

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 01/27/2012
Effective: 01/27/2012

Version: DMCEF2012 R0
Status: Active

Instrument S/N 100354Analyst Brandi BarnettStart Date 2/29/12Diagnostic Test (attached) ☒

Software updated to 2.00 + USB Fixer BMB 2/29/12
verified rear vented BMB 3/2/12

1. Voltage Checks

a. Adjust voltages, if needed ☒

i. Lamp (2.6V Maximum)

ii. Bias (80V)

iii. Cooler (2.0V Maximum)

iv. Chopper Frequency

v. Detector Voltage (-0.100V to 0.100V)

b. Set RFI ☒c. Adjust barometer reading to match NIST traceable barometer ☒d. Adjust volume setting, if needed (1.5L +/- 0.1L) ☒

e. Print Technician Screen (attached)

2. Print Calibration Factors (attached)

3. Volume Test - Minimum 1600 mL (1.3L to 1.7L) ☒

4. Linearity Test (attached)

a. Levels Used ☒i. 0.020g/210L Mnf ILMO Lot 07611020A5 Exp 03/01/2013ii. 0.040g/210L Mnf ILMO Lot 07611040A4 Exp 03/01/2013iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 02/01/2013iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 03/01/2013v. 0.200g/210L Mnf Guth Lot 11120 Exp 07/19/20131. Simulator S/N SD1176 Date Calibrated 08/17/2011vi. 0.300g/210L Mnf Guth Lot 11110 Exp 07/13/20131. Simulator S/N SD1202 Date Calibrated 8/17/2011

5. Functional Tests (attached)

a. Incomplete ☒b. Invalid ☒c. Interference ☒i. Acetone - Mnf Guth Lot 11200 Level 0.080 Exp 10/11/131. Simulator S/N SD1199 Date Calibrated 01/11/12ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/121. Simulator S/N DR 6267 Date Calibrated 01/10/12d. RFI ☒6. Verify stylus is calibrated ☒10. Verification of Calibration ☒7. Verify card reader is functional ☒11. Non-Drinking Subject Test (attached) ☒8. Reset Options ☒12. Upload ☒9. Clear Memory ☒13. Update agency information and polling status in DM Host Calling Program ☒End Date 3/6/12

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100354

Date: 03/02/2012
Time: 13:10:39

VERSIONS

DMT: 2.00
PIC: 3.03
Modem: 2.3
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 46.3°C	PASSED

PUMP INFO

Flow Rate = 5.264 L/M	PASSED
-----------------------	--------

DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

INTERNAL STANDARD	PASSED
-------------------	--------

2/108MB

Technician Screen

DATAMASTER dmt: 100354

Date: 03/02/2012

Time: 1:20 PM

Temperatures (°C)

Sample Cell: 49.2°C

Breath Tube: 45.6°C

Current Barometer 29.2 in

Volume (Ltr) 1.51

Settings

Lamp: 1.59 V

Bias: 79 V

Cooler: 1.61 V

Chopper: 536 Hz

Voltages (V)

Flow: 1.05 V

Detector: 0.016 V

3/18/12
BMB

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100354

Date: 09/27/2011
Time: 13:04:23

OPERATOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

LOT #: GUTH100
BOTTLE #: 11050
EXPIRATION: 04/06/2013

Ca = 0.1000
CAL = 0.969216 0.800 <= CAL < 1.200
b1 = 0.0001 0.0000 <= b1 < 0.0040
b2 = 0.0049 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.0953 0.0500 <= Xq < 0.2000
a21 = 1.175978 1.050 <= a21 < 1.300
a31 = 0.450287 0.300 <= a31 < 0.800

4/10/08 BMB

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

Date: 03/02/2012
 Time: 13:22:43

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

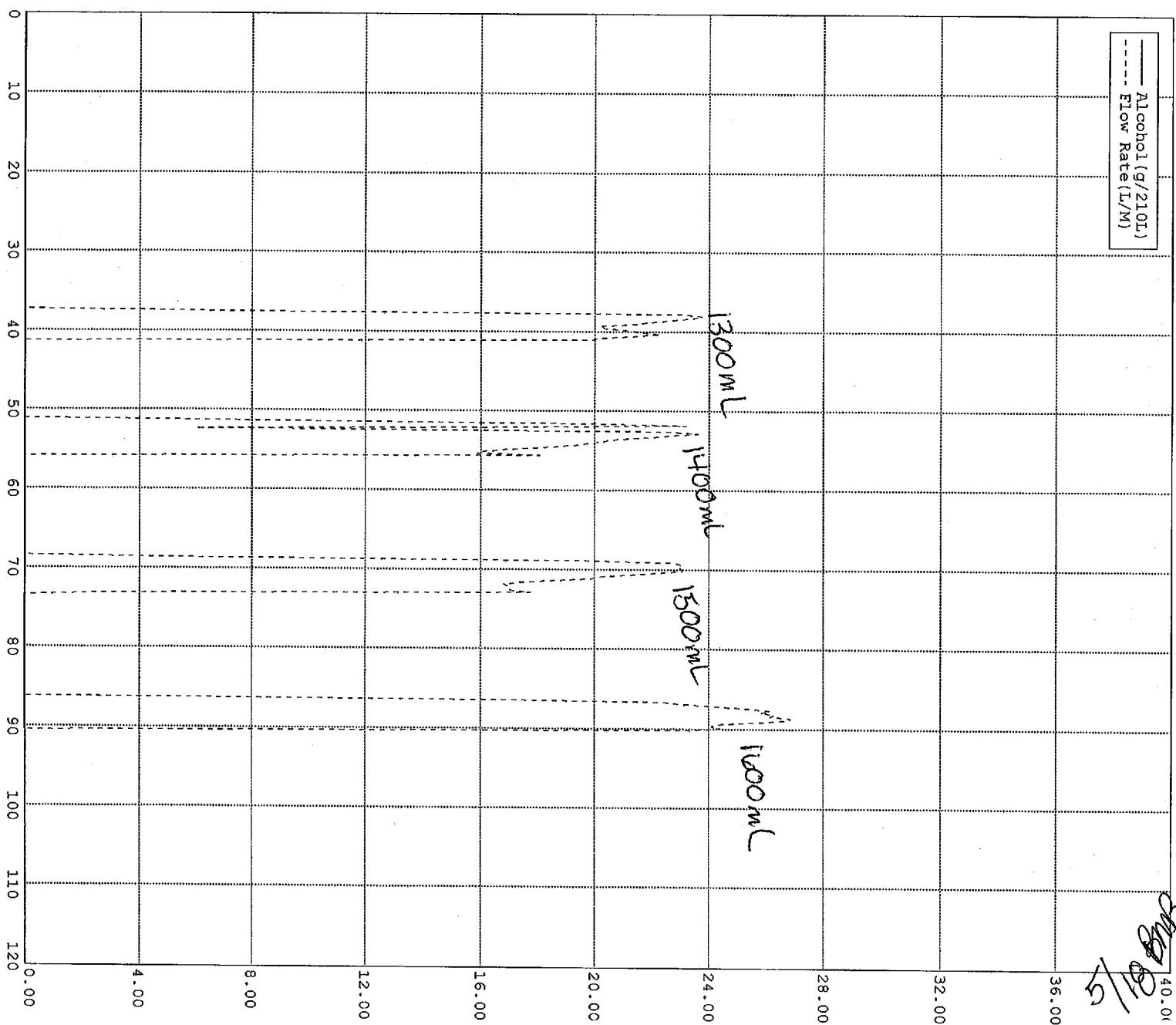
OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.22: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:23
BLANK TEST	0.000	13:24
INTERNAL STANDARD	VERIFIED	13:24
EXTERNAL STANDARD	0.075	13:24
BLANK TEST	0.000	13:25
SUBJECT SAMPLE	0.000	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.075	13:28
BLANK TEST	0.000	13:28

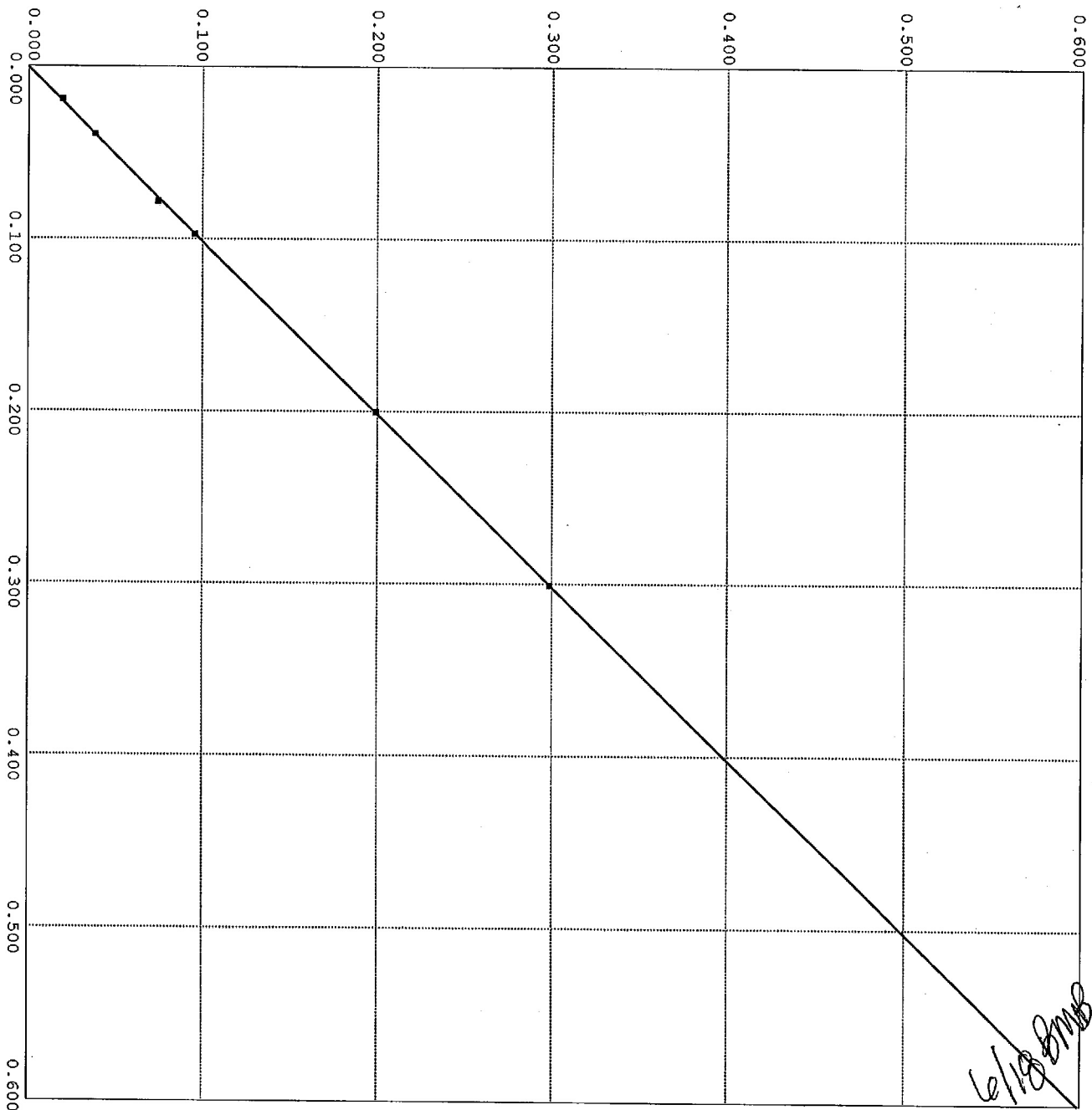
Handwritten signature/initials



LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100354Date: 03/02/2012
Time: 13:36:48SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.019	0.0199	0.0002
0.039	0.0390	0.0003
0.078	0.0757	0.0001
0.097	0.0967	0.0002
0.200	0.2000	0.0004
0.300	0.2992	0.0009

SLOPE = 0.998138
 R^2 = 0.999902

BMB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100354

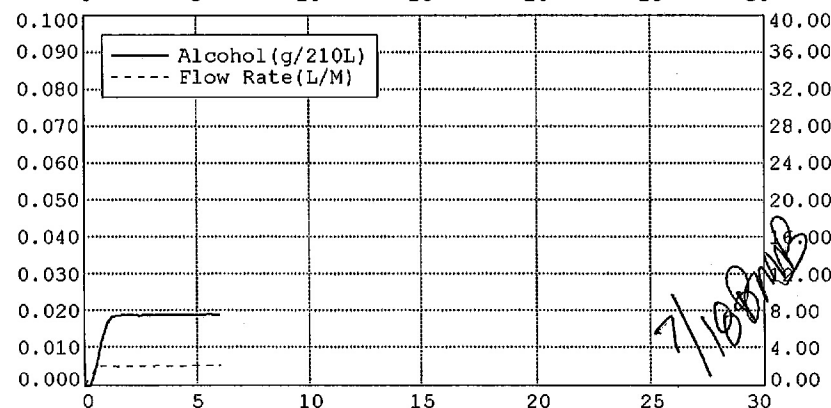
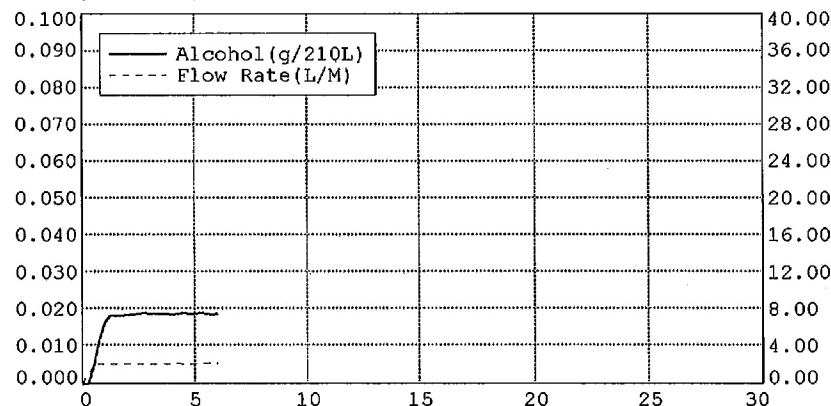
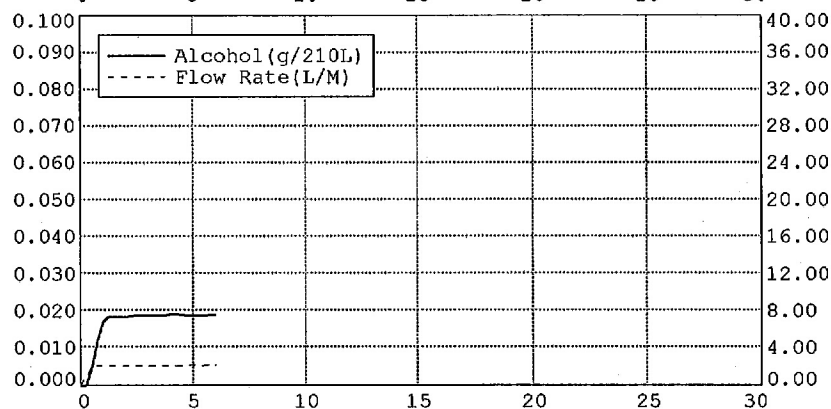
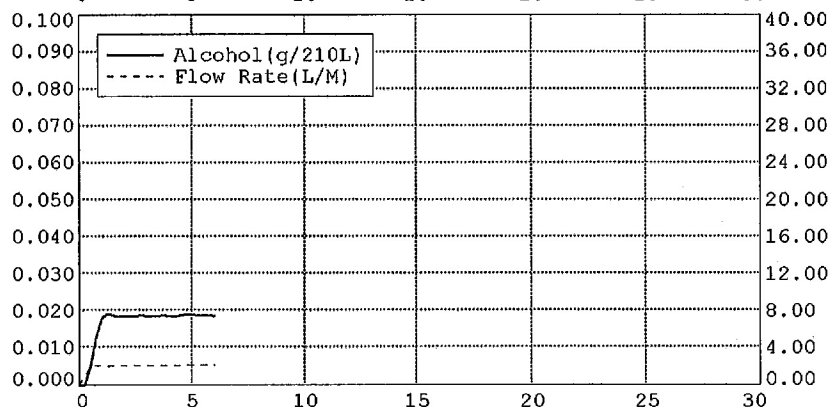
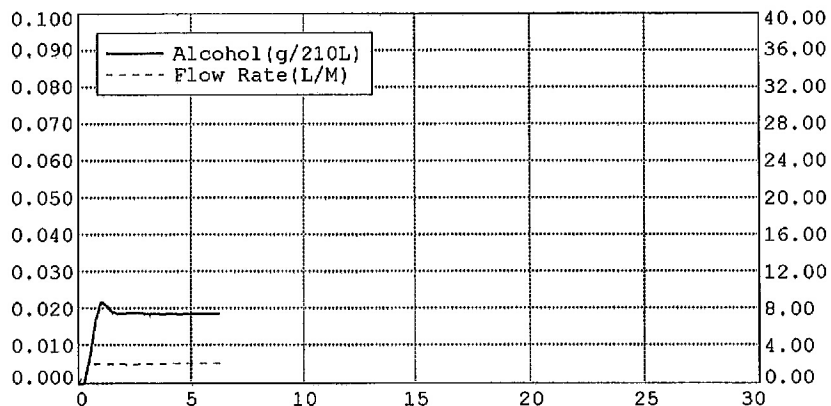
Date: 03/02/2012
Time: 13:36:49

