	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

DataMaster DMT Certification Form

Instrument # 100377Analyst Brandi BarnettDate 4/27/11

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 02811020A1 Exp 02/01/2013
 - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 02/01/2013
 - iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 02/01/2013
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 03/01/2013
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 03/01/2013
 - vi. 0.300g/210L Mnf ILMO Lot 07411300A2 Exp 03/01/2013
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/2011
 1. Simulator Calibration Date 10/18/2010 SN DR6267
 - ii. Isopropanol - Mnf Guth Lot 09340 Level 0.080 Exp 12/2/2011
 1. Simulator Calibration Date 08/04/2010 SN SD1202
 - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 04/27/2011
Time: 10:16:27

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

TEMPERATURES

Sample Chamber = 49.1°C PASSED
Breath Tube = 44.3°C PASSED

PUMP INFO
Flow Rate = 5.158 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

2/18/08 MB

Technician Screen

DATAMASTER dmt: 100377

Date: 04/27/2011
Time: 10:20 AM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 44.3°C

Current Barometer 29.9 in
Volume (Ltr) 1.44

Settings

Lamp: 1.78 V
Bias: 79 V
Cooler: 1.65 V
Chopper: 531 Hz

Voltages (V)

Flow: 1.04 V
Detector: 0.362 V

3/18/11 MB

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 03/02/2011
Time: 17:28:44

Ca = 0.1000		
CAL = 0.980645	0.800 <=	CAL < 1.200
b1 = 0.0001	0.0000 <=	b1 < 0.0040
b2 = 0.0043	0.0010 <=	b2 < 0.0100
b3 = 0.0000	0.0000 <=	b3 < 0.0040
Xq = 0.0815	0.0500 <=	Xq < 0.2000
a21 = 1.183888	1.050 <=	a21 < 1.300
a31 = 0.379173	0.300 <=	a31 < 0.800

4/18/11
BMB

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 04/27/2011
 Time: 10:32:07

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

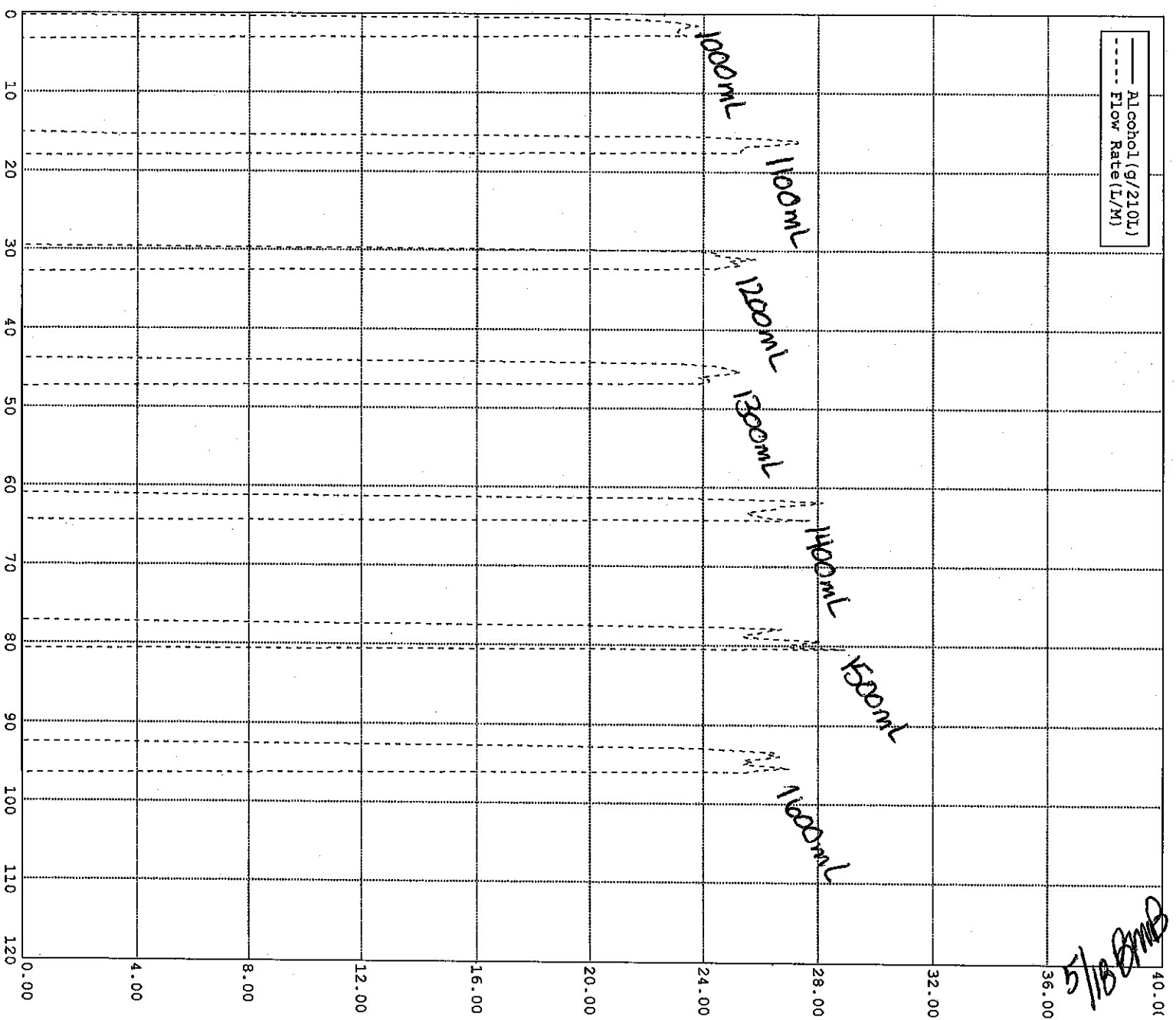
OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.90: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	10:33
BLANK TEST	0.000	10:33
INTERNAL STANDARD	VERIFIED	10:34
EXTERNAL STANDARD	0.081	10:34
BLANK TEST	0.000	10:35
SUBJECT SAMPLE	0.000	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.081	10:37
BLANK TEST	0.000	10:38

BMB



LINEARITY CHECK

Alaska Department of Public Safety
 DATA MASTER dml: 100377

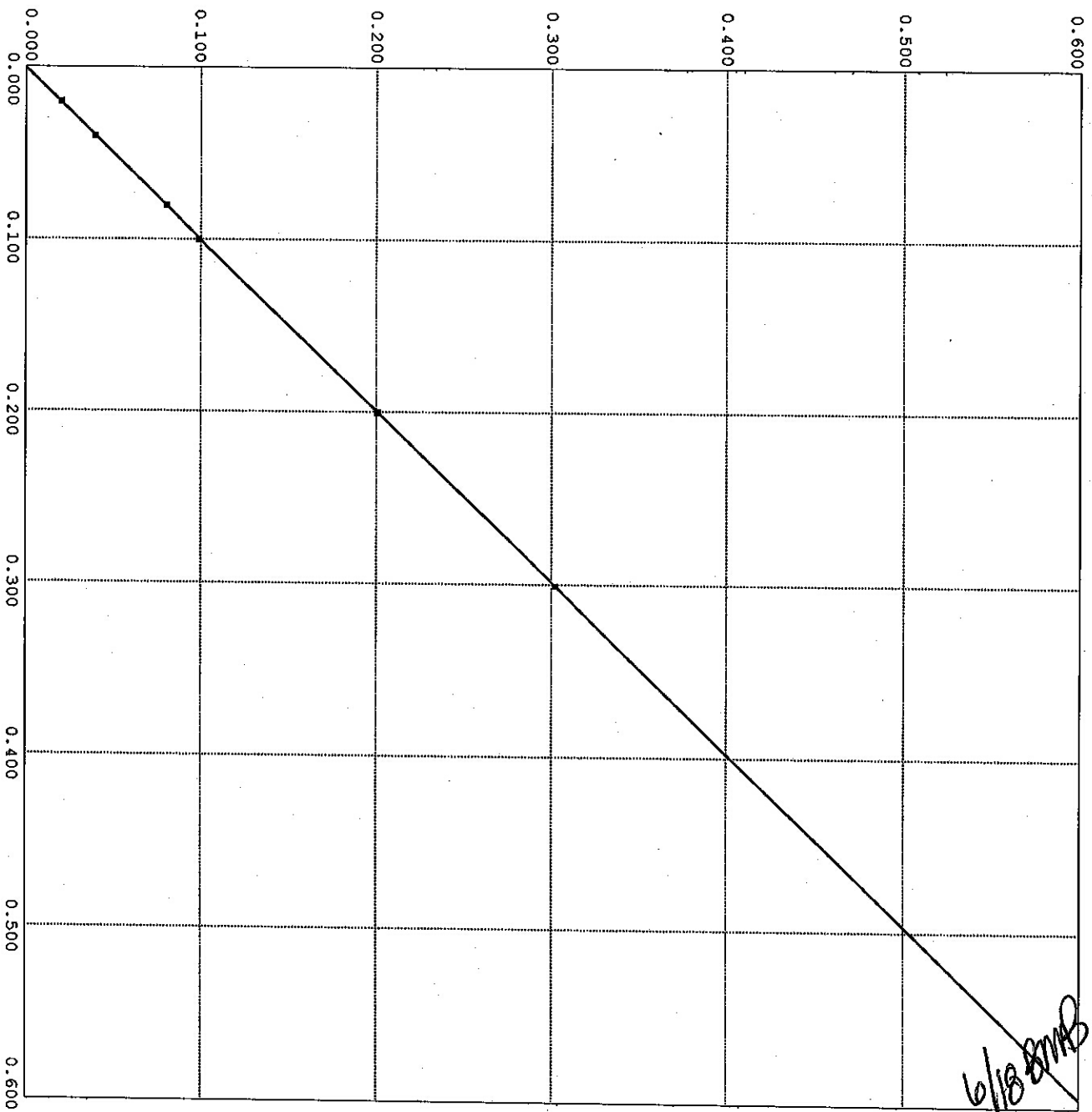
Date: 04/27/2011
 Time: 12:31:41

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0204	0.0005
0.040	0.0398	0.0004
0.080	0.0808	0.0004
0.100	0.1000	0.0000
0.200	0.2016	0.0015
0.300	0.3028	0.0004

SLOPE = 1.009767
 R² = 0.999992

BMB



6/18/11 BMB

LINEARITY CHECK: Control Test 1

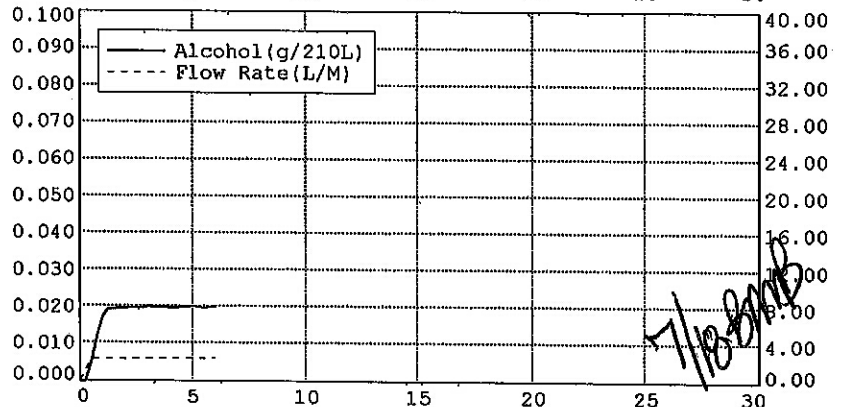
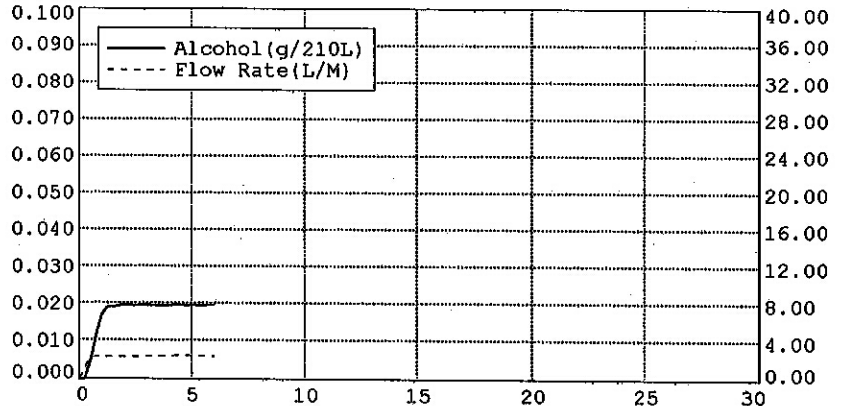
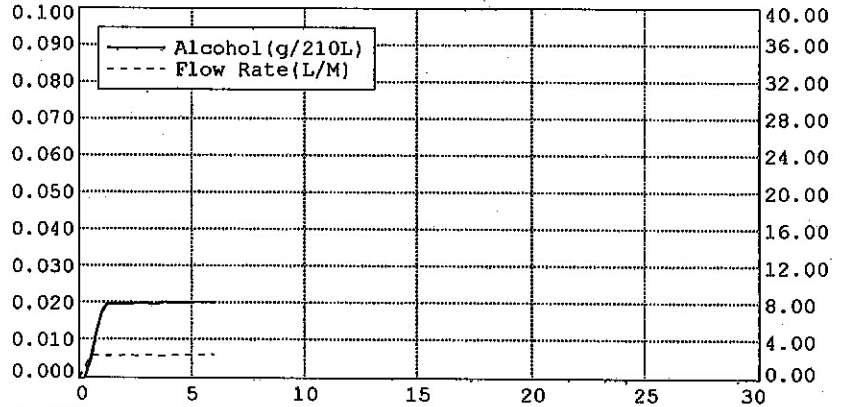
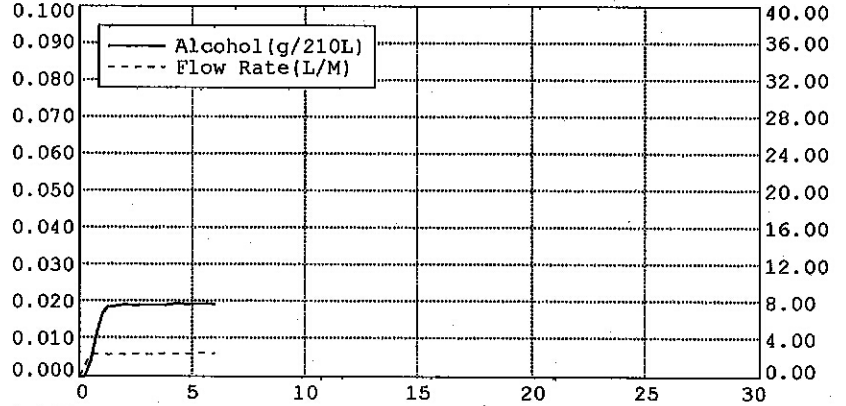
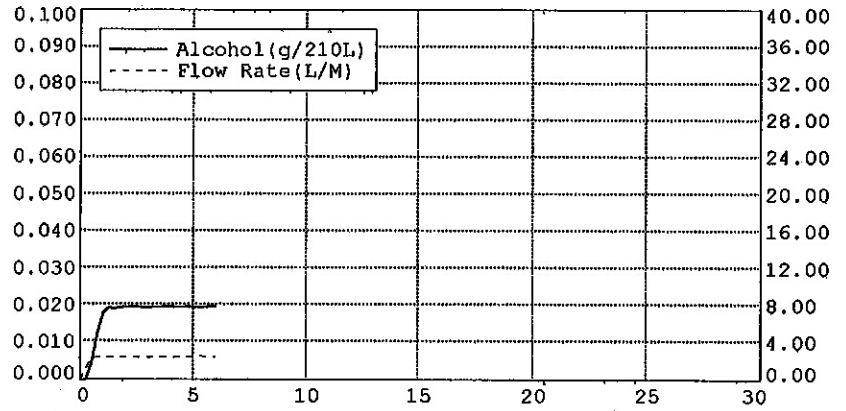
Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 04/27/2011
 Time: 12:31:42

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.92: 0.020
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	12:32
INTERNAL STANDARD	VERIFIED	12:33
EXTERNAL STANDARD	0.020	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.020	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.021	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.020	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.021	12:37
BLANK TEST	0.000	12:38

Average = 0.0204
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

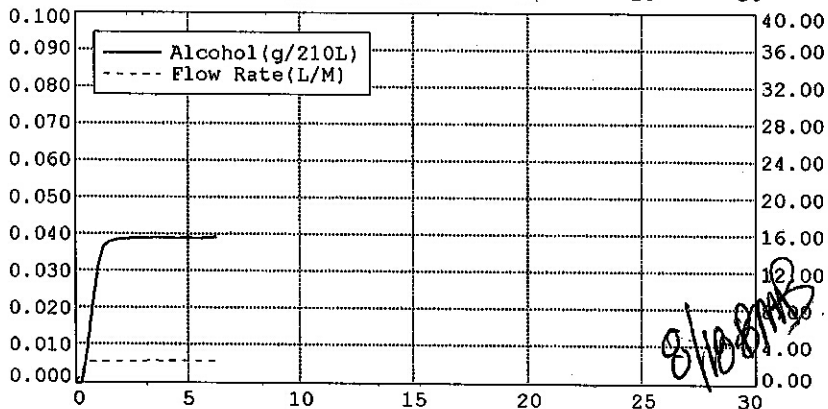
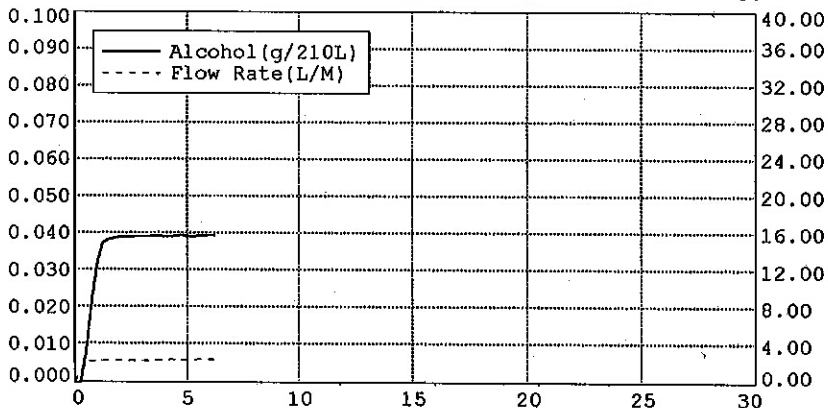
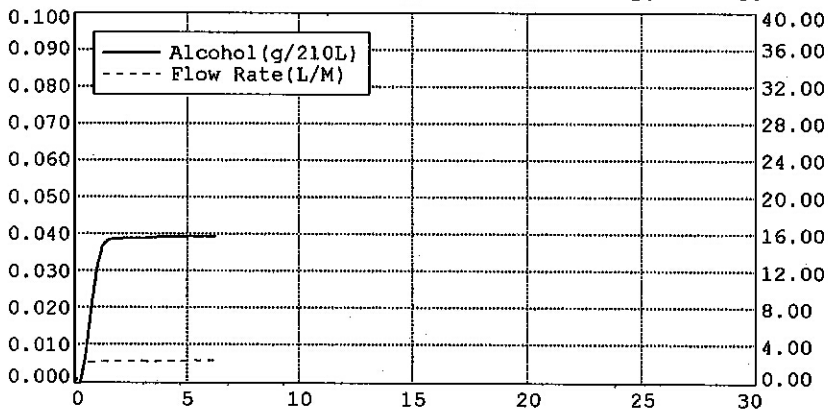
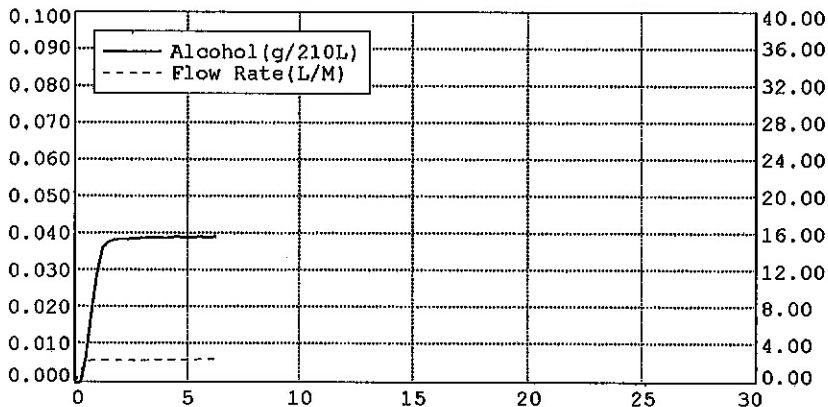
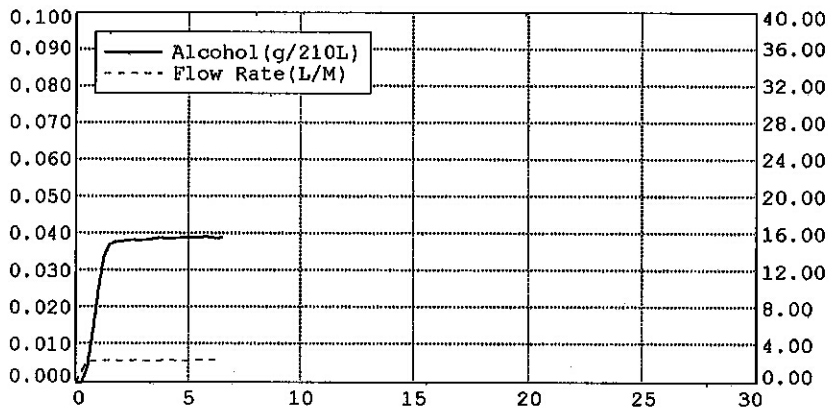
Date: 04/27/2011
 Time: 12:42:26

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.92: 0.040
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	12:43
INTERNAL STANDARD	VERIFIED	12:43
EXTERNAL STANDARD	0.039	12:43
BLANK TEST	0.000	12:44
EXTERNAL STANDARD	0.040	12:44
BLANK TEST	0.000	12:45
EXTERNAL STANDARD	0.040	12:46
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.040	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.040	12:48
BLANK TEST	0.000	12:49

Average = 0.0398
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

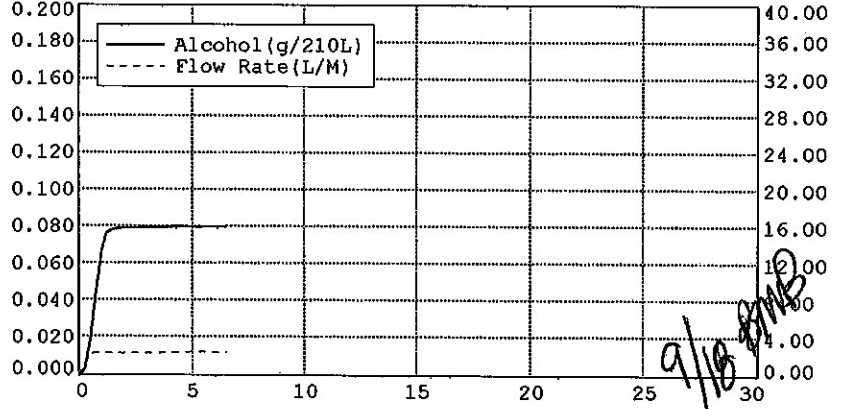
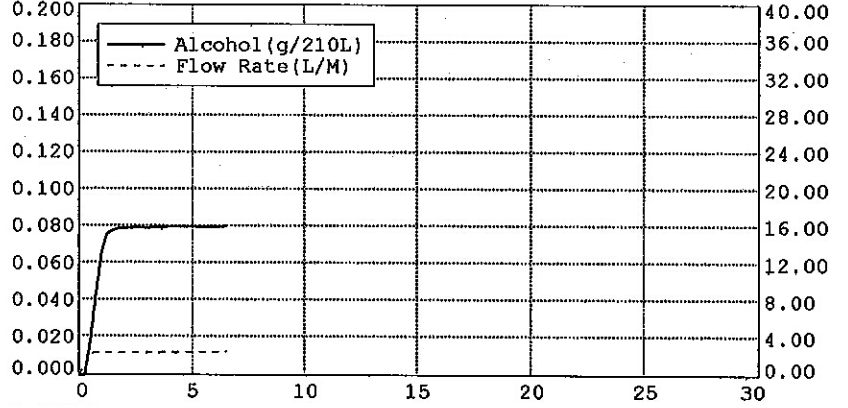
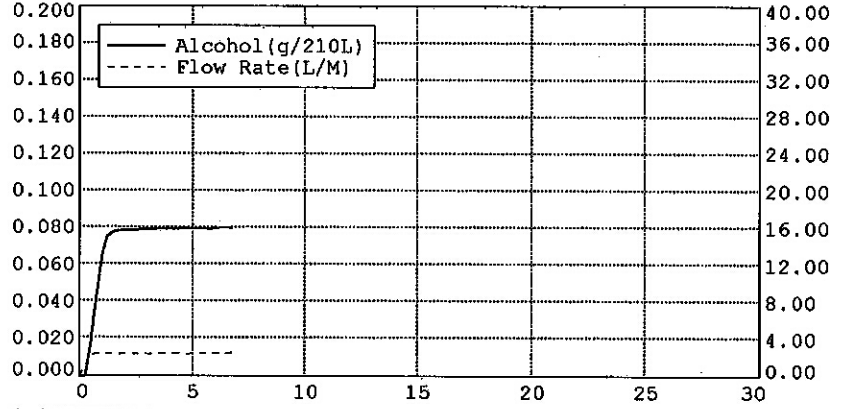
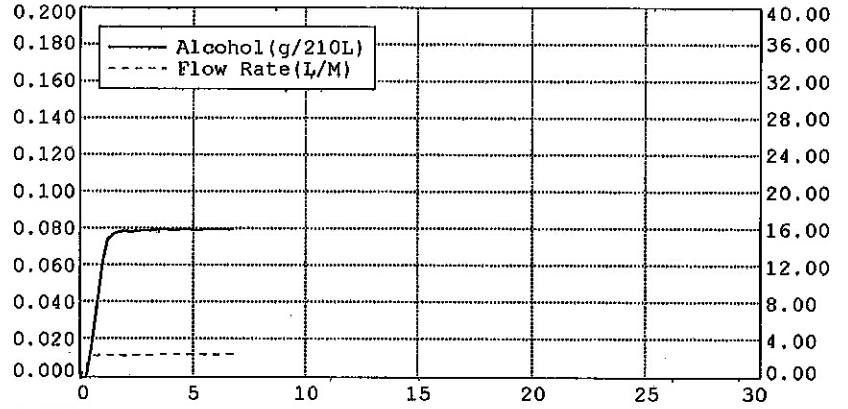
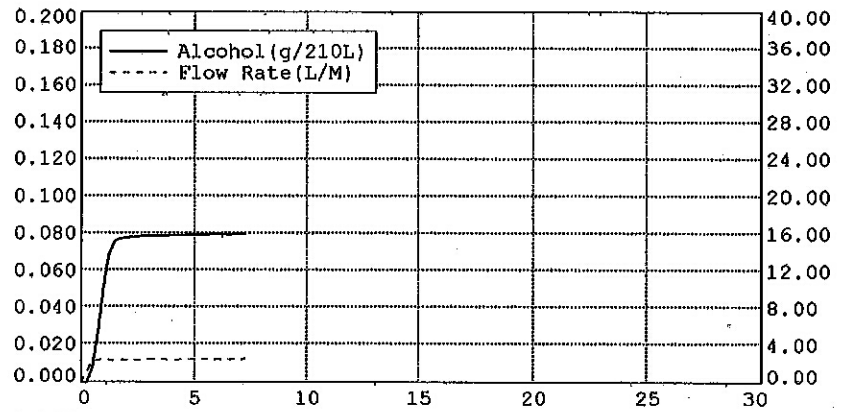
Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 04/27/2011
 Time: 12:50:14

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.080
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	12:51
INTERNAL STANDARD	VERIFIED	12:51
EXTERNAL STANDARD	0.081	12:51
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.080	12:52
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.081	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.081	12:55
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.081	12:56
BLANK TEST	0.000	12:57

Average = 0.0808
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

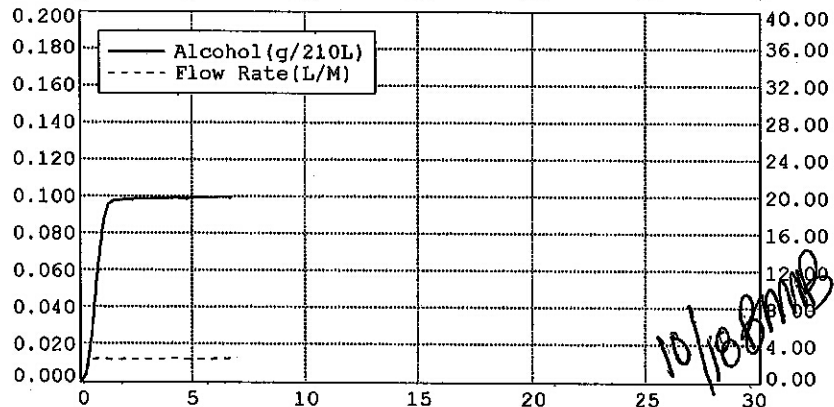
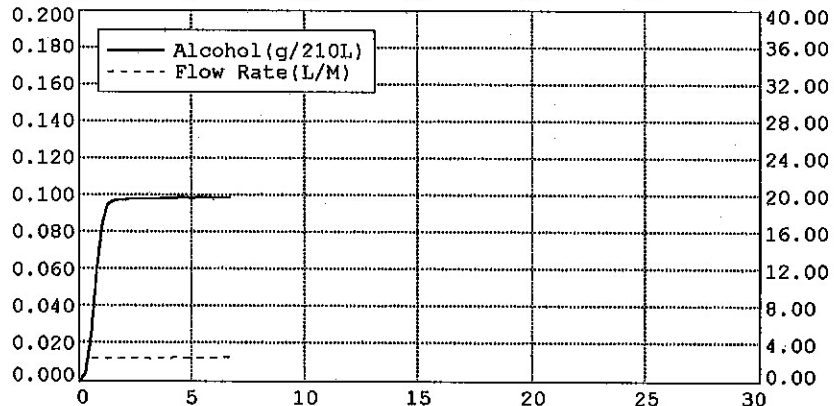
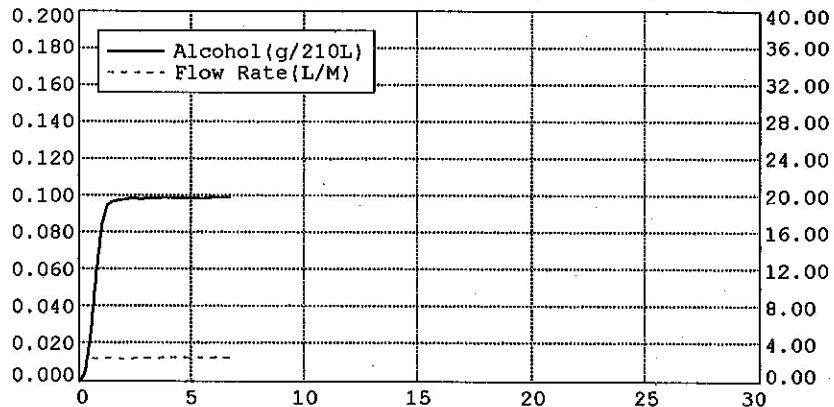
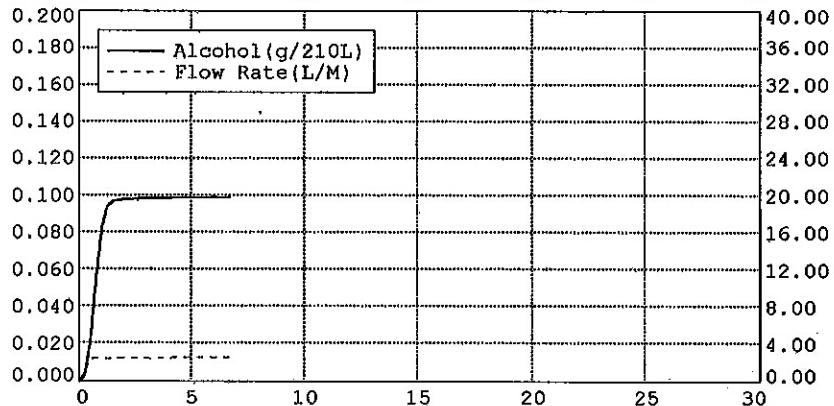
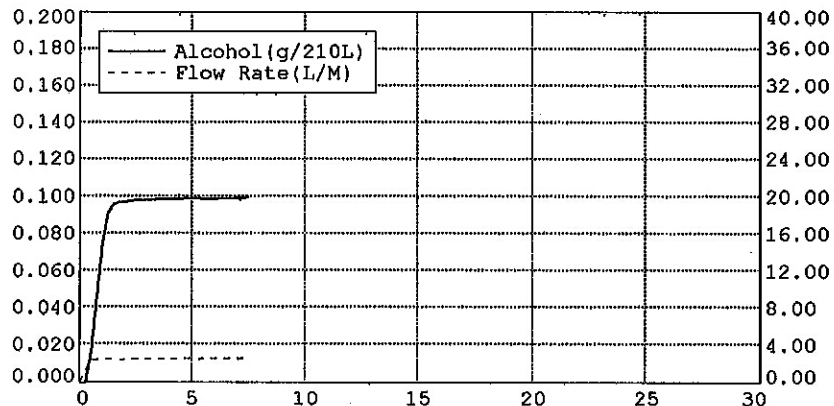
Date: 04/27/2011
 Time: 12:57:58

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.92; 0.100
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	12:59
INTERNAL STANDARD	VERIFIED	12:59
EXTERNAL STANDARD	0.100	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.100	13:00
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.100	13:01
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.100	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.100	13:03
BLANK TEST	0.000	13:04

Average = 0.1000
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 5

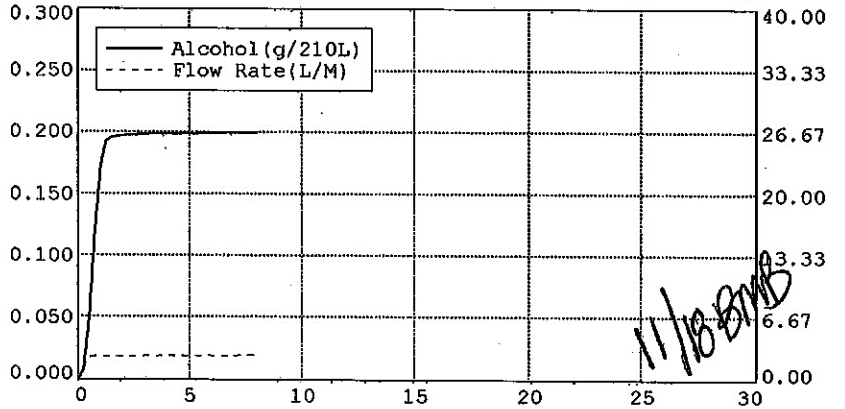
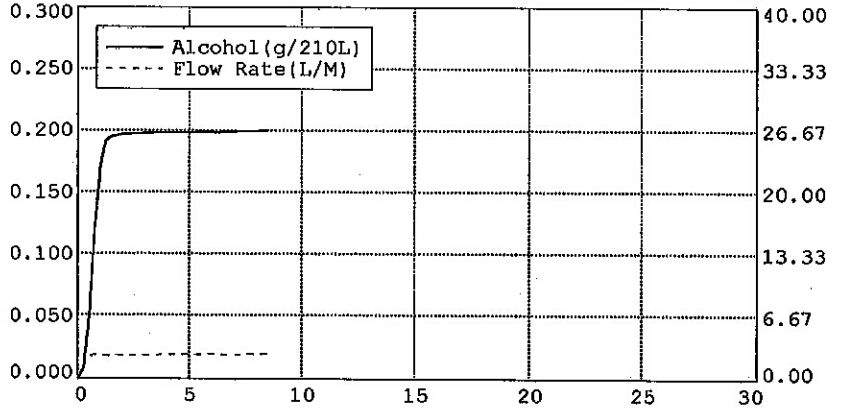
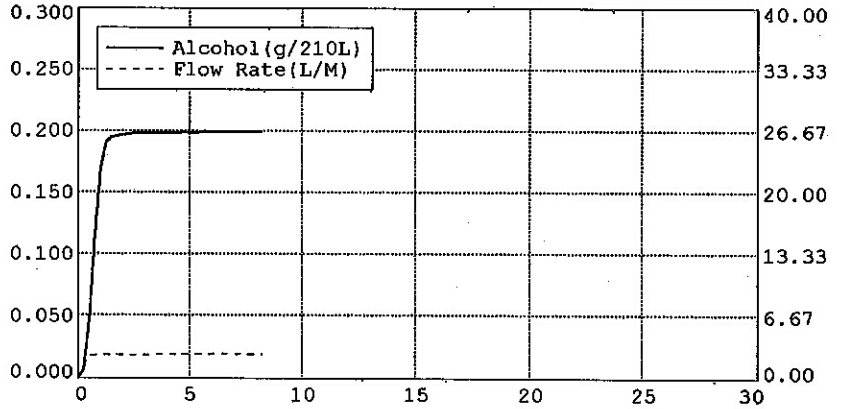
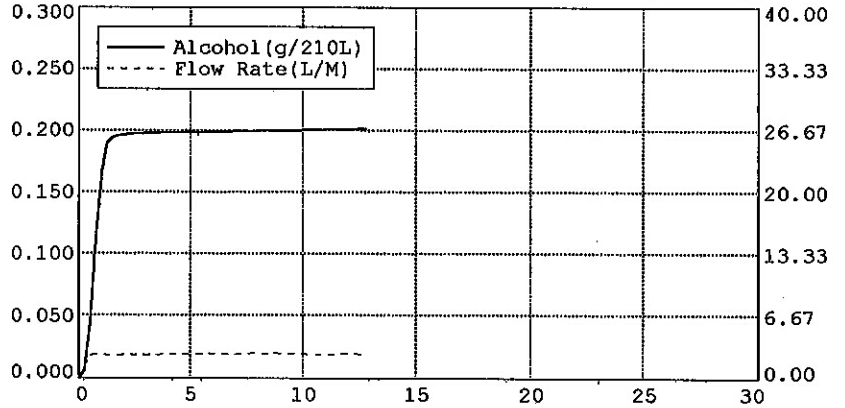
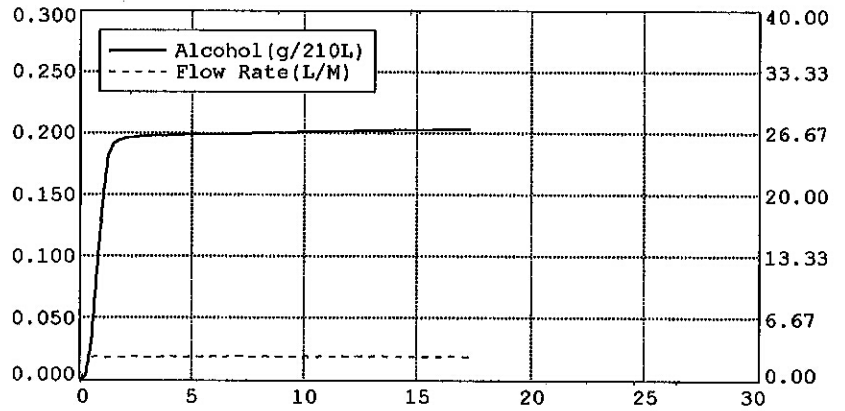
Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 04/27/2011
 Time: 13:36:19

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.92: 0.200
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:37
INTERNAL STANDARD	VERIFIED	13:37
EXTERNAL STANDARD	0.204	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.202	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.201	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.201	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.200	13:43
BLANK TEST	0.000	13:44

