

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 01/27/2012

Effective: 01/27/2012

Version: DMCEF2012 R0

Status: Active

Instrument S/N 100349Analyst Brandi BarnettStart Date 3/22/12Diagnostic Test (attached) ☒

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 02811040A2 Exp 02/01/2013iii. 0.080g/210L Mnf ILMO Lot 02511080A2 Exp 02/01/2013iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 03/01/2013v. 0.200g/210L Mnf Guth Lot 11120 Exp 7/19/20131. Simulator S/N SD1176 Date Calibrated 8/17/2011vi. 0.300g/210L Mnf Guth Lot 11110 Exp 7/13/20131. 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 ^{BMB} H20 Level 0.080 Exp 10/11/20131. Simulator S/N SD1199 Date Calibrated 01/11/2012ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/20121. Simