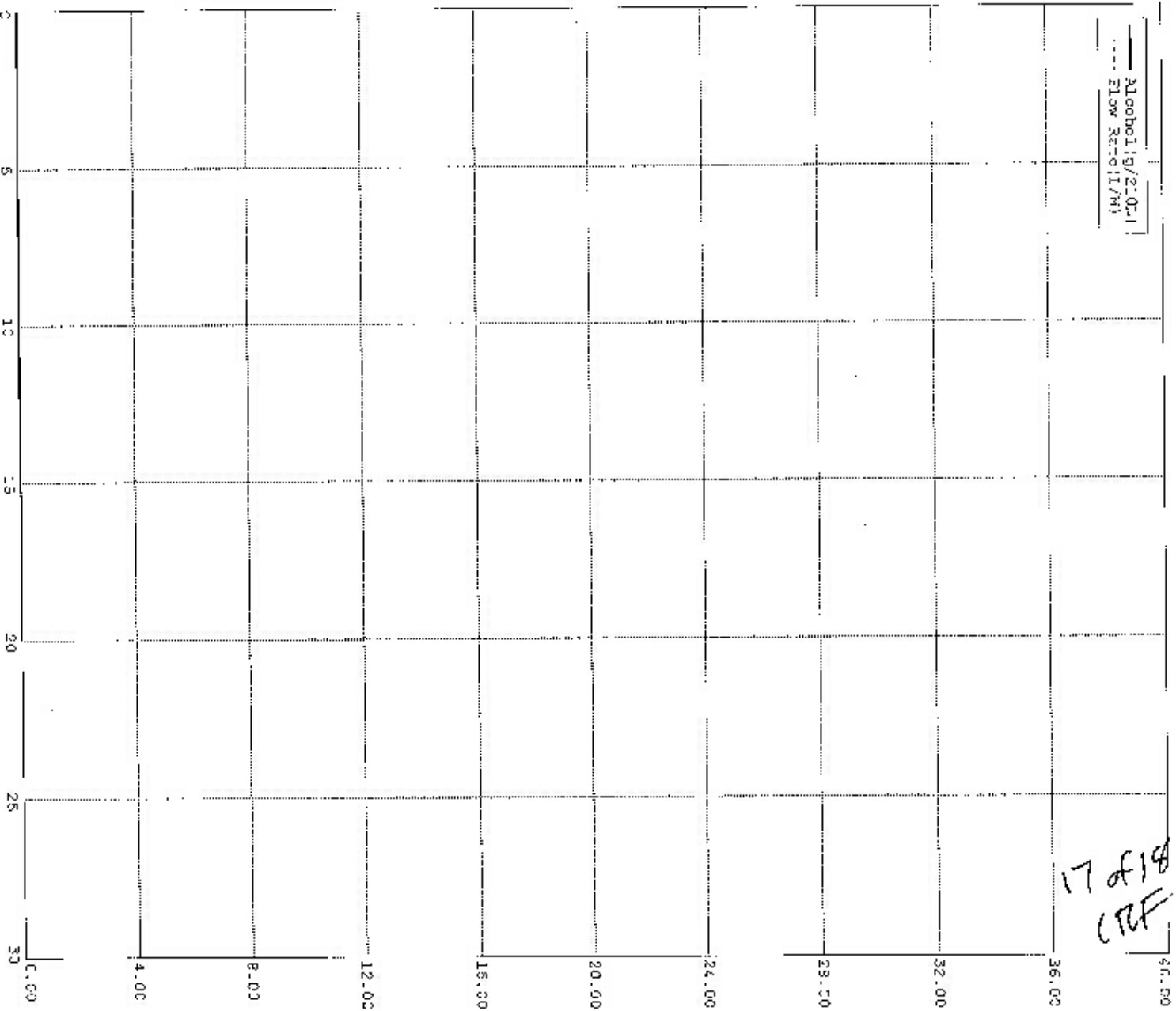
OPERATOR NAME:
RF XXXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NORMVAL: 0.080
TARGET AT 29.57: 0.079

DIAGNOSTIC CHECK	PASSED	14:58
BLANK TEST	0.000	14:58
INTERNAL STANDARD	VERIFIED	14:58
EXTERNAL STANDARD	0.078	14:59
ALPK TEST	1.000	15:00