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.21: 0.019
LOT #: 07611020A5
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:37
INTERNAL STANDARD	VERIFIED	13:37
EXTERNAL STANDARD	0.019	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.019	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.019	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.019	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.020	13:42
BLANK TEST	0.000	13:43

Average = 0.0199
Std Dev = 0.0002



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100354

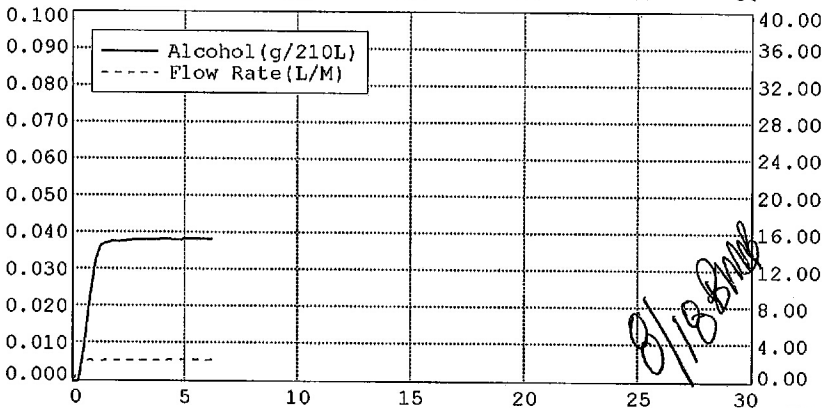
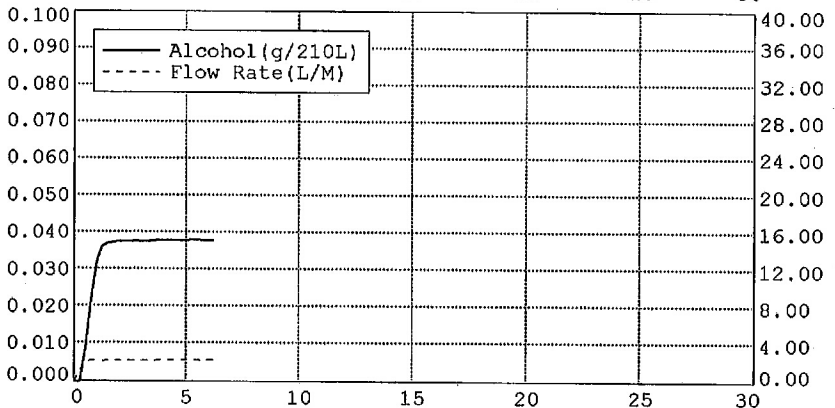
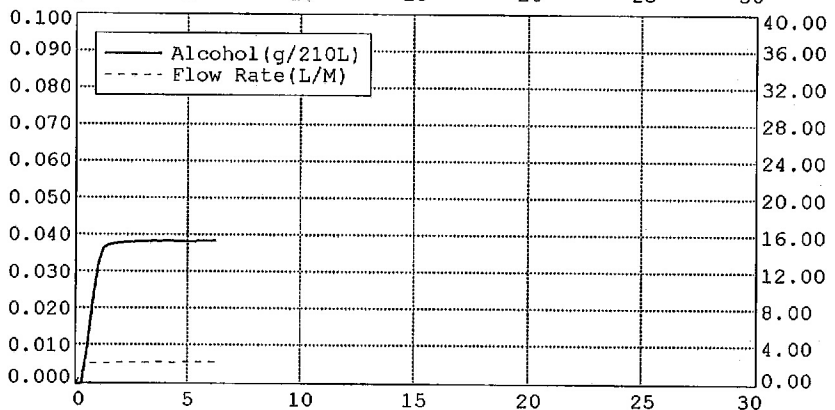
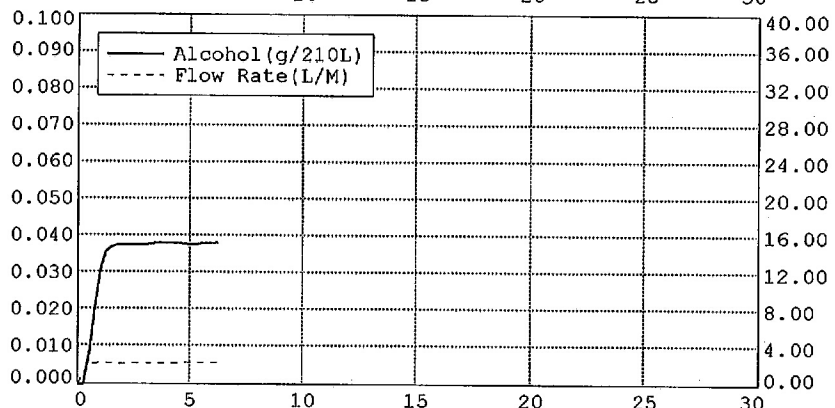
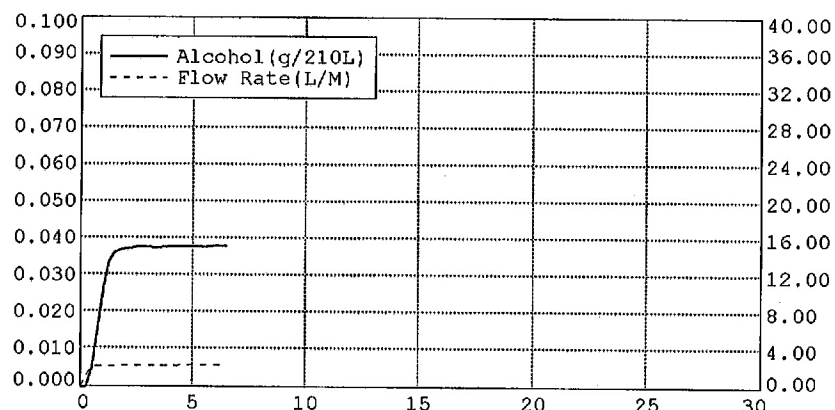
Date: 03/02/2012
Time: 13:49:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.21: 0.039
LOT #: 07611040A4
EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:50
INTERNAL STANDARD	VERIFIED	13:50
EXTERNAL STANDARD	0.038	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.038	13:52
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.039	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.038	13:54
BLANK TEST	0.000	13:55
EXTERNAL STANDARD	0.039	13:55
BLANK TEST	0.000	13:56

Average = 0.0390
Std Dev = 0.0003



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100354

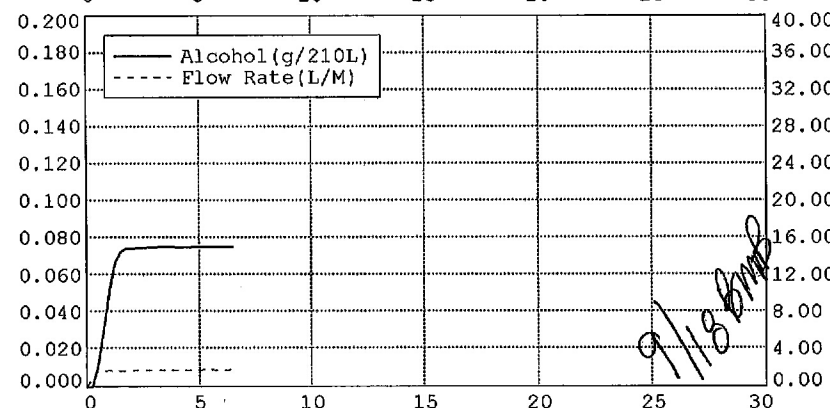
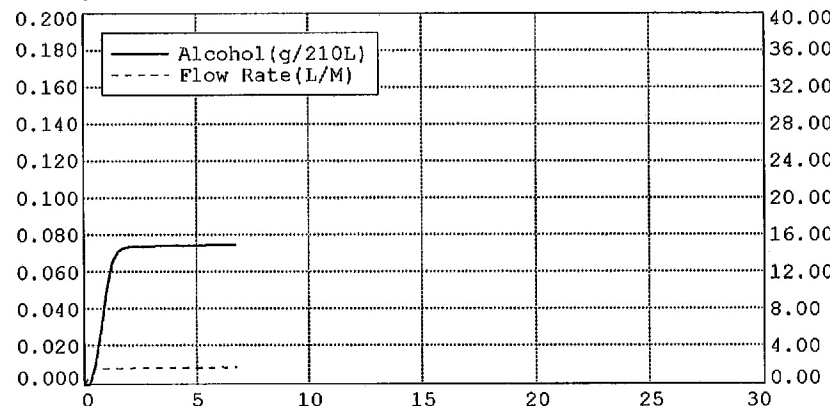
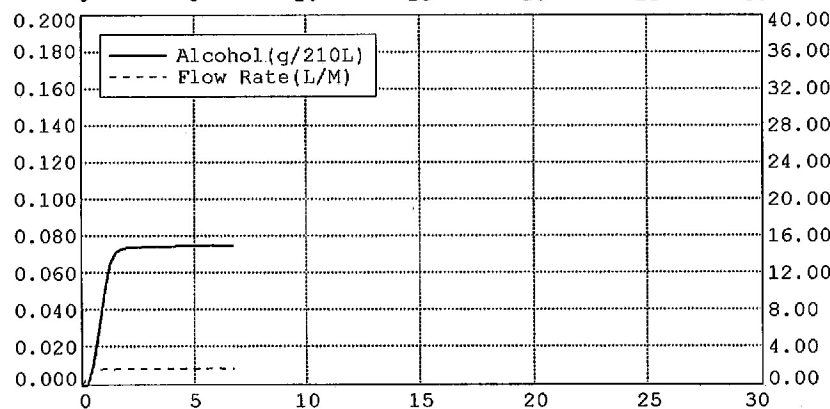
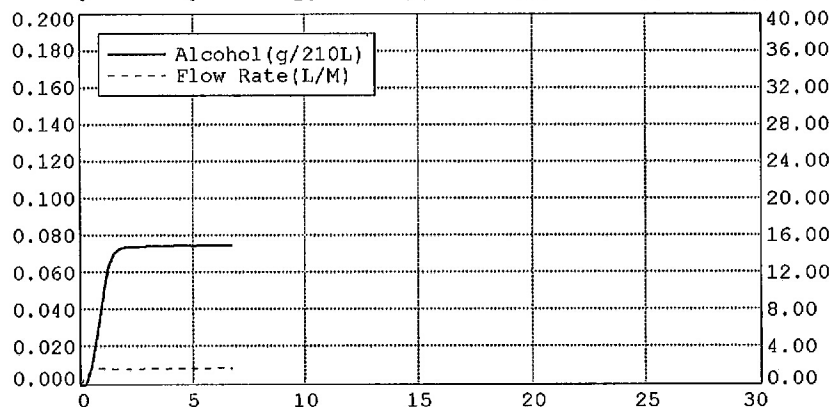
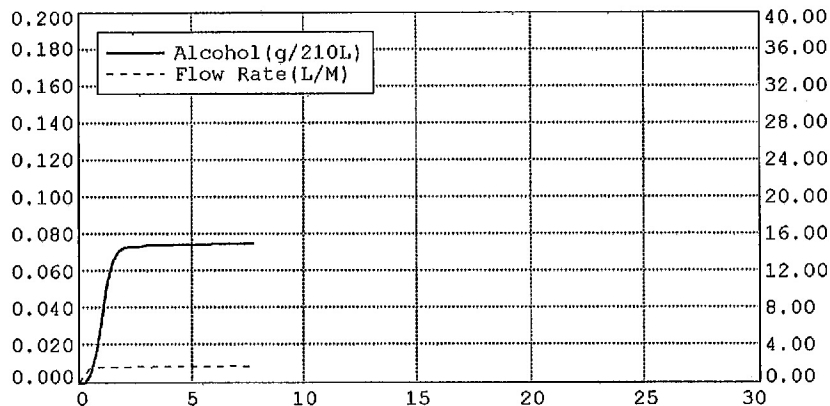
Date: 03/02/2012
Time: 13:59:42

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.21: 0.078
LOT #: 02511080A3
EXPIRATION: 02/01/2013

BLANK TEST	0.000	14:00
INTERNAL STANDARD	VERIFIED	14:00
EXTERNAL STANDARD	0.075	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.075	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.075	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.075	14:04
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.075	14:05
BLANK TEST	0.000	14:06

Average = 0.0757
Std Dev = 0.0001



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100354

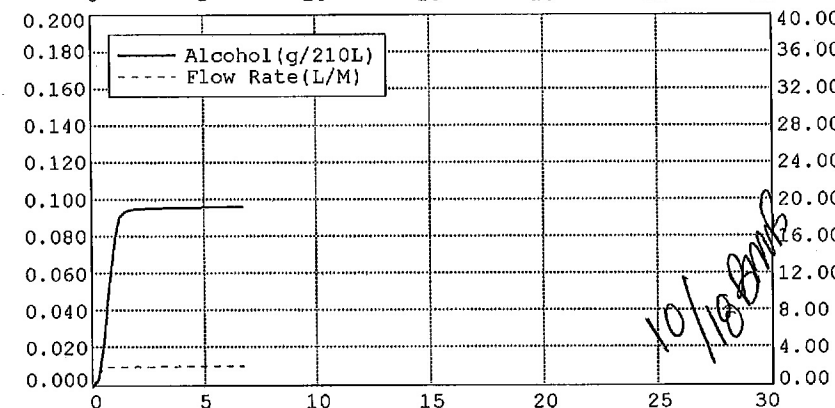
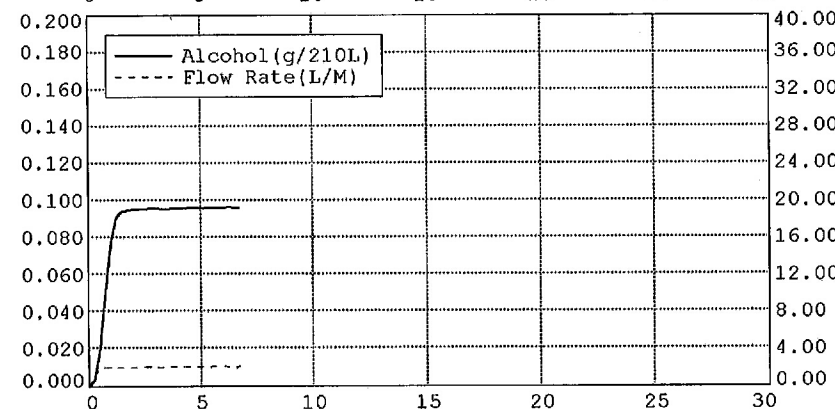
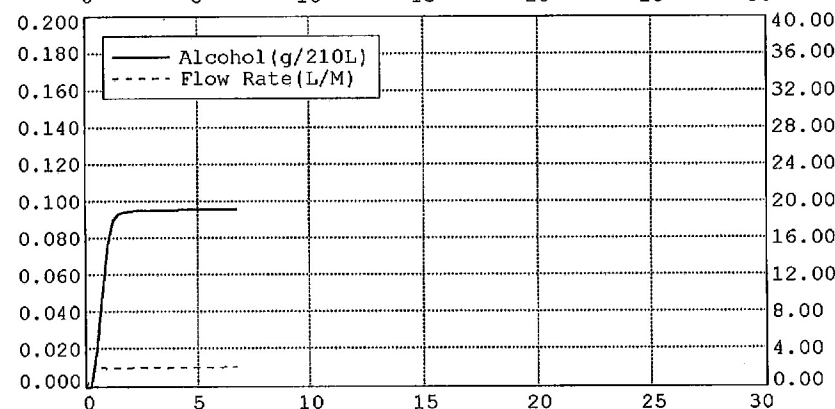
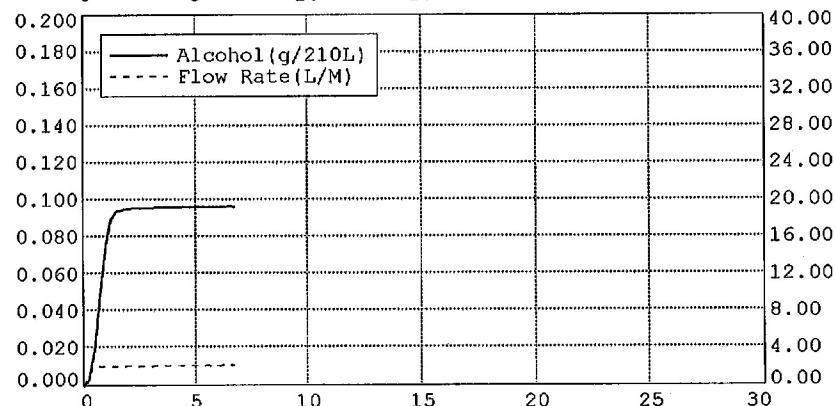
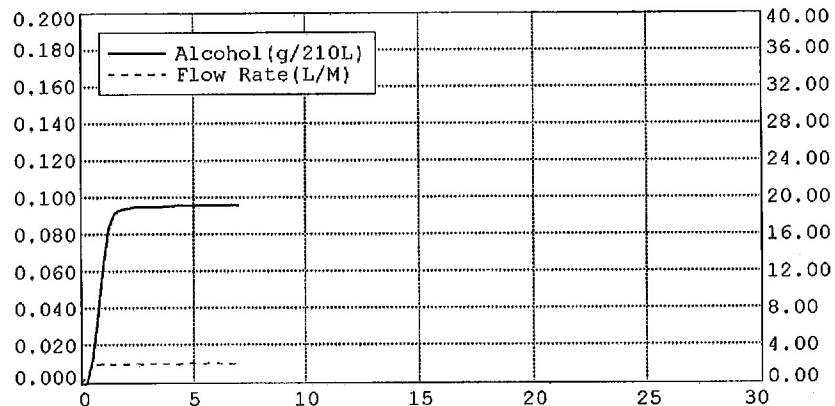
Date: 03/02/2012
Time: 14:09:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.21: 0.097
LOT #: 07611100A3
EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
EXTERNAL STANDARD	0.096	14:10
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.096	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.096	14:12
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.096	14:13
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.096	14:14
BLANK TEST	0.000	14:15

Average = 0.0967
Std Dev = 0.0002



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
DATAMASTER dmt: 100354

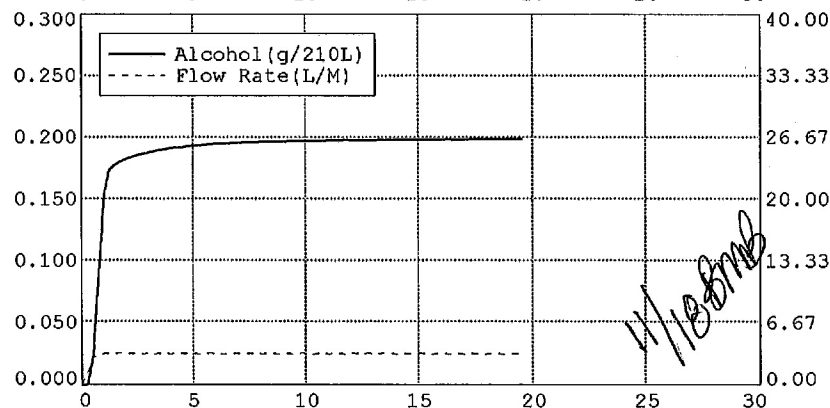
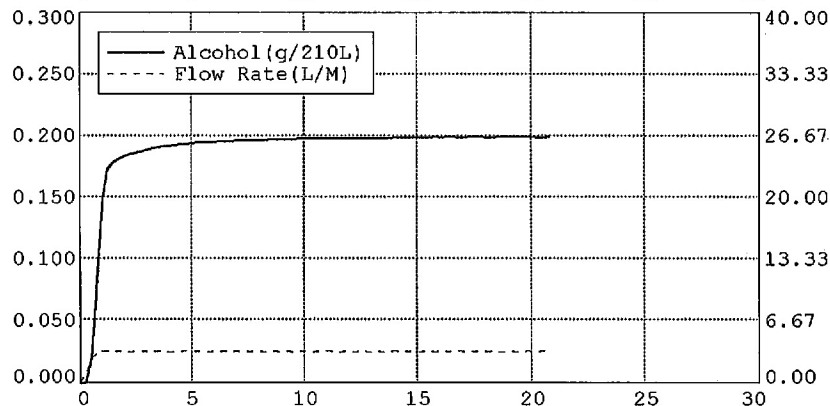
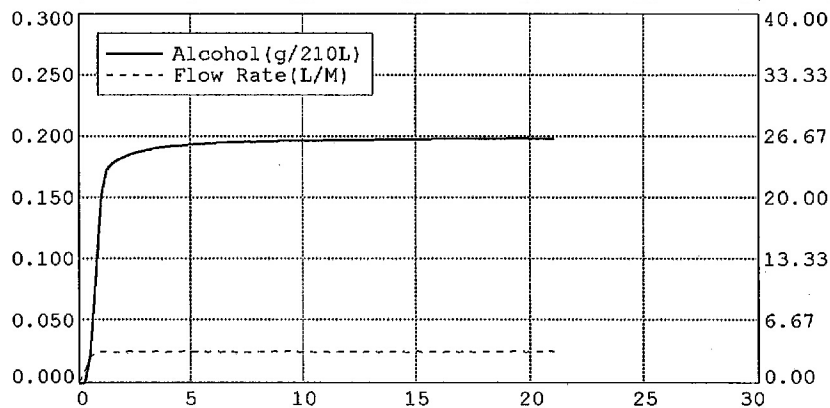
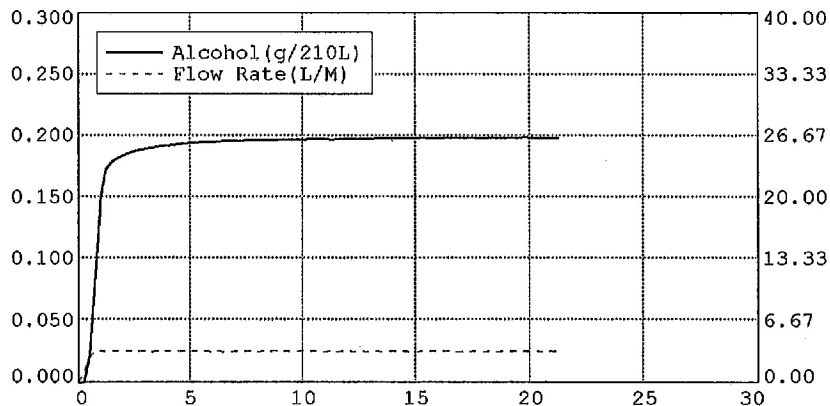
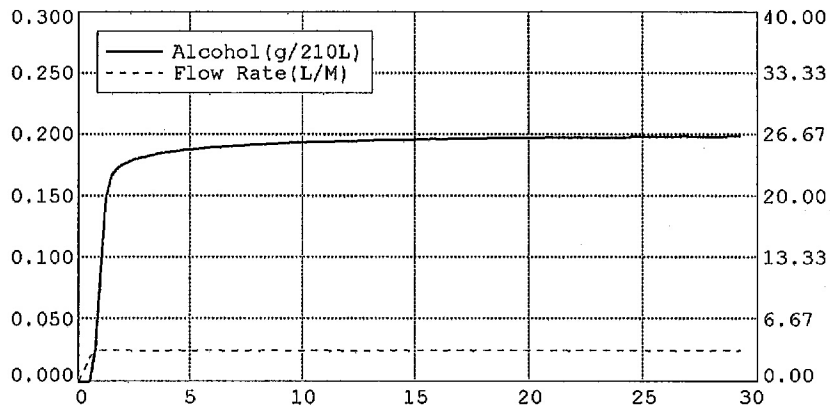
Date: 03/02/2012
Time: 14:20:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
LOT #: 11120
EXPIRATION: 07/19/2013

BLANK TEST	0.000	14:21
INTERNAL STANDARD	VERIFIED	14:21
EXTERNAL STANDARD	0.199	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.199	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.199	14:25
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.200	14:26
BLANK TEST	0.000	14:27
EXTERNAL STANDARD	0.200	14:27
BLANK TEST	0.000	14:28

Average = 0.2000
Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100354

Date: 03/02/2012

Time: 14:34:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300

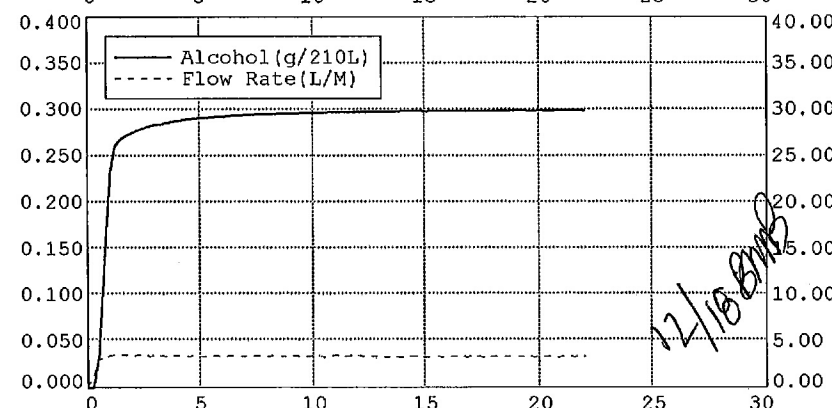
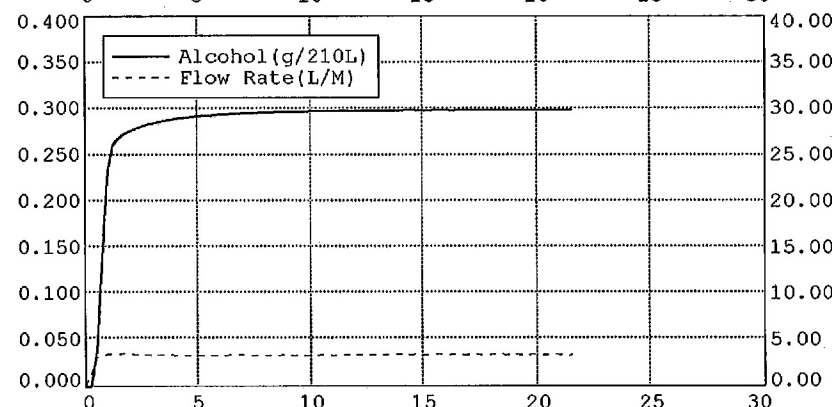
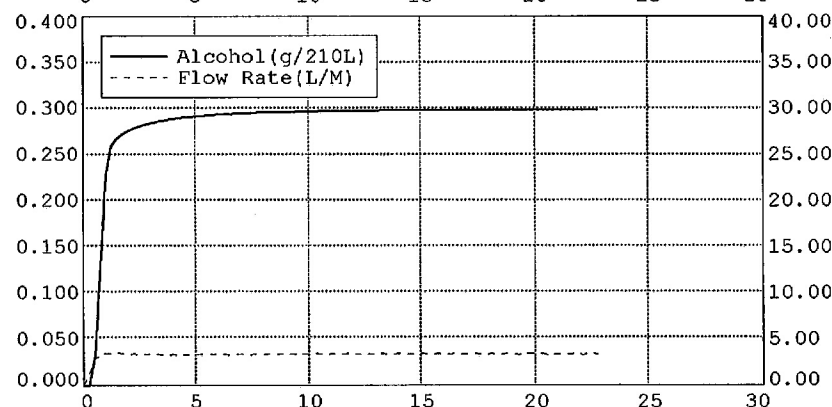
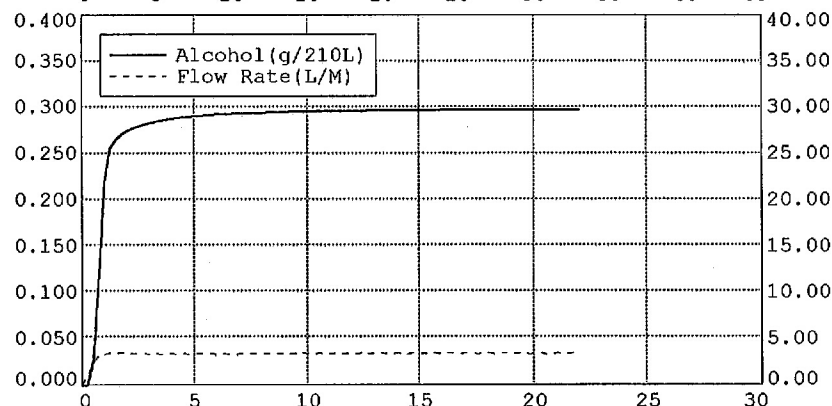
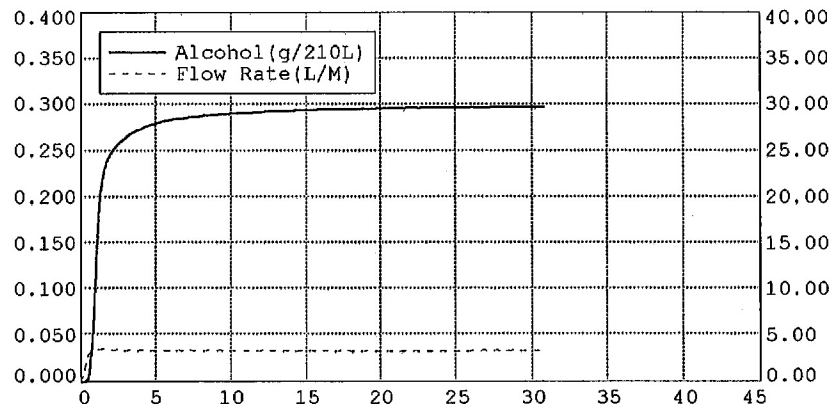
LOT #: 11110

EXPIRATION: 07/13/2013

BLANK TEST	0.000	14:35
INTERNAL STANDARD	VERIFIED	14:35
EXTERNAL STANDARD	0.298	14:36
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.298	14:37
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.299	14:39
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.300	14:40
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.300	14:42
BLANK TEST	0.000	14:42

Average = 0.2992

Std Dev = 0.0009



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100354

Date: 03/05/2012
Time: 12:58:59

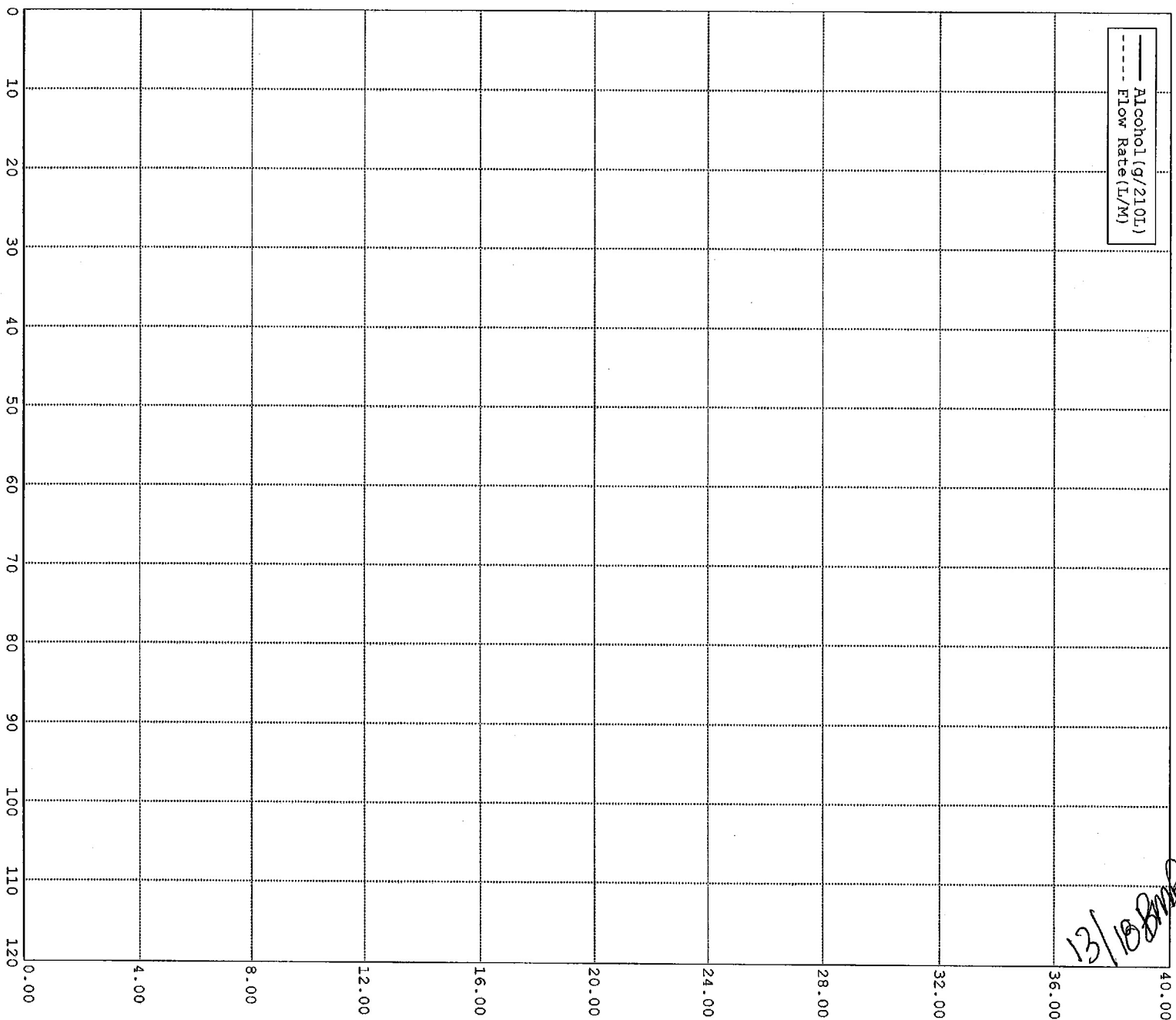
SUBJECT NAME:
TEST TEST
LICENSE #: INCOMPLETE

OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.88: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	
BLANK TEST	PASSED 13:00
INTERNAL STANDARD	0.000 13:00
EXTERNAL STANDARD	VERIFIED 13:00
BLANK TEST	0.077 13:00
SUBJECT SAMPLE	0.000 13:01
	INCOMPLETE 13:03



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100354

Date: 03/05/2012
Time: 14:31:31

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

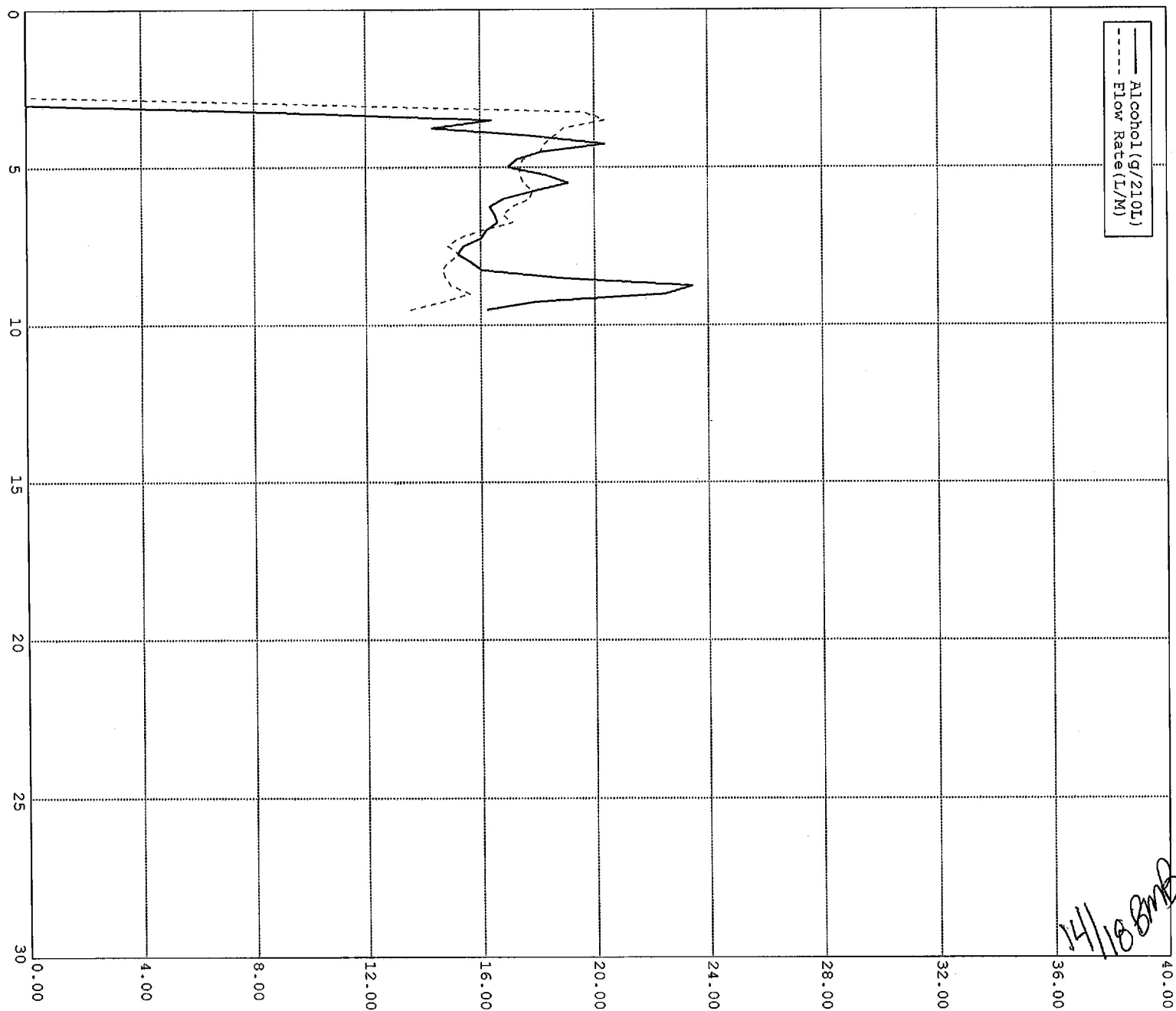
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.82: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	
BLANK TEST	PASSED 14:33
INTERNAL STANDARD	0.000 14:33
EXTERNAL STANDARD	VERIFIED 14:33
BLANK TEST	0.076 14:33
SUBJECT SAMPLE	0.000 14:34
	INVALID 14:36

BBMB

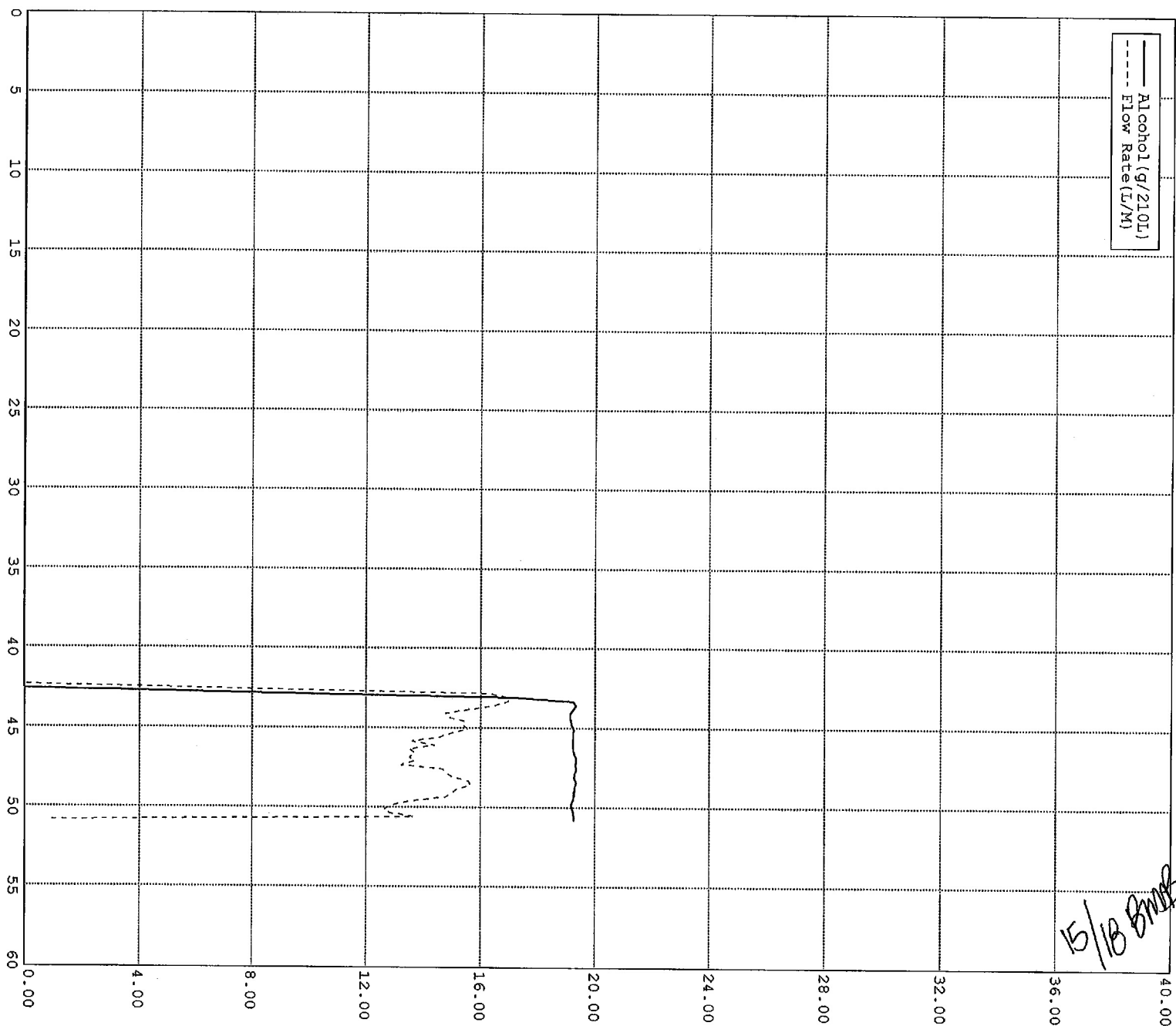


SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100354Date: 03/05/2012
Time: 14:51:41SUBJECT NAME:
TEST TEST
LICENSE #: INTERFEREOPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038DEPT/AGENCY:
ISOPROPANOL AND ETHANOL
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.82: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	
BLANK TEST	PASSED 14:53
INTERNAL STANDARD	0.000 14:53
EXTERNAL STANDARD	VERIFIED 14:53
BLANK TEST	0.076 14:53
SUBJECT SAMPLE	0.000 14:54
	INTERFERENCE 14:55

BMB



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

Date: 03/05/2012
 Time: 14:58:50

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

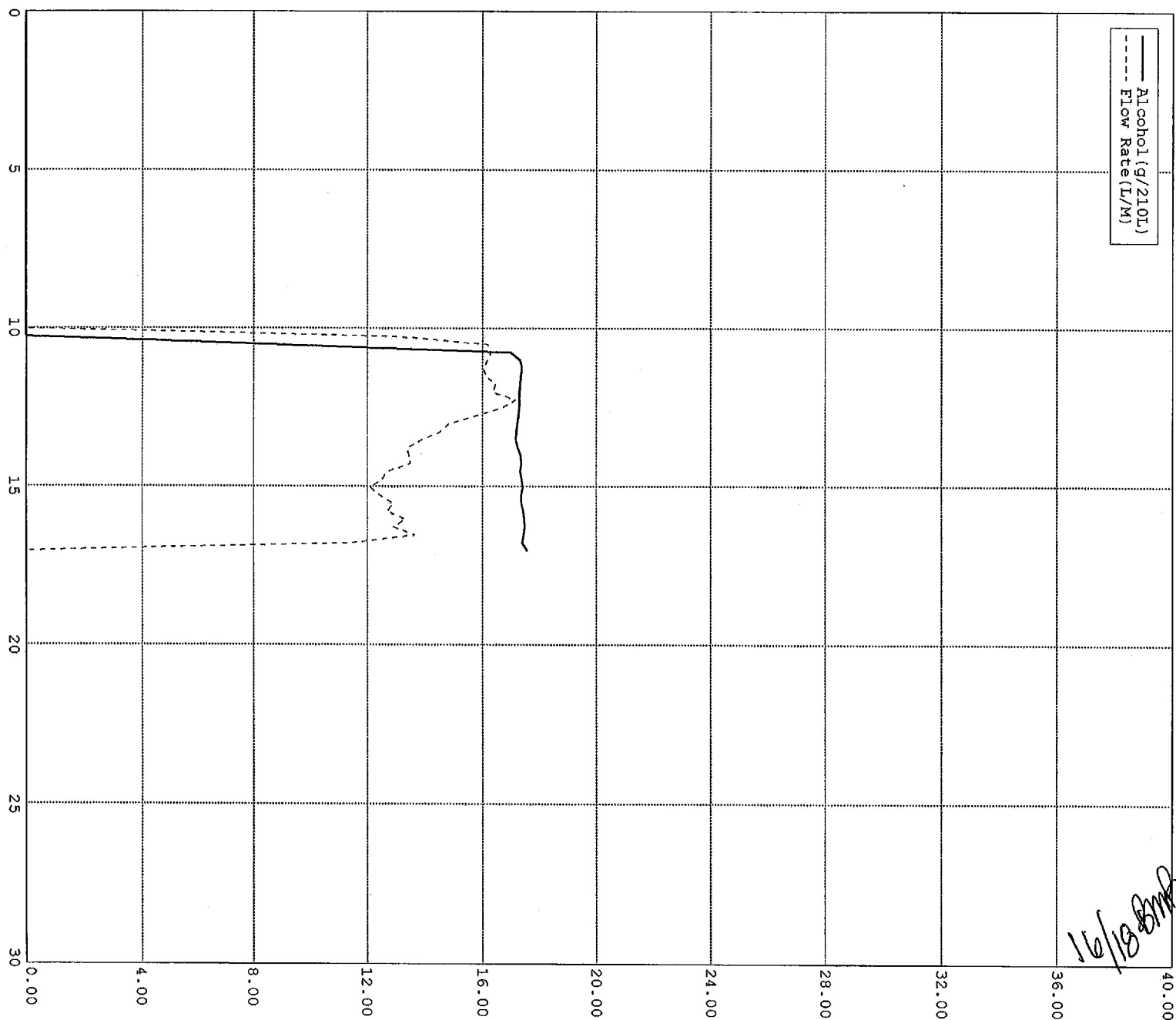
OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

DEPT/AGENCY:
 ACETONE AND ETHANOL
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.82: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK		PASSED	14:59
BLANK TEST	0.000	14:59	
INTERNAL STANDARD	VERIFIED	15:00	
EXTERNAL STANDARD	0.077	15:00	
BLANK TEST	0.000	15:01	
SUBJECT SAMPLE	INTERFERENCE	15:01	

Brandi Barnett

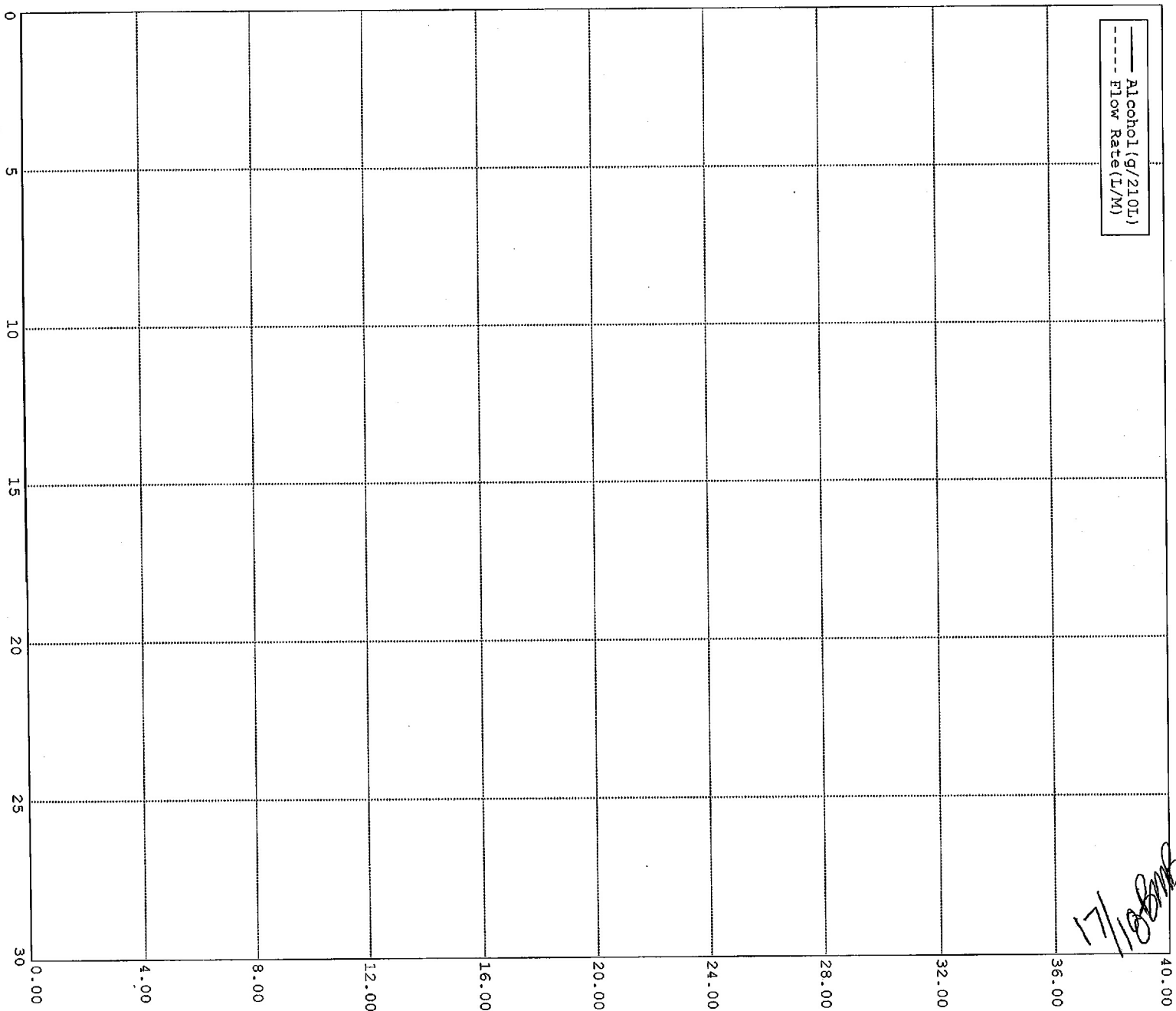


Brandi Barnett
 16/03/12

SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100354Date: 03/05/2012
Time: 14:39:21SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038DEPT/AGENCY:
RADIO FREQUENCY INTERFERE
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.82: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013DIAGNOSTIC CHECK
BLANK TEST PASSED 14:42
INTERNAL STANDARD VERIFIED 14:42
EXTERNAL STANDARD 0.077 14:42
BLANK TEST 0.000 14:43

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

Date: 03/05/2012
 Time: 15:30:58

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.77: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	15:32
BLANK TEST	0.000	15:32
INTERNAL STANDARD	VERIFIED	15:32
EXTERNAL STANDARD	0.077	15:32
BLANK TEST	0.000	15:33
SUBJECT SAMPLE	0.000	15:34
BLANK TEST	0.000	15:35
EXTERNAL STANDARD	0.077	15:35
BLANK TEST	0.000	15:36

END

