	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 # 100414Analyst 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 1500 mL

5. Dry Gas Linearity Test (attached)

- a. Levels Used
 - i. 0.020g/210L Mnf ^{CRF} 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 33609090A1 Exp 1/1/12
 - iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 3/1/2013
 - v. 0.200g/210L Mnf ILMO Lot 07611200A2 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 Gerth Lot 09340 Level 0.080 Exp 12/2/2011
 1. Simulator Calibration Date 10/18/10 SN DR6267
- ii. Isopropanol - Mnf Gerth Lot 09340 Level 0.080 Exp 12/2/2011
 1. Simulator Calibration Date 8/4/10 SN 5D1202

d. RFI

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

CRF
1 of 18

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100114

Date: 05/24/2011
Time: 14:31:04

VERSIONS

DMI: 1.01
PTC: 3.02
Modem: 2.0
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 45.9°C PASSED

PUMP INFO

Flow Rate = 5.199 L/K PASSED

DETECTOR INFO

PUMP ON PASSED
PUMP OFF PASSED

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

PASSED

CRF
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Technician Screen

DATALOGMASTER dnt: 100414

Date: 05/24/2011
Time: 2:38 PM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 43.5°CCurrent Barometer 29.8 in
Volume (Ltr) 1.55

Settings

Lamp: 1.85 V
Bias: 79 V
Cooler: 1.61 V
Chopper: 533 Hz

Voltages (V)

Flow: 1.05 V
Detector: 3.059 VCRF
3 of 18

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100414

Date: 05/18/2011
Time: 14:24:08

SUPERVISOR NAME:
COLLEEN S OBRYAN
CERTIFICATE #: 6237

LOT #: GCTH10C
BOTTLE #: 10260
EXPIRATION: 10/25/2010

Ca	=	0.1000		
CAL	=	0.986849	0.800	<= CAL < 1.200
b1	=	0.0002	0.0000	<= b1 < 0.0040
b2	=	0.0046	0.0010	<= b2 < 0.0100
b3	=	0.0033	0.0000	<= b3 < 0.0040
Xg	=	0.0865	0.0500	<= Xg < 0.2000
a21	=	1.125000	1.050	<= a21 < 1.300
a31	=	0.489070	0.300	<= a31 < 0.800

CRF
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SUBJECT TEST

Alaska Department of Public Safety
 DATABASE dmc: 100414

Date: 05/26/2011
 Time: 12:51:17

SUBJECT NAME:
 TEST TEST:
 LICENSE #: XXXX

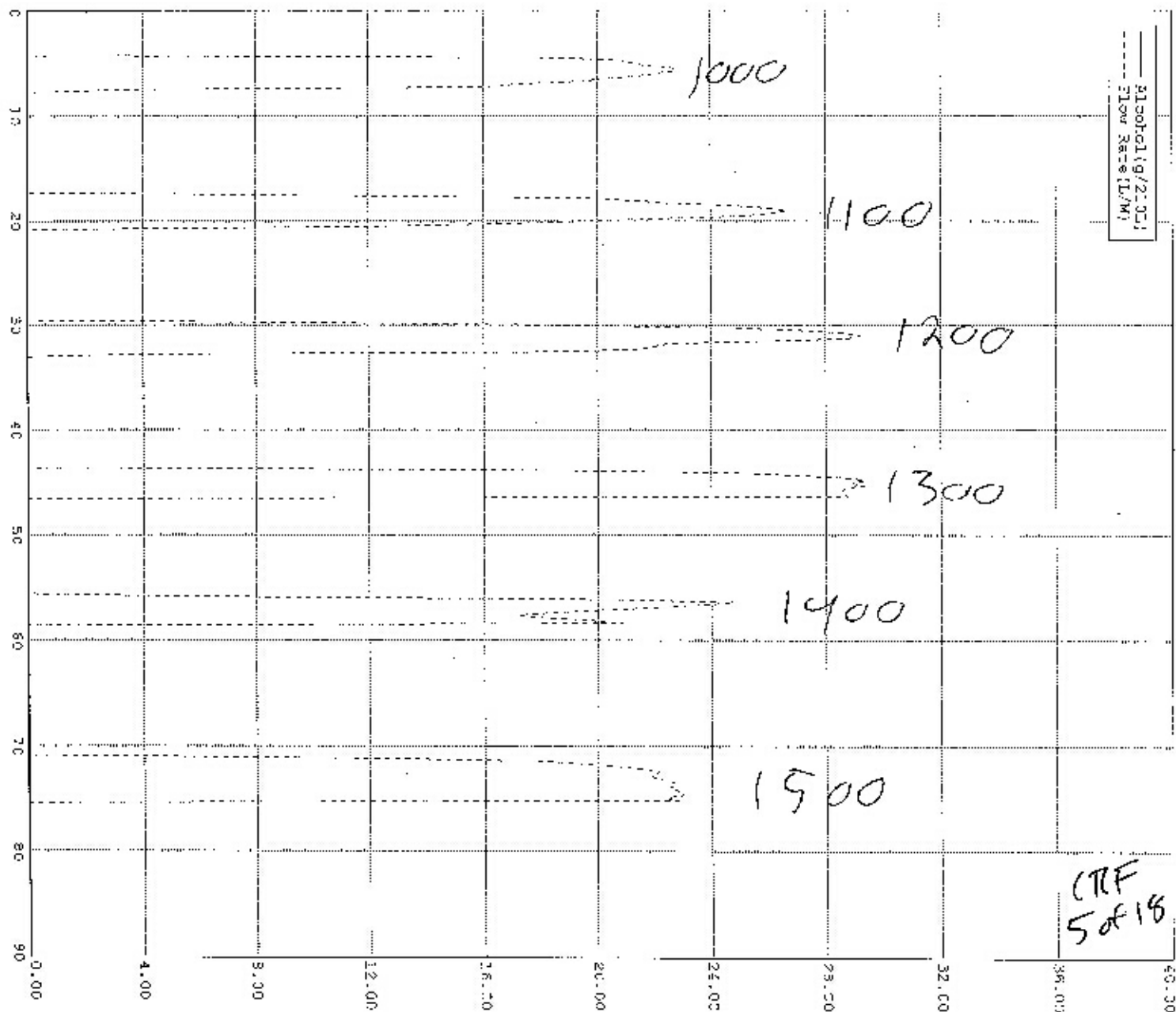
OPERATOR NAME:
 WITNESS VOLUME:
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.085
 TARGET AT 29.57: 0.079
 LOG #: 33605380A1
 EXPIRATION: 31/01/2012

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	12:52
INTERNAL STANDARD	0.079	12:52
EXTERNAL STANDARD	0.000	12:53
BLANK TEST	0.000	12:55
SUBJECT SAMPLE	0.000	12:55
BLANK TEST	0.079	12:56
EXTERNAL STANDARD	0.000	12:57
BLANK TEST	0.000	12:57

CRF



LINERITY CHECK

Alaska Department of Public Safety
DATAMETER dnt: 100414

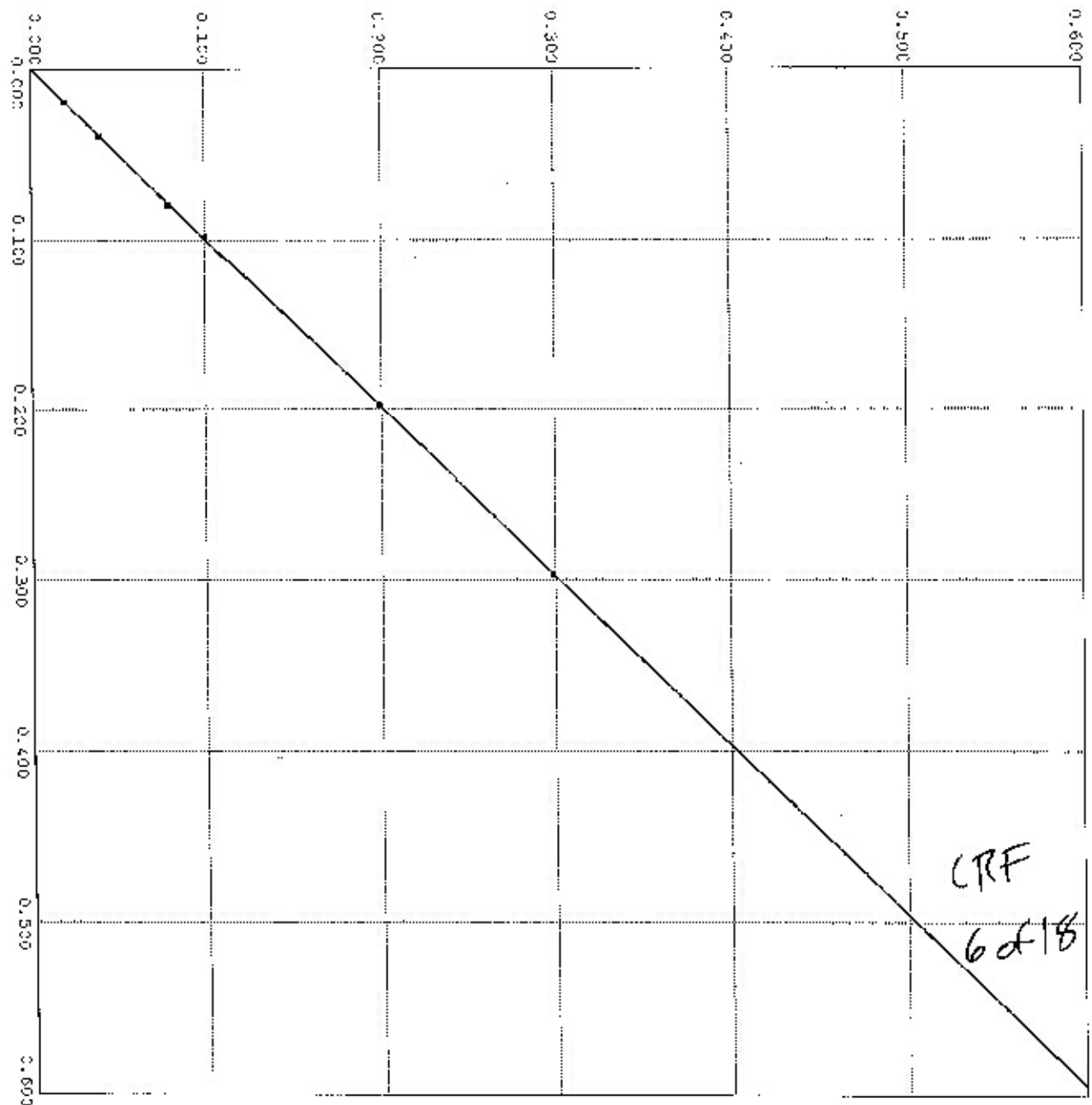
Date: 05/26/2011
Time: 15:19:35

SUPERVISOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.019	0.0298	0.0009
0.039	0.0396	0.0005
0.079	0.0794	0.0005
0.098	0.1012	0.0008
0.197	0.1994	0.0009
0.296	0.2992	0.0026

SLOPE = 1.009274
R² = 0.999966

CRF



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmc: 100614

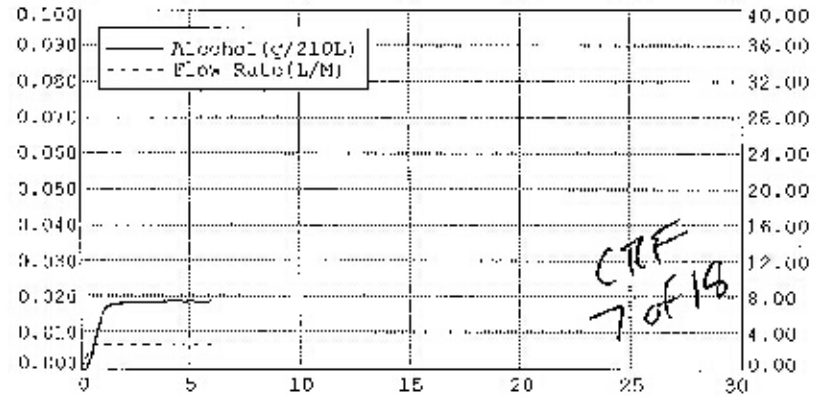
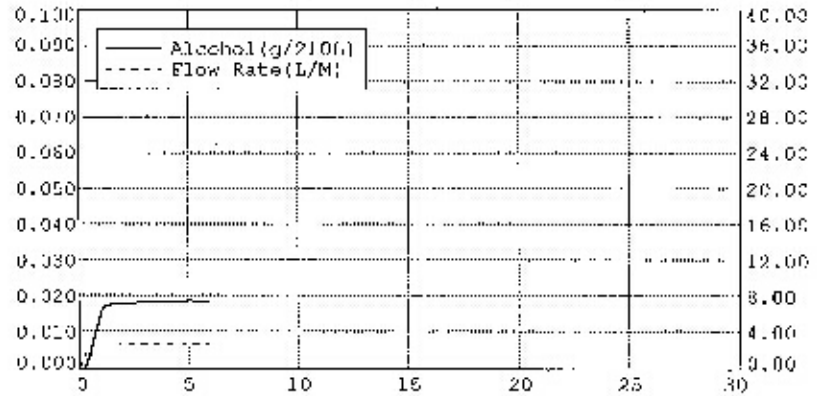
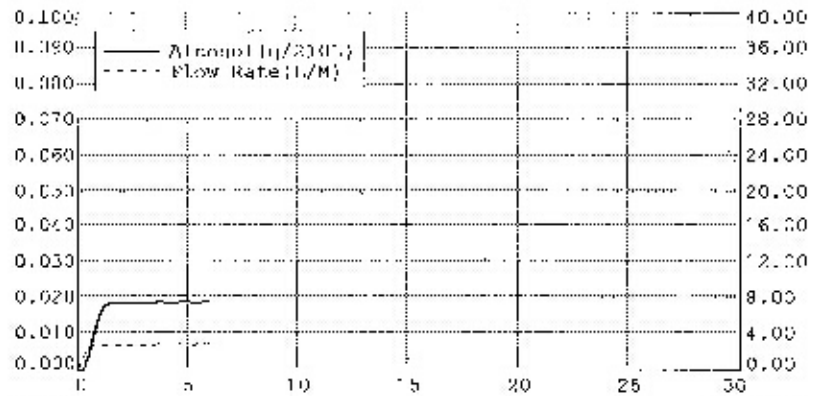
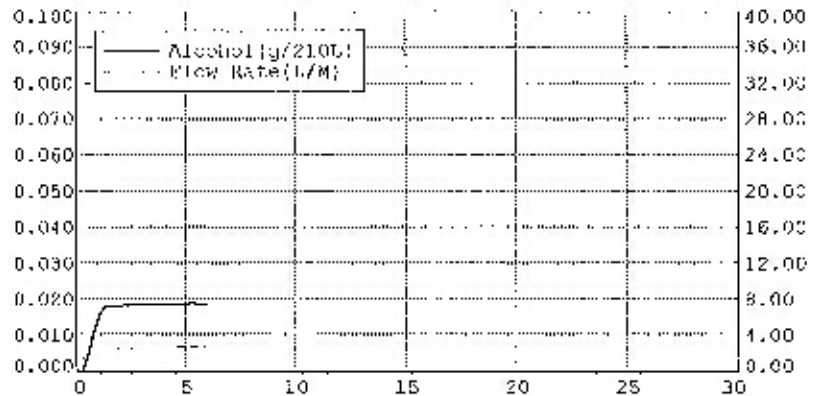
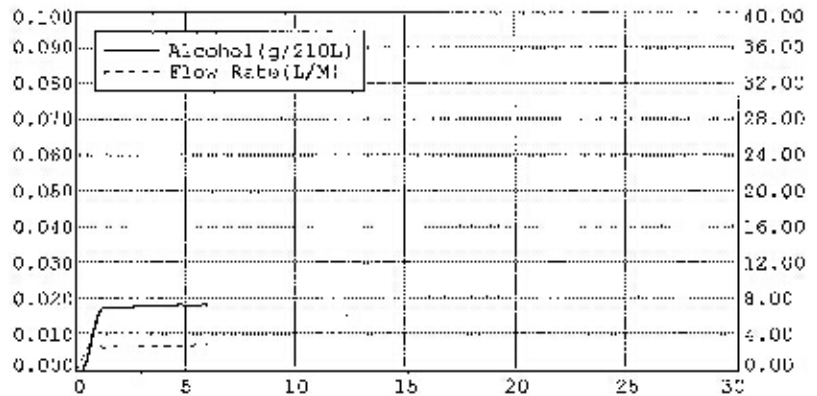
Date: 05/26/2011
 Time: 13:19:36

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.56: 3.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:20
INTERNAL STANDARD	0.019	13:20
EXTERNAL STANDARD	0.019	13:21
BLANK TEST	0.000	13:21
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
EXTERNAL STANDARD	0.020	13:25
BLANK TEST	0.000	13:26

Average = 0.0198
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

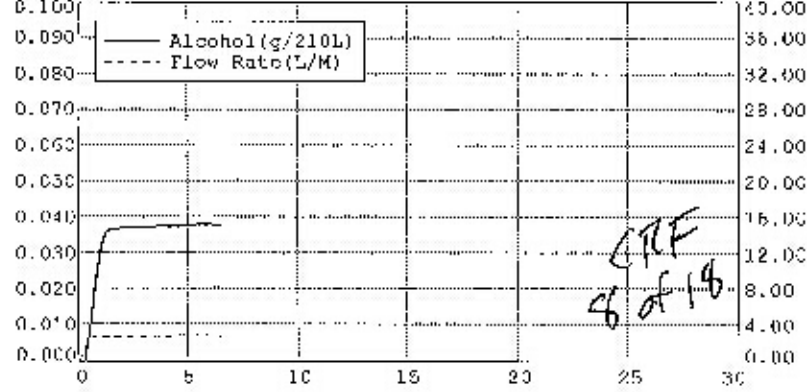
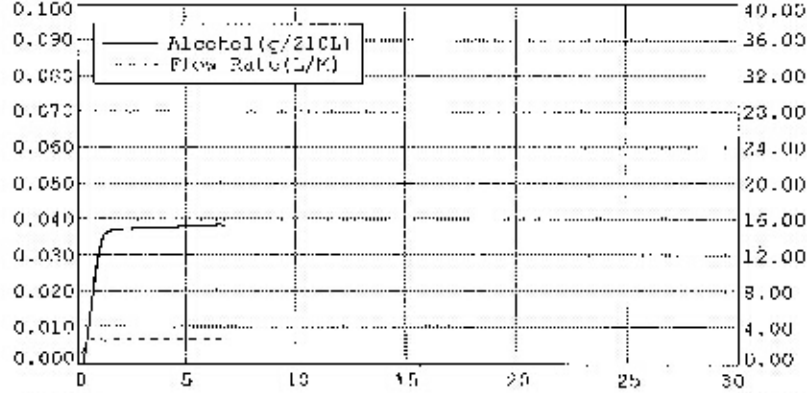
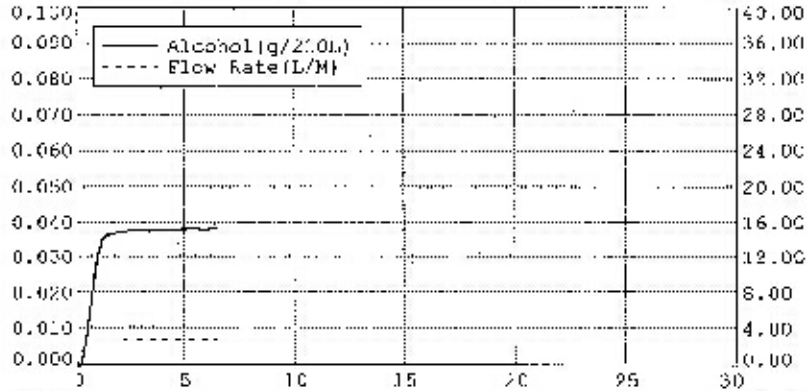
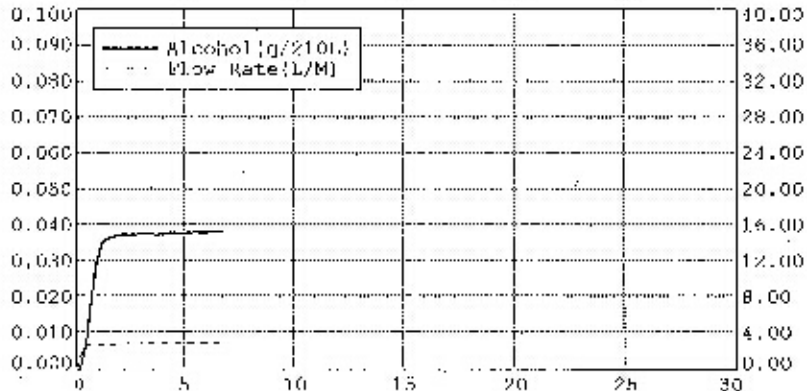
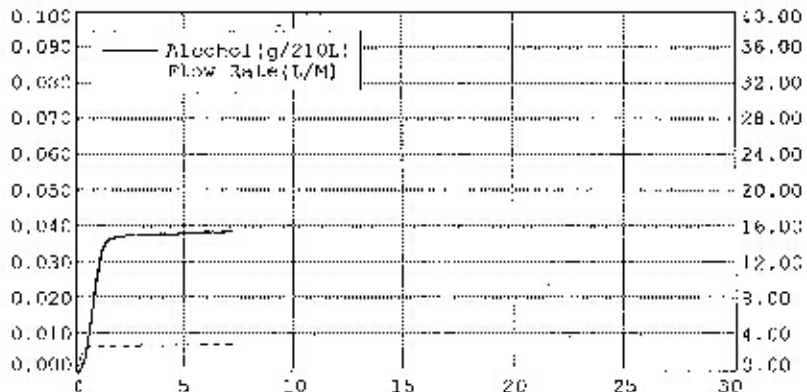
Alaska Department of Public Safety
 DATAMASTER dnt: 100414

Date: 05/26/2011
 Time: 13:30:06

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.56: 0.039
 LOT #: 02011040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	13:31
INTERNAL STANDARD	VERIFIED	13:31
EXTERNAL STANDARD	0.040	13:31
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.040	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.039	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.040	13:34
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.039	13:35
BLANK TEST	0.000	13:36

Average = 0.0396
 Std Dev = 0.0035



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dnt: 100414

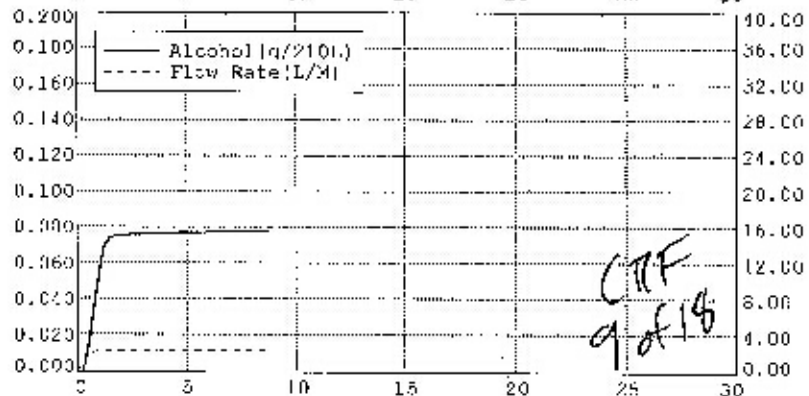
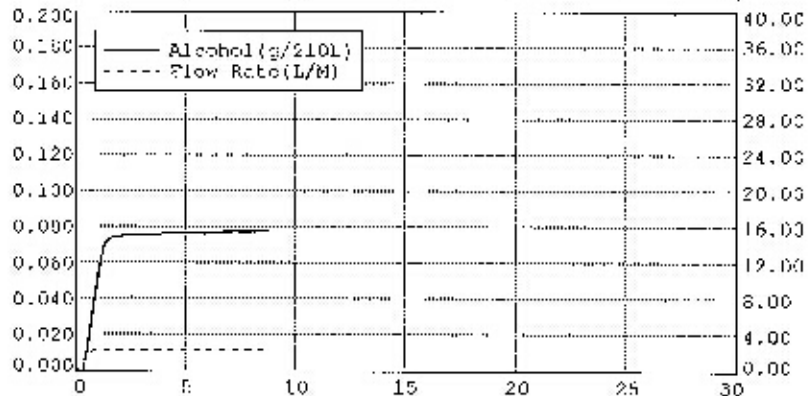
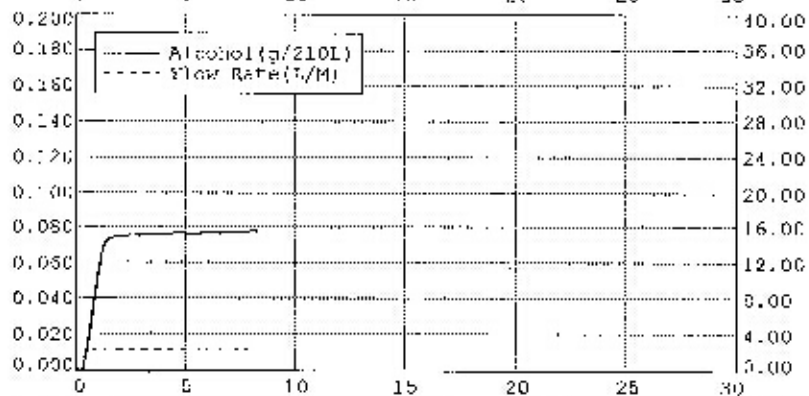
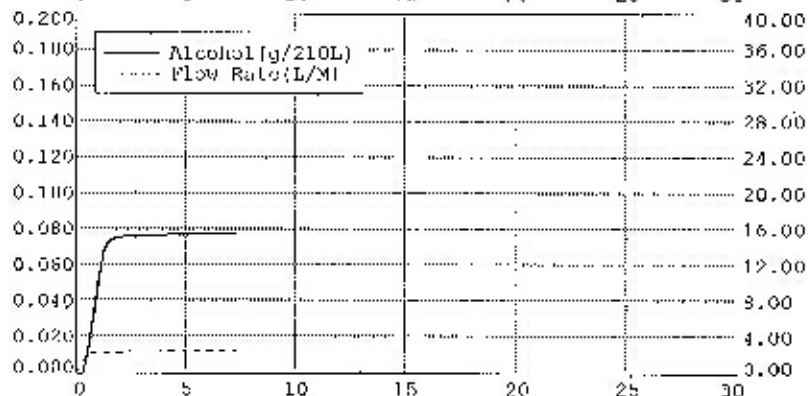
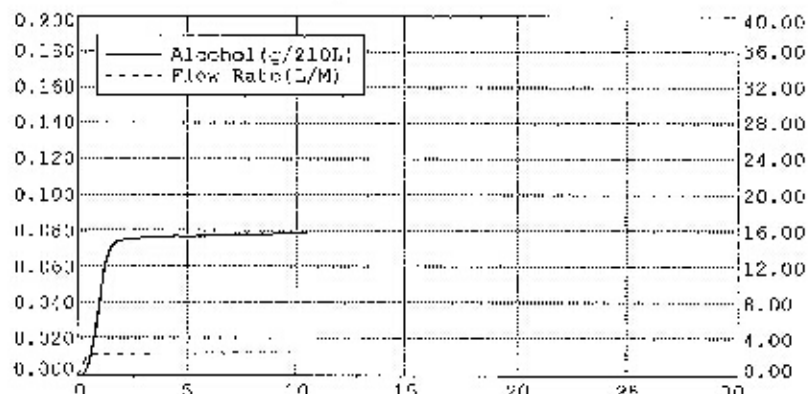
Date: 05/26/2011
Time: 13:37:41

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.57: 0.079
VOW #: 33609080A1
EXPIRATION: 01/01/2012

BLANK TEST	0.000	13:39
INTERNAL STANDARD	VERIFIED	13:39
EXTERNAL STANDARD	0.080	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.079	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.079	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.079	13:43
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.080	13:45
BLANK TEST	0.000	13:45

Average = 0.0794
Std Dev = 0.0005



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 1004 4

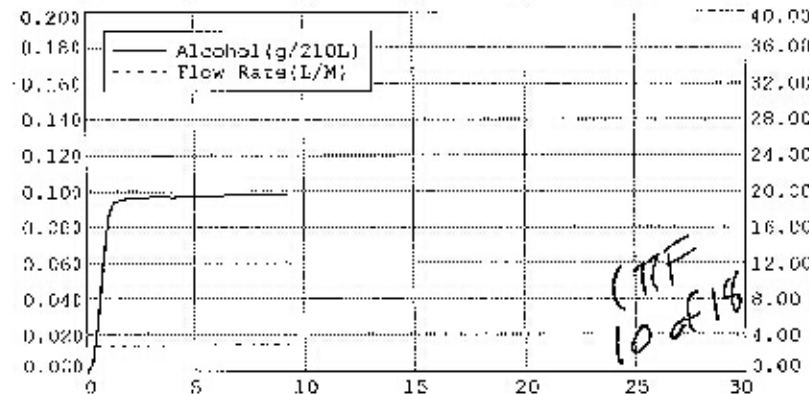
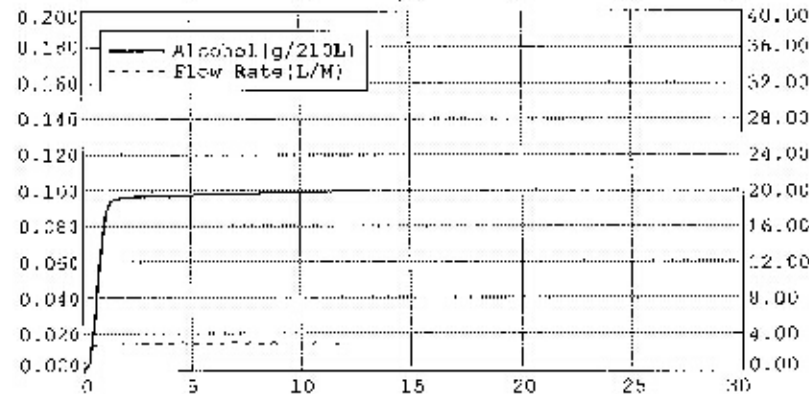
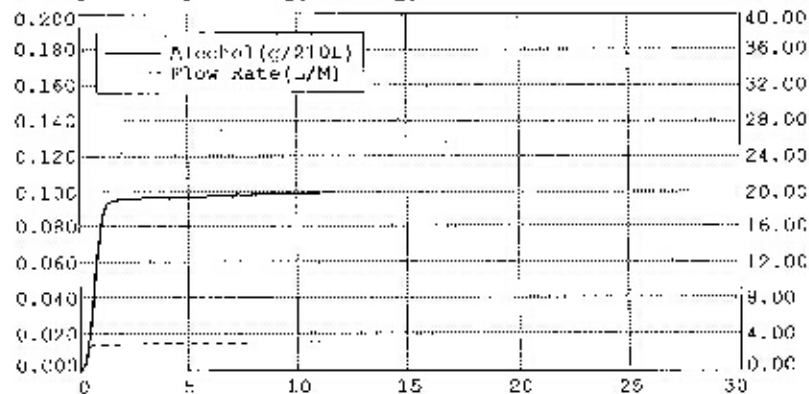
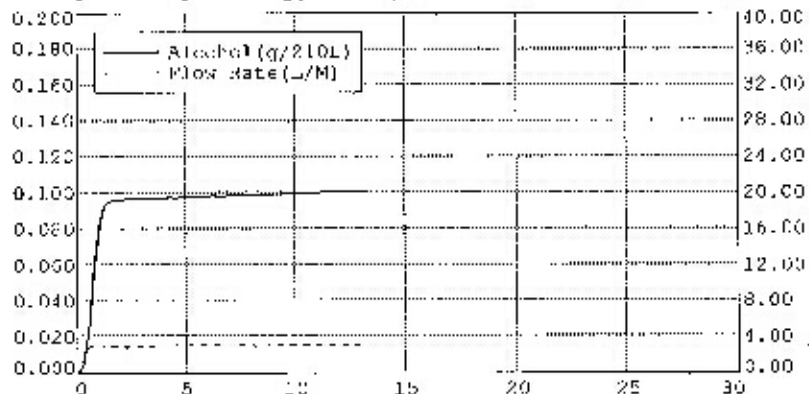
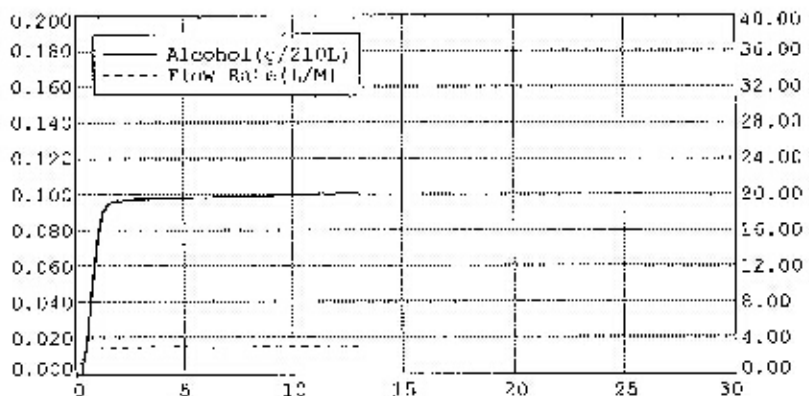
Date: 05/26/2011
 Time: 13:45:53

EXTERNAL STANDARD INFORMATION

NORMAL: 0.101
 TARGET AT 29.56: 0.098
 LOT #: 07611100A3
 EXPIRATION: 03/01/2011

BLANK TEST	0.000	13:47
INTERNAL STANDARD	VERIFIED	13:47
EXTERNAL STANDARD	0.102	13:47
BLANK TEST	0.000	13:48
EXTERNAL STANDARD	0.102	13:49
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.101	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.101	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.100	13:52
BLANK TEST	0.000	13:53

Average = 0.1012
 Std Dev = 0.0008



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dnt: 100414

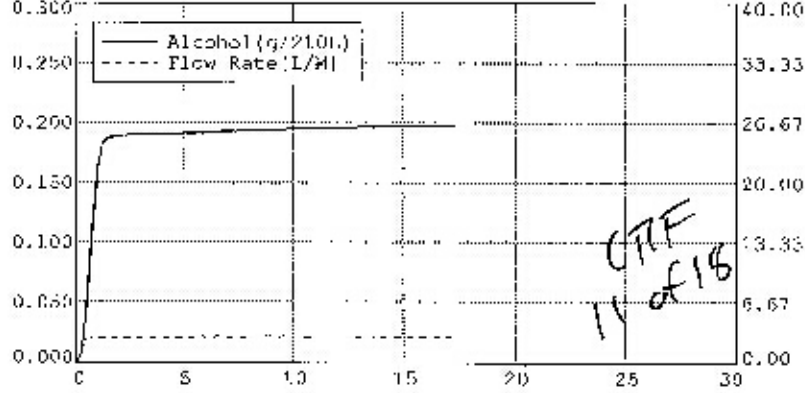
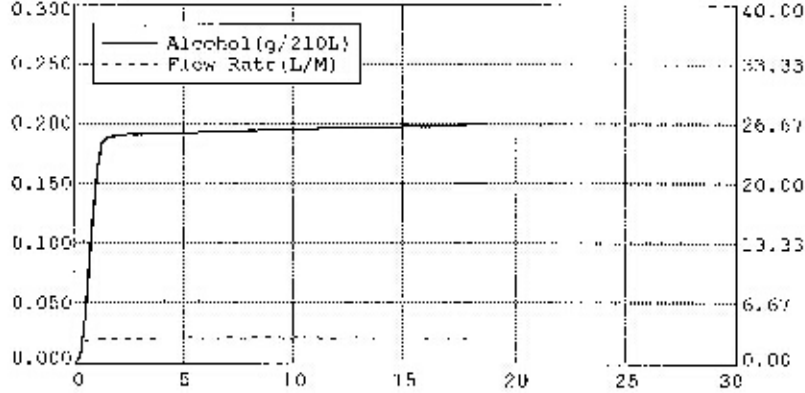
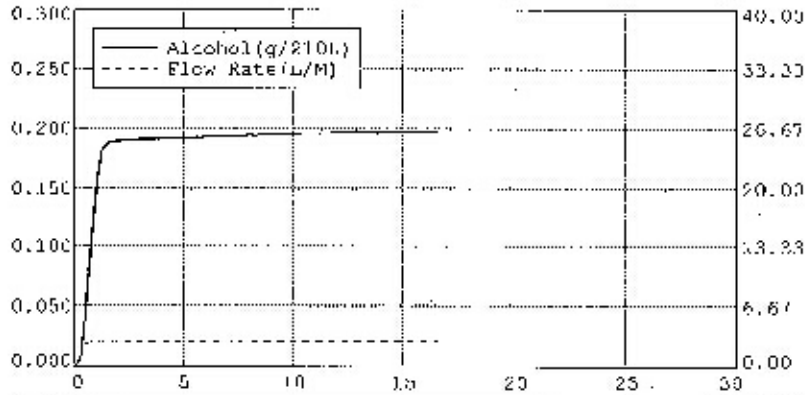
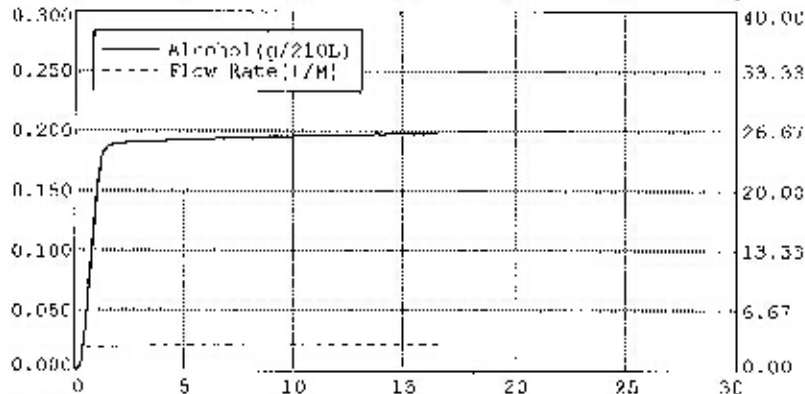
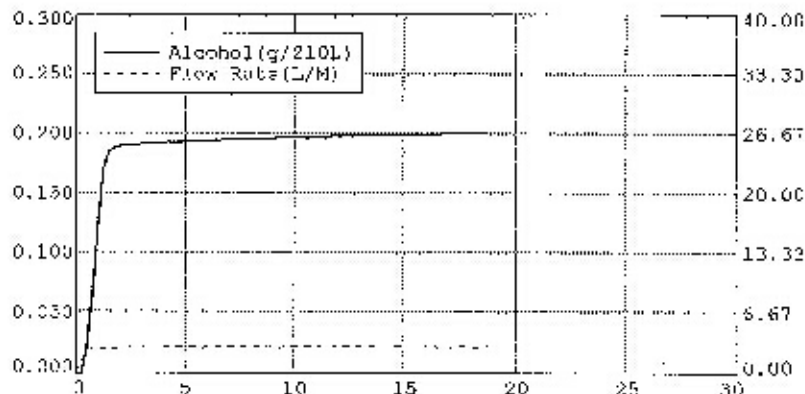
Date: 05/26/2011
 Time: 13:55:28

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.57: 0.197
 LOT #: 07611200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:57
INTERNAL STANDARD	VERIFIED	13:57
EXTERNAL STANDARD	0.201	13:57
BLANK TEST	0.000	13:58
EXTERNAL STANDARD	0.199	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.199	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.199	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.199	14:03
BLANK TEST	0.000	14:03

Average = 0.1994
 Std Dev = 0.0009



LINEARITY CHECK: Control Test 6

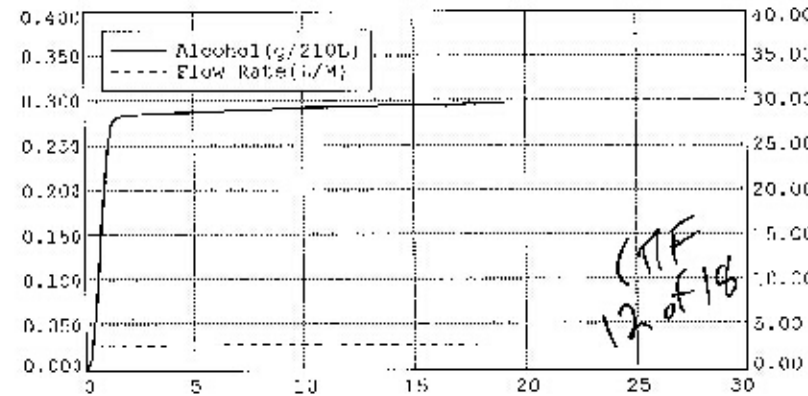
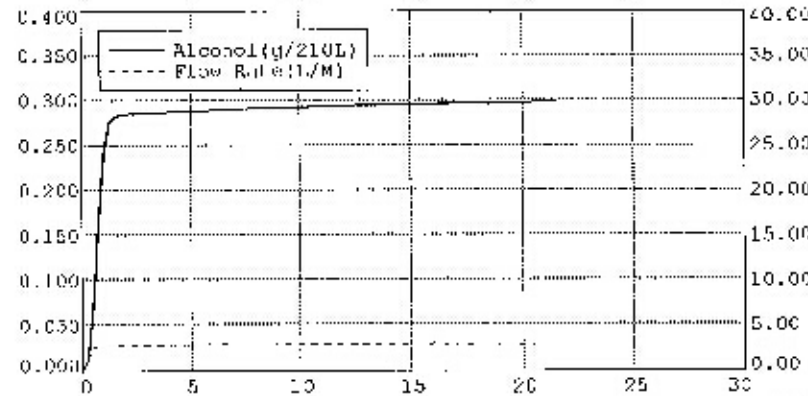
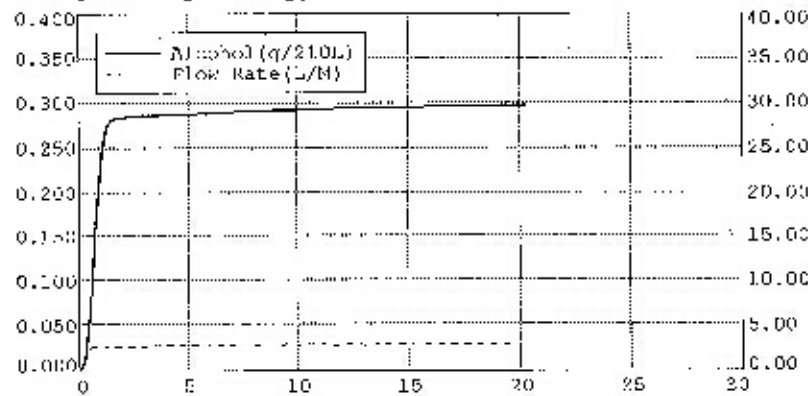
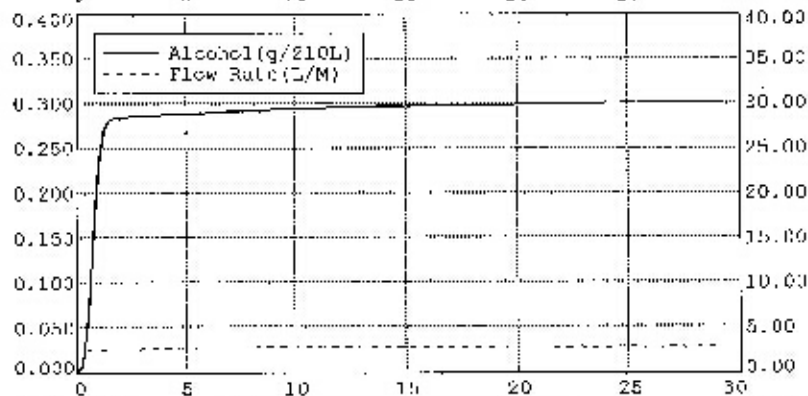
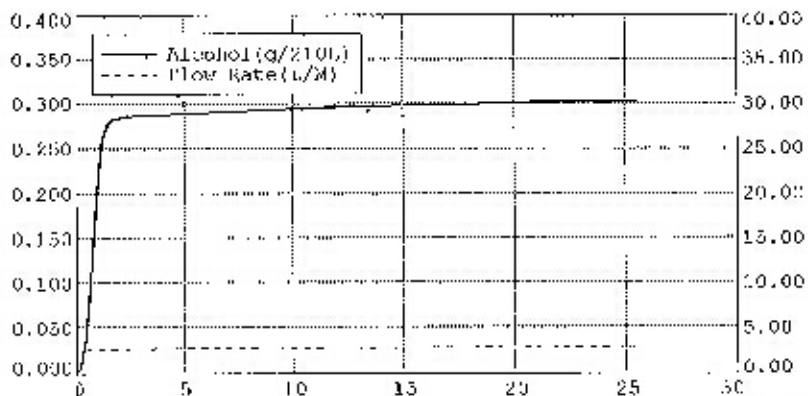
Alaska Department of Public Safety
 DATA MASTER dmt: 100414
 Date: 05/25/2011
 Time: 14:06:57

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	0.302	14:08
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.302	14:10
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.297	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.298	14:13
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.297	14:14
BLANK TEST	0.000	14:15

Average = 0.2992
 Std Dev = 0.0026



SUBJECT TEST

Alaska Department of Public Safety
LABORATORY dno: 100614

Date: 05/26/2011
Time: 14:20:05

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INCOME/PT: XXXX
OPERATOR'S #: XXXX

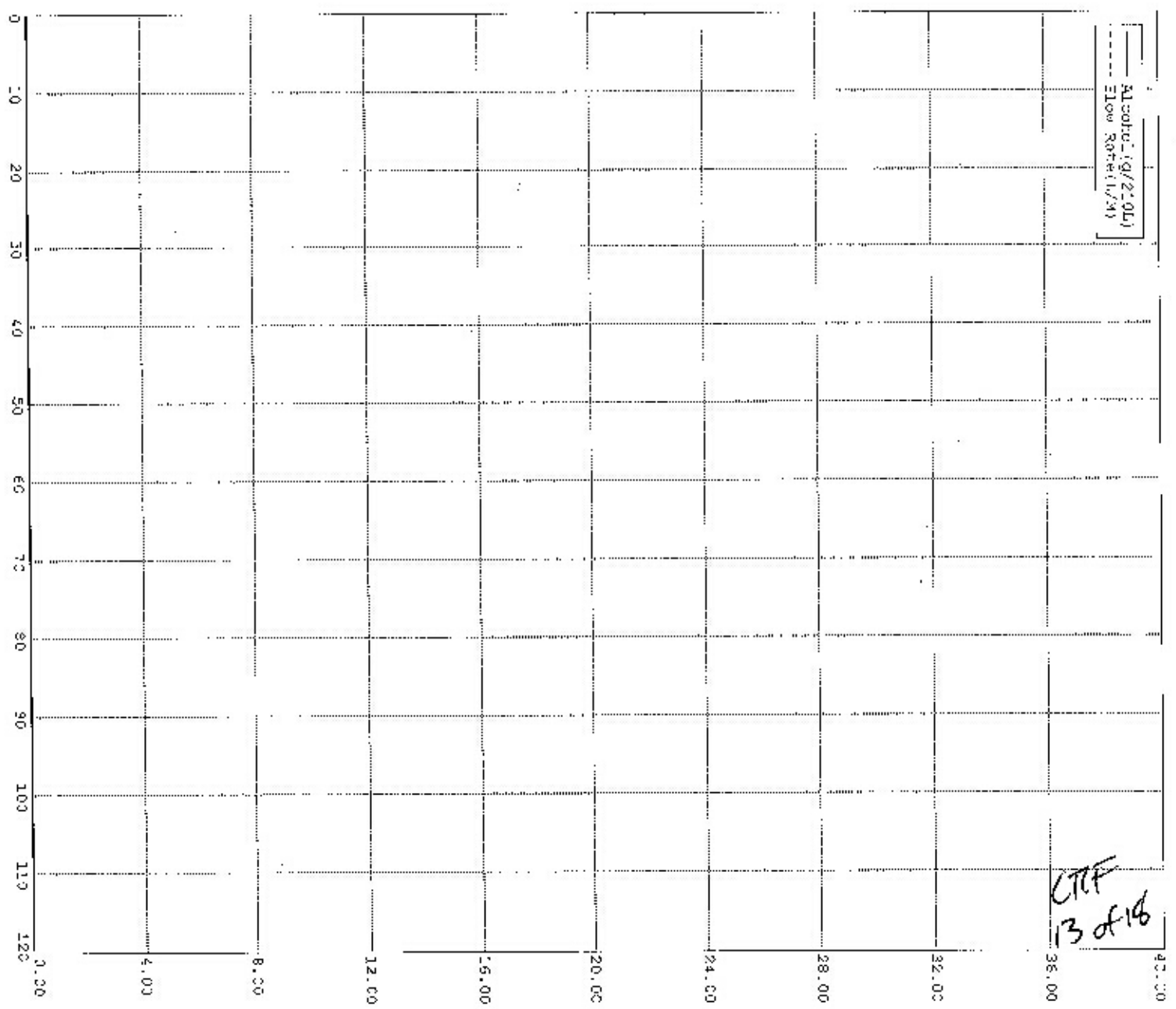
DEPT/AGENCY:
XXXX
CASE/REPO#: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NCMINA: 3.08C
TARGET AT 29.57: 0.379
IDP #: 33609C9D0A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:21
BLANK TEST	0.000	14:21
INTERNAL STANDARD	VERIFIED	14:21
EXTERNAL STANDARD	0.080	14:21
BLANK TEST	0.000	14:22
SUBJECT SAMPLES	INCOMPLETE	14:24

CRF



SUBJECT TEST

Alaska Department of Public Safety
DATANUMBER: 000414

Date: 05/26/2011
Time: 14:31:21

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
INVALID KNOWN MOUTH FLOH
OPERATOR'S #: XXXX

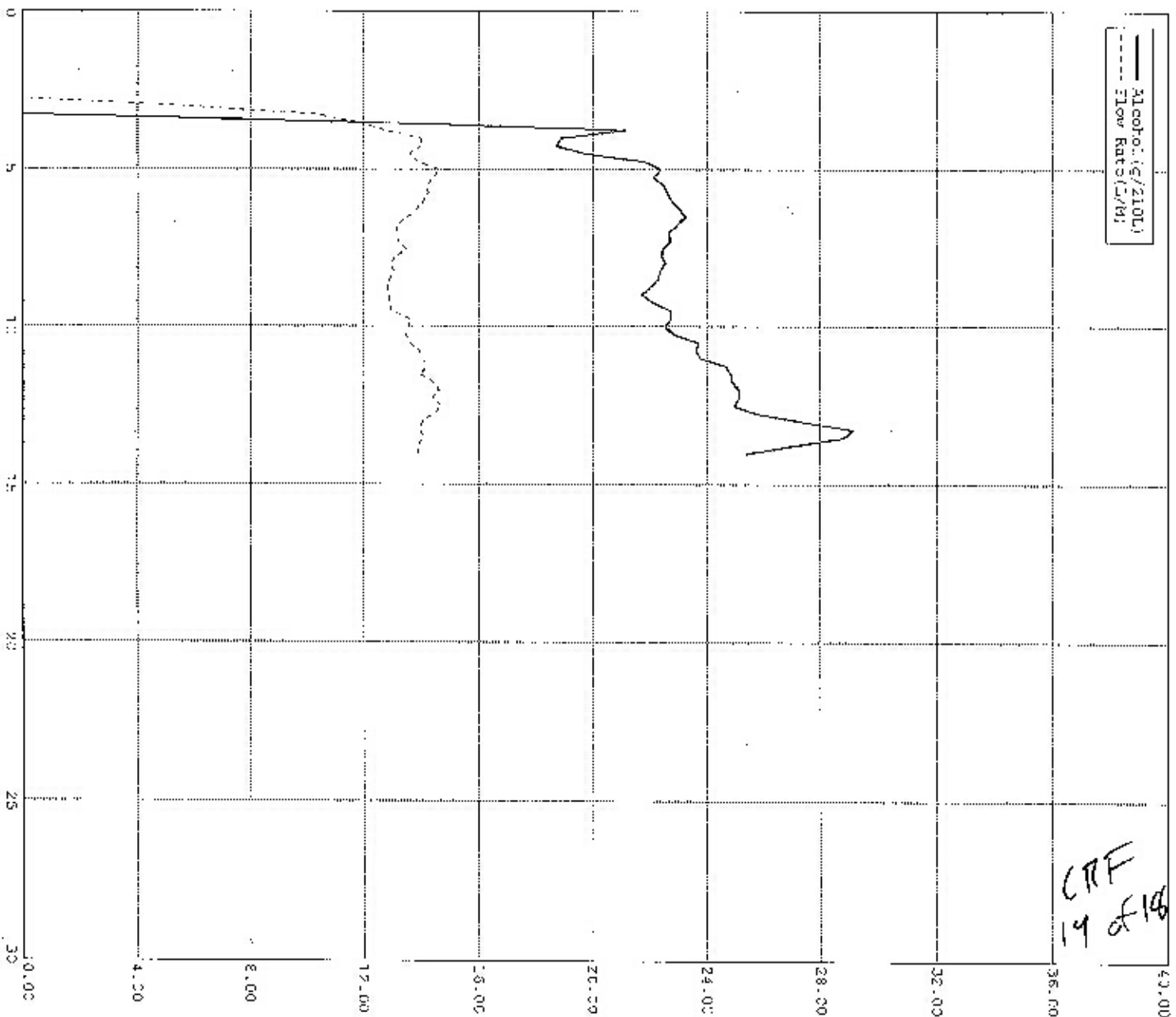
DEPT/AGENCY:
XXXX
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAT: 0.000
TARGET AT 29.57: 0.079
LOT #: 33603080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:32
BLANK TEST	0.000	14:32
INTERNAL STANDARD	VERIFIED	14:32
EXTERNAL STANDARD	0.381	14:32
BLANK TEST	0.000	14:33
SUBJECT SAMPLE	INVALID	14:34

Alcohol (g/210L)
Flow Rate (L/M)



CRF

SUBJECT TEST

Alaska Department of Public Safety
 DATABASE dnt: 100514

Date: 05/26/2011
 Time: 14:22:52

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

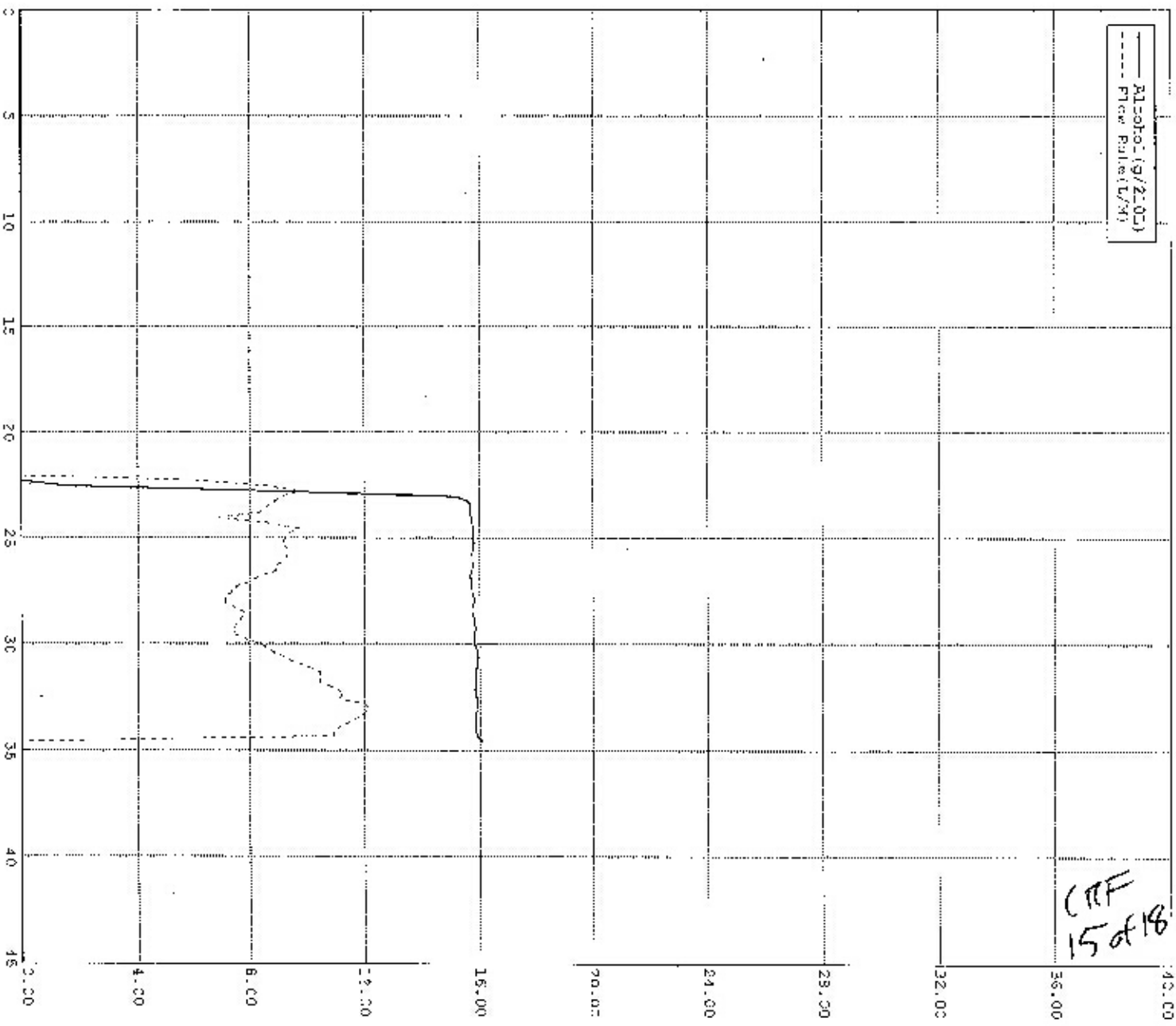
OPERATOR NAME:
 INTERFERENCE STOP AND ACCURACY
 OPERATOR'S #: XXXX

DPRT/APPLICY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 MAINTAIN: 0.080
 TARGET AD 29.57: 0.079

DIAGNOSTIC CHECK	PASSED	14:43
BLANK TEST	0.000	14:47
INTERNAL STANDARD	VERIFIED	14:44
EXTERNAL STANDARD	0.078	14:44
BLANK TEST	0.000	14:45
SUBJECT SAMPLE	INTERFERENCE	14:45

CRF



SUBJECT TEST

Alaska Department of Public Safety
PARAMETER date: 100211

Date: 05/26/2011
Time: 14:55:09

SUBJECT NAME:
TEST TEST
JICMNM # : XXXX

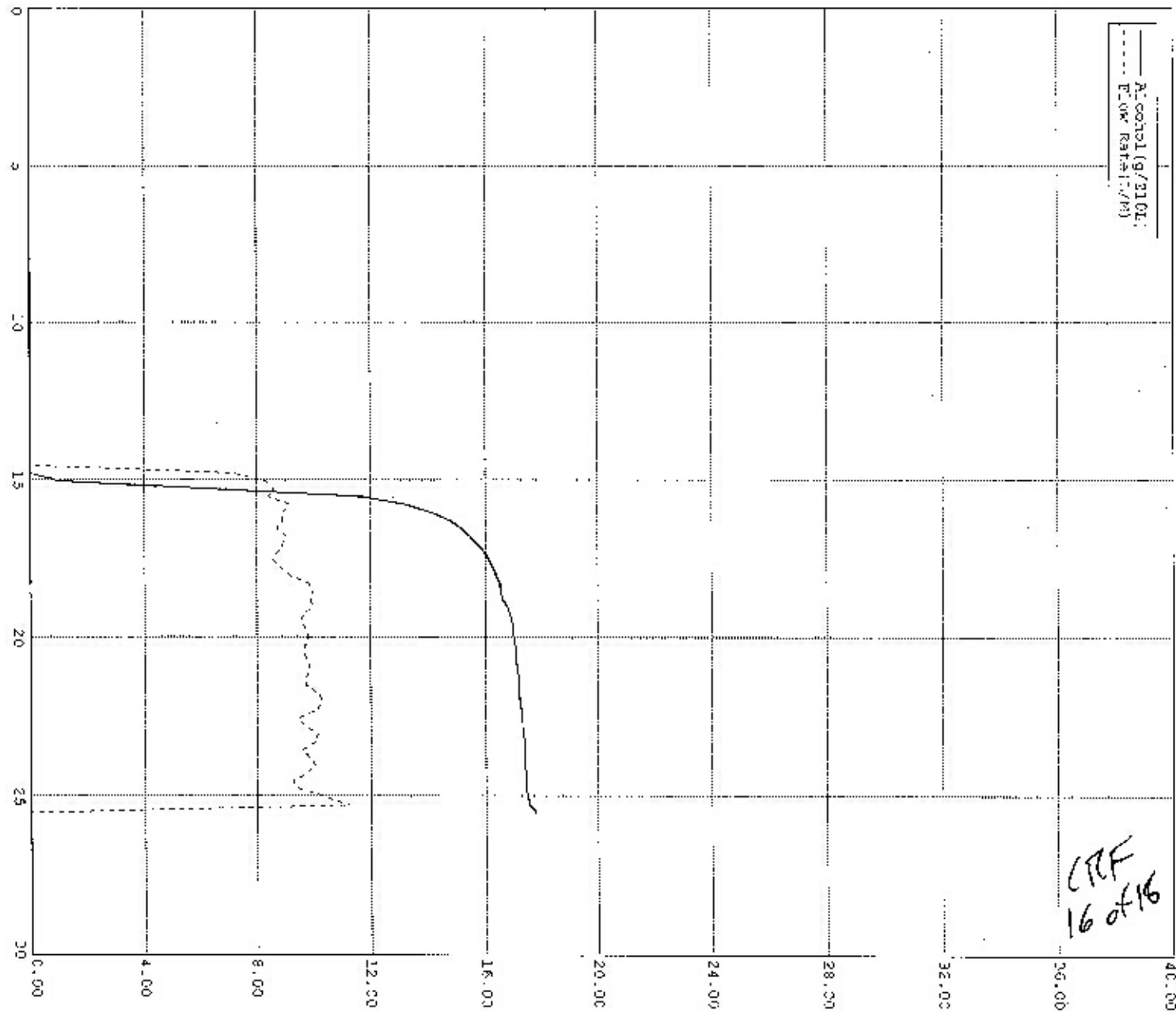
OPERATOR NAME:
INTERFERENCE ECHO AND IPA
OPERATOR'S # : XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: E.082
TARGET AC: 29.57: 0.079
LOT #: 3360909021
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	STATUS	TIME
BLANK TEST	PASSED	14:56
INTERNAL STANDARD	0.000	14:56
EXTERNAL STANDARD	0.081	14:56
BLANK TEST	0.000	14:57
SUBJECT SAMPLE	INTERFERENCE	14:58

CRF



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER SMT: 100414

Date: 05/26/2011
Time: 15:00:13

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

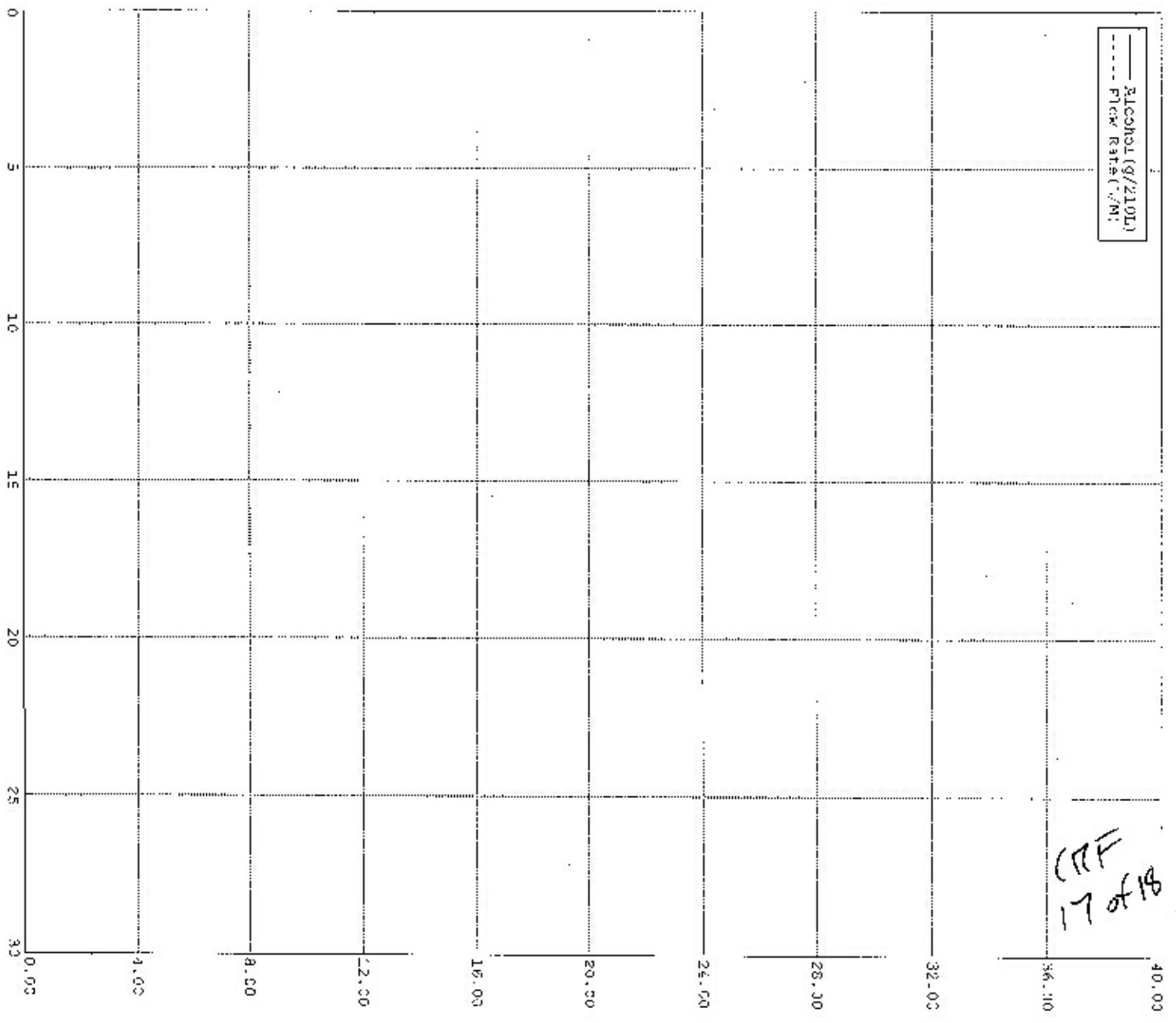
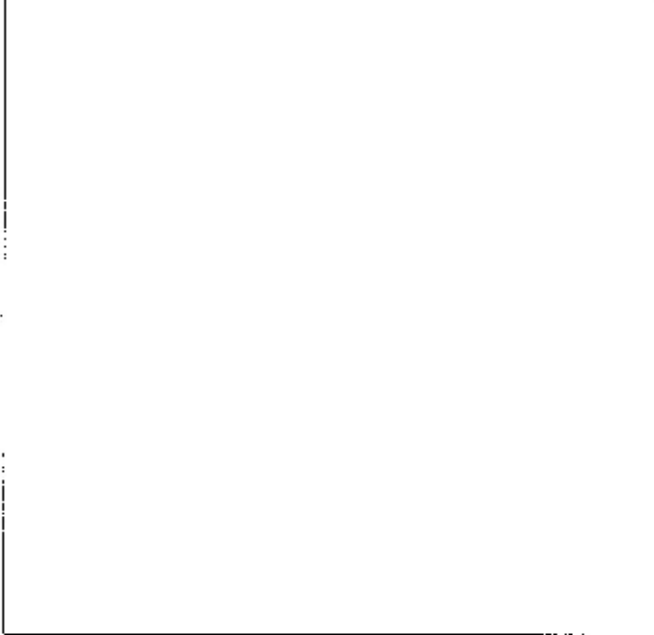
OPERATOR NAME:
RFI XXXX
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.57: 0.079

DIAGNOSTIC CHECK	PASSED	15:01
BLANK TEST	0.030	15:01
INTERNAL STANDARD	VERIFIED	15:01
EXTERNAL STANDARD	0.079	15:01
BLANK TEST	0.030	15:02

RFI Detected



SUBJECT TEST

Alaska Department of Public Safety
 DATASTAR dnt: 100414

Date: 05/26/2011
 Time: 15:37:52

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 1734

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET ME 29.57: 0.079

DIAGNOSTIC CHECK	PASSRD	15:36
BLANK TEST	0.000	15:39
INTERNAL STANDARD	VERIFIED	15:39
EXTERNAL STANDARD	0.079	15:39
BLANK TEST	0.000	15:40
SUBJECT SAMPLE	0.000	15:40
BLANK TEST	0.000	15:41
EXTERNAL STANDARD	0.080	15:41
BLANK TEST	0.000	15:42

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