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER Gmc: 1C0398

Date: 05/26/2011
 Time: 15:35:45

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

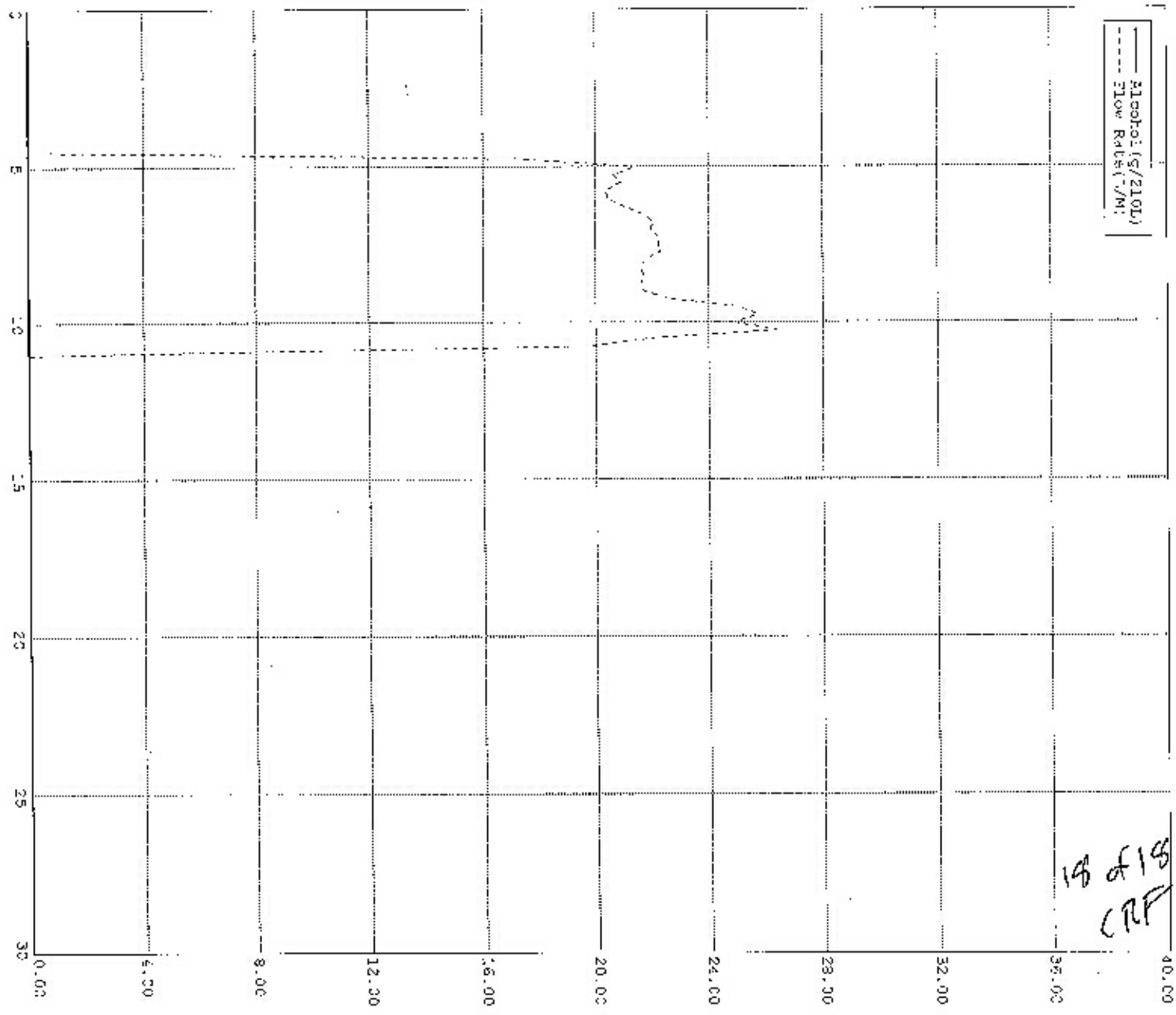
OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

DEPT/AGENCY:
 SCDL
 CASE/ALCOH: XXXX
 TEST YR: TEST

EXTERNAL STANDARD INFORMATION
 MONITOR: 2.080
 TARGET AT 29.57: 0.579

DIAGNOSTIC CHECK	BASED	15:36
BLANK TEST	0.000	15:36
INTERNAL STANDARD	VERIFIED	15:37
EXTERNAL STANDARD	2.079	15:37
BLANK TEST	0.000	15:38
SUBJECT SAMPLE	0.000	15:38
BLANK TEST	0.000	15:39
EXTERNAL STANDARD	0.079	15:39
BLANK TEST	0.000	15:40

CRF



Final page for report

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2/19/2014