Average = 0.2016
 Std Dev = 0.0015



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100377

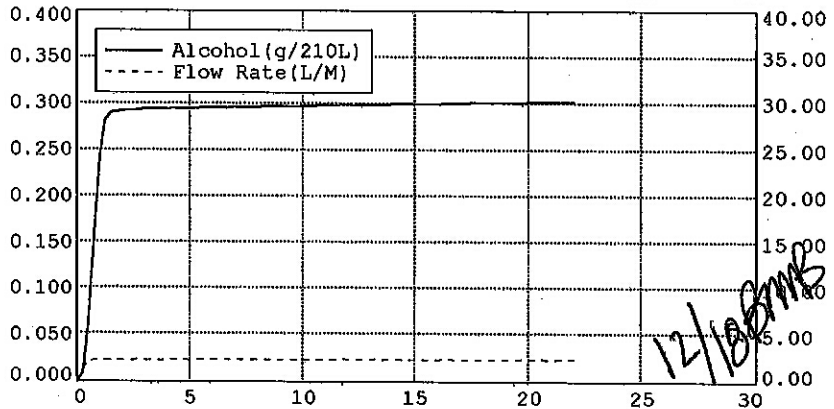
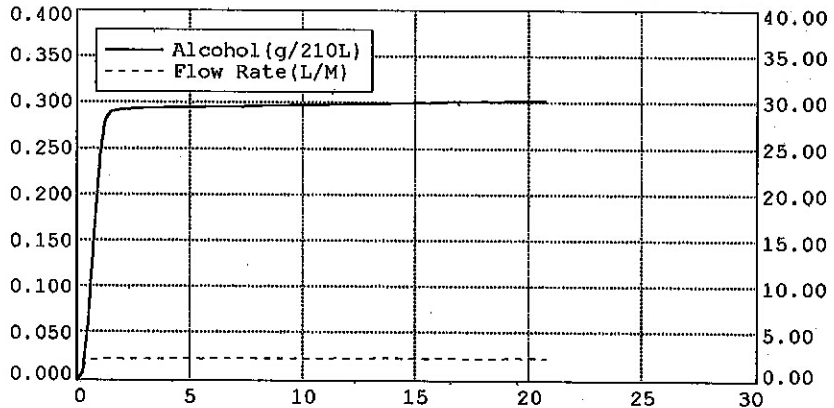
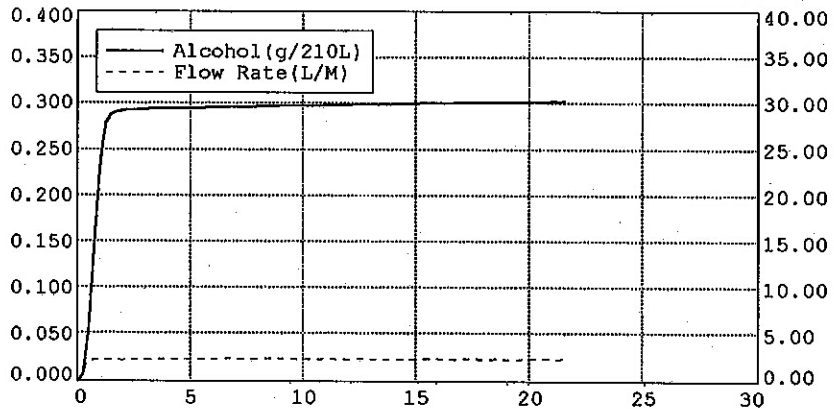
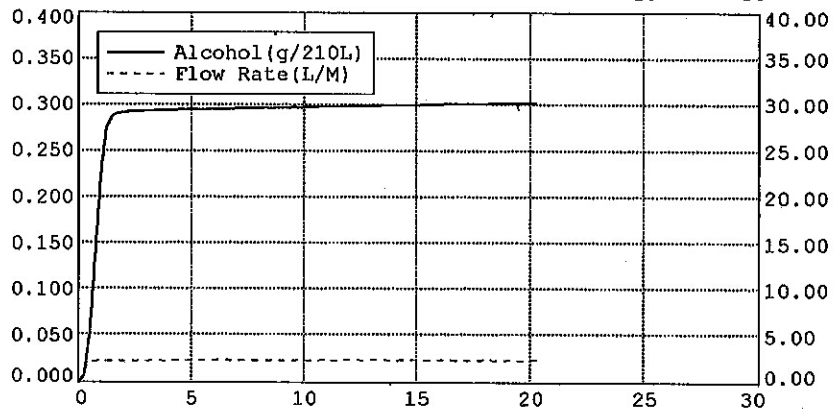
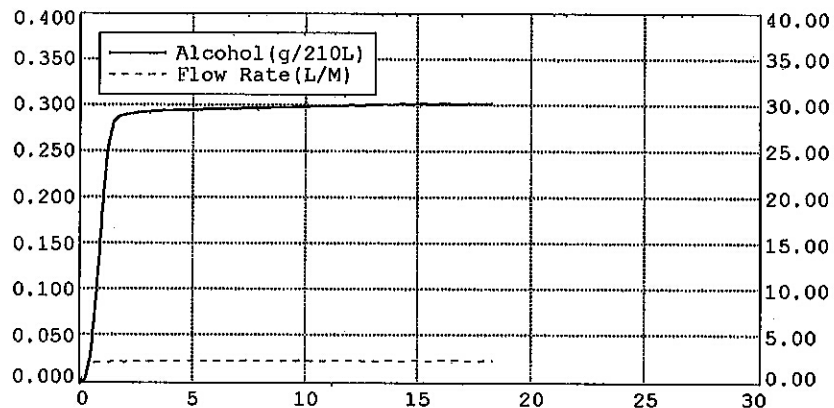
Date: 04/27/2011
Time: 13:57:12

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.92: 0.300
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:59
INTERNAL STANDARD	VERIFIED	13:59
EXTERNAL STANDARD	0.303	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.302	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.303	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.303	14:04
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.303	14:06
BLANK TEST	0.000	14:07

Average = 0.3028
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100377

Date: 04/27/2011
 Time: 14:12:53

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

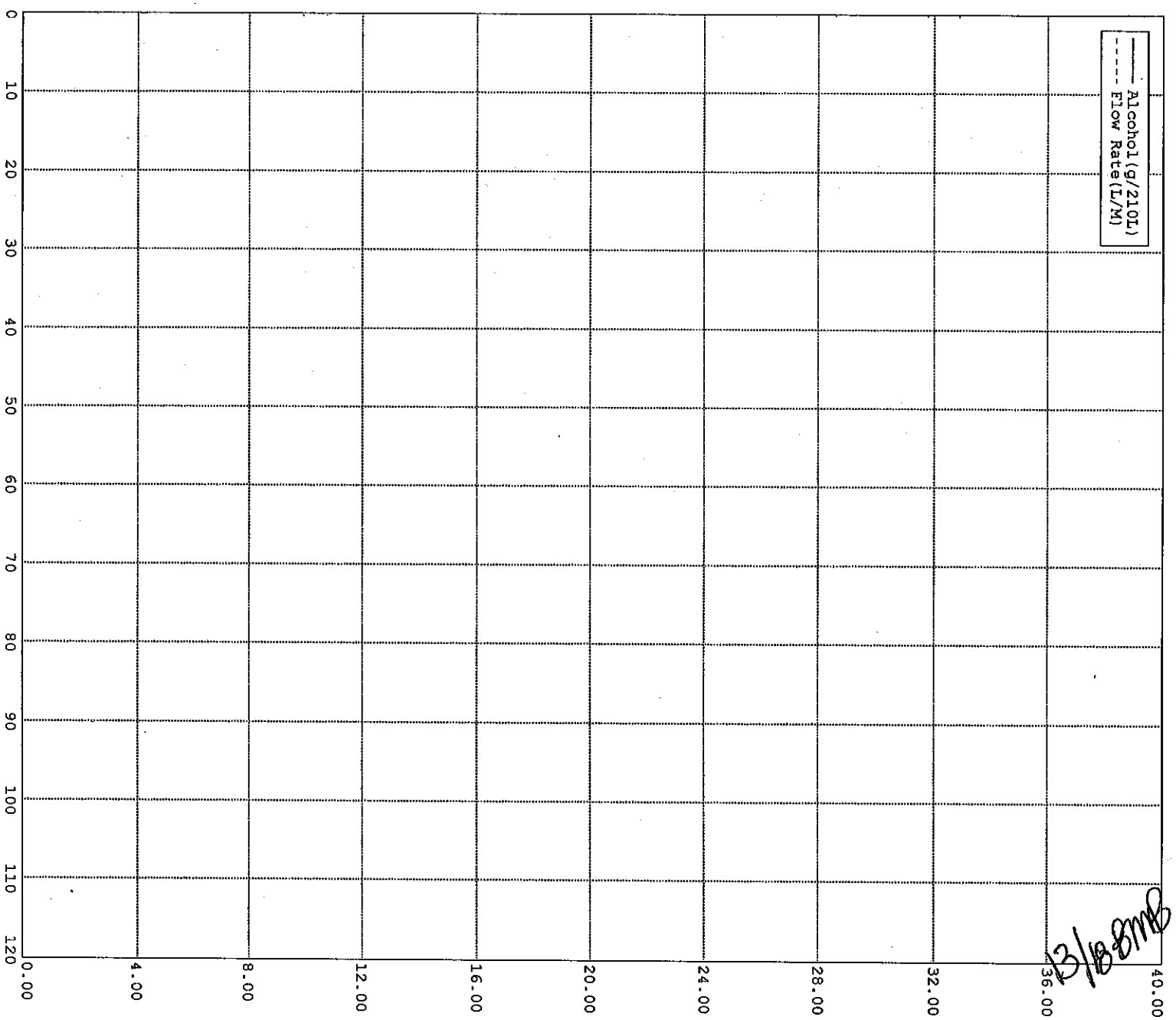
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.080
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:14
BLANK TEST	0.000	14:14
INTERNAL STANDARD	VERIFIED	14:14
EXTERNAL STANDARD	0.081	14:14
BLANK TEST	0.000	14:15
SUBJECT SAMPLE	INCOMPLETE	14:17

BMB



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 04/27/2011
Time: 14:42:50

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

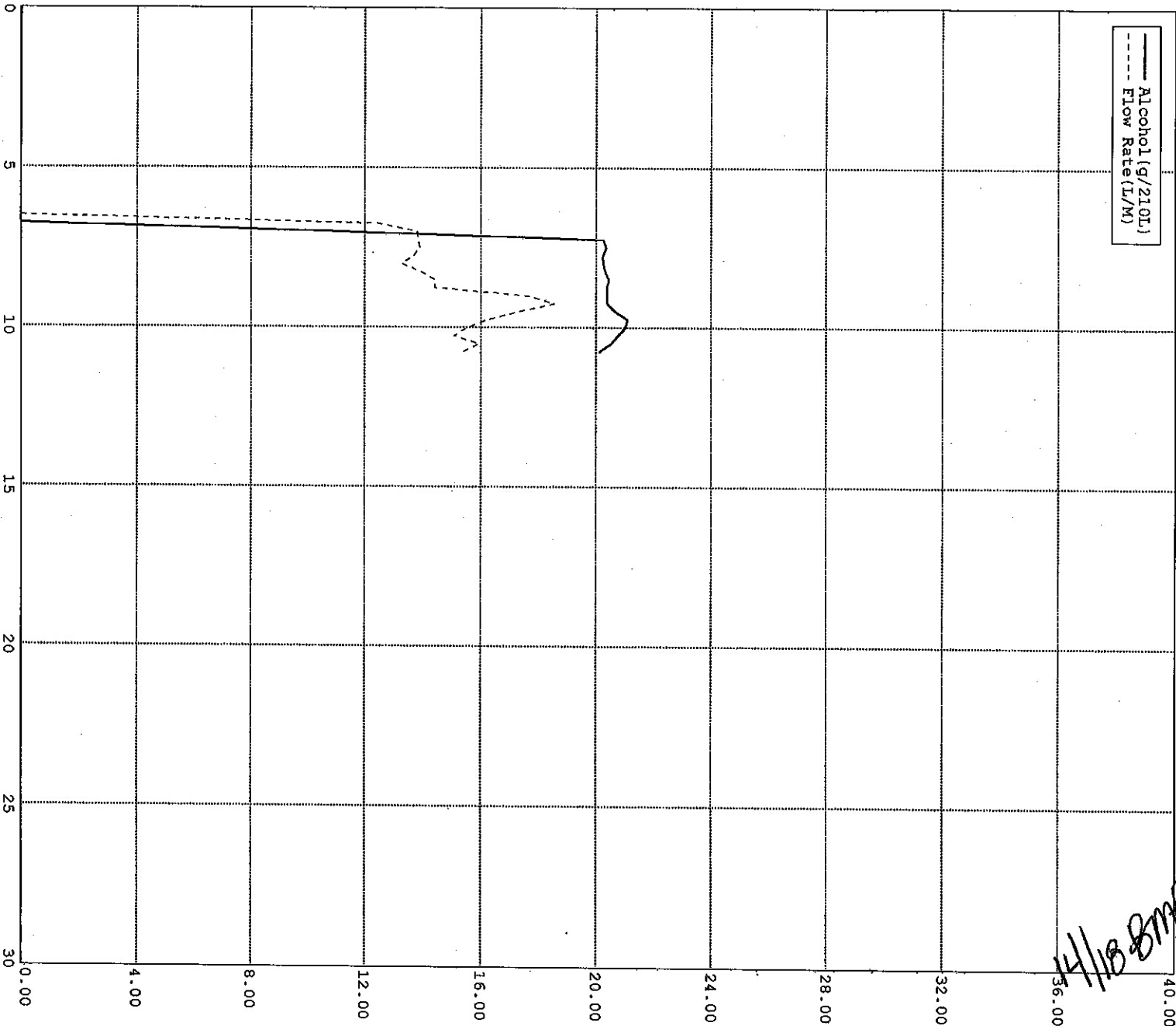
OPERATOR NAME:
INVALID XXXX
OPERATOR'S #: XXXX

DEPT/AGENCY:
KNOWN MOUTH ALCOHOL
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:43
BLANK TEST	0.000	14:43
INTERNAL STANDARD	VERIFIED	14:44
EXTERNAL STANDARD	0.080	14:44
BLANK TEST	0.000	14:45
SUBJECT SAMPLE	Invalid	14:45

BMMB



4/18/11 BMMB

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 04/27/2011
Time: 14:48:56

SUBJECT NAME:
TEST TEST
LICENSE #: INTERFERE

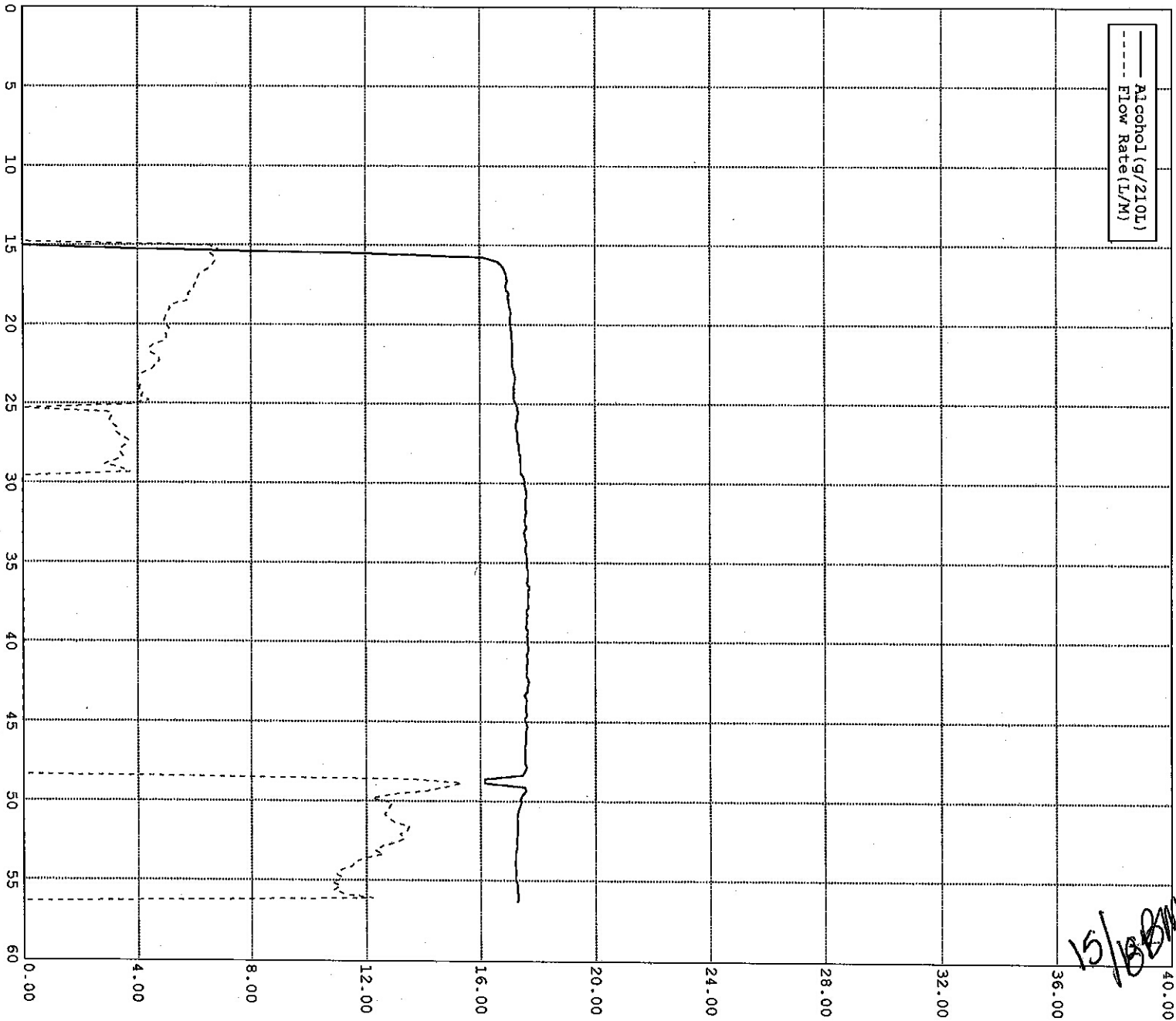
OPERATOR NAME:
ETHANOL AND ACETONE
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:50
BLANK TEST	0.000	14:50
INTERNAL STANDARD	VERIFIED	14:50
EXTERNAL STANDARD	0.081	14:51
BLANK TEST	0.000	14:52
SUBJECT SAMPLE	INTERFERENCE	14:53

BMP



15/18 BMP

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 04/27/2011
 Time: 14:59:47

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

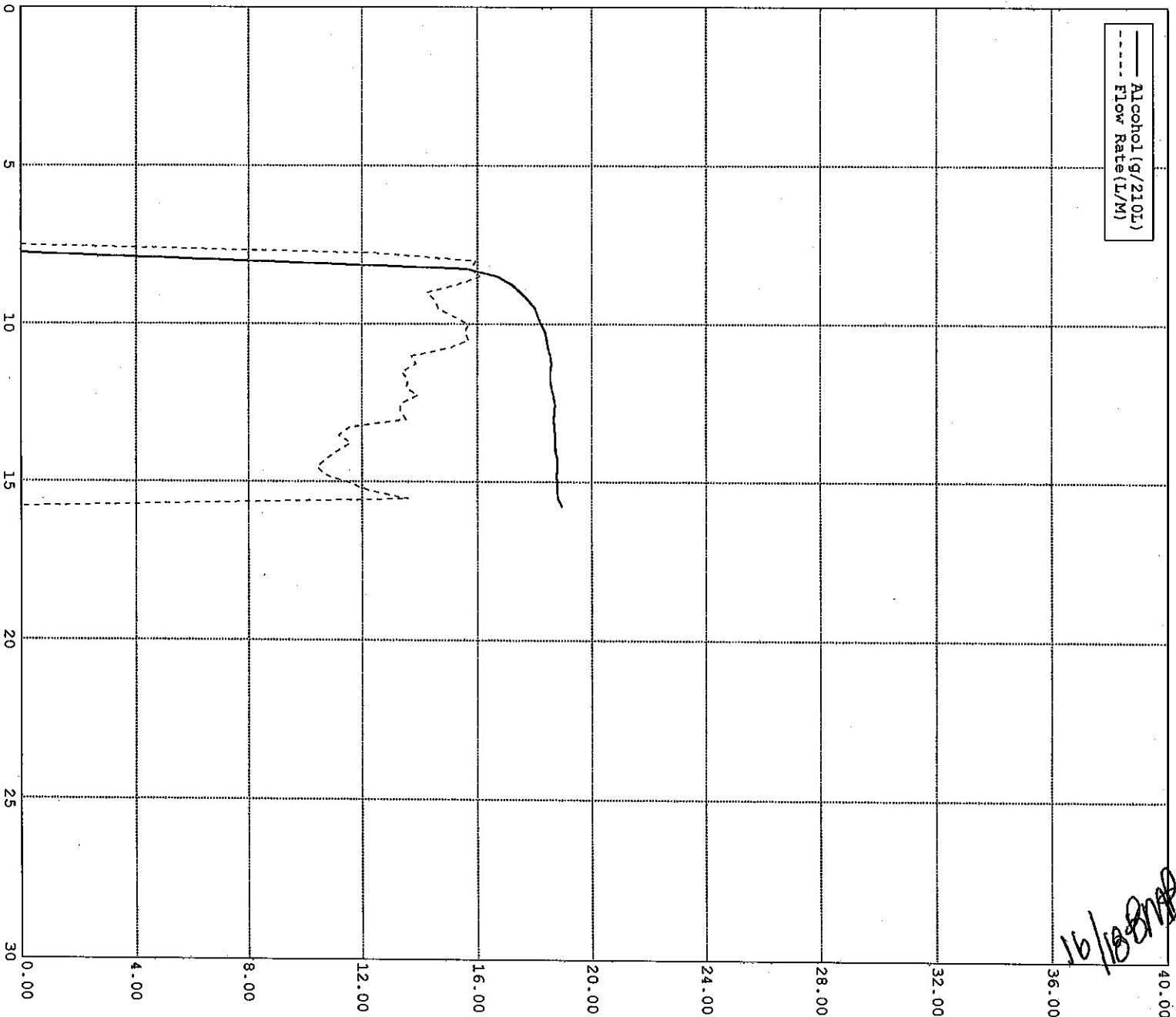
OPERATOR NAME:
 ETHANOL AND ISOPROPANOL
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.080
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	15:00
BLANK TEST	0.000	15:01
INTERNAL STANDARD	VERIFIED	15:01
EXTERNAL STANDARD	0.080	15:01
BLANK TEST	0.000	15:02
SUBJECT SAMPLE	INTERFERE	15:02

BMB



BMB 4/29/11

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 04/27/2011
Time: 15:04:52

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
XXXX X XXXX
OPERATOR'S #: XXXX

DEPT/AGENCY:
RADIO FREQUENCY INTERFERE
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	15:05
BLANK TEST	0.000	15:06
INTERNAL STANDARD	VERIFIED	15:06
EXTERNAL STANDARD	0.081	15:06

RFI Detected

17/10/2011

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100377

Date: 04/27/2011
Time: 15:20:55

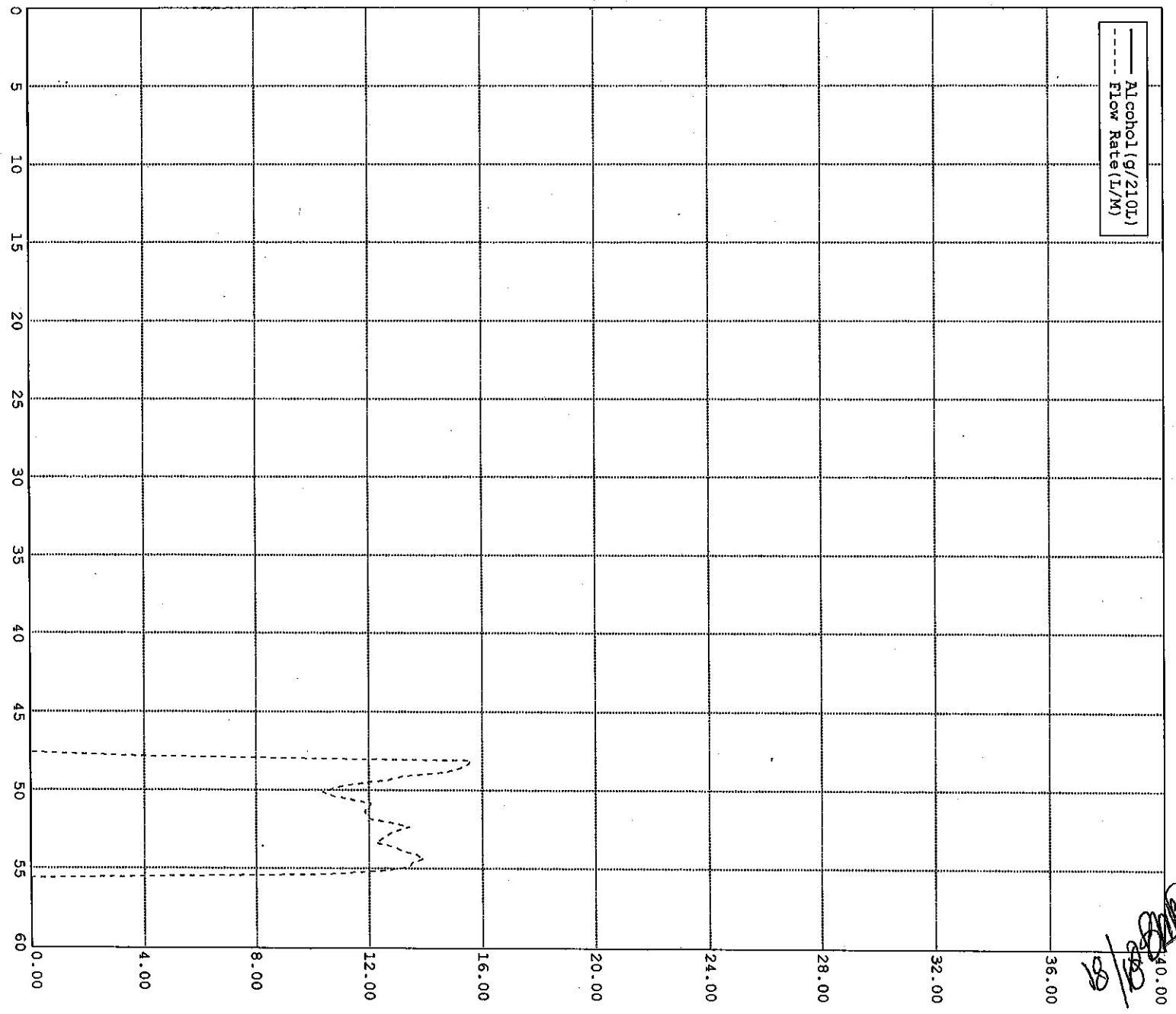
SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.92: 0.080
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	15:22
BLANK TEST	0.000	15:22
INTERNAL STANDARD	VERIFIED	15:22
EXTERNAL STANDARD	0.080	15:23
BLANK TEST	0.000	15:24
SUBJECT SAMPLE	0.000	15:25
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.081	15:26
BLANK TEST	0.000	15:27



18/04/2011
[Signature]

Final page for report

\

\\ANCSCLSAN01\JTRAX\CASEDOCS\B-100377\B-100377 ECF-20131

12/10/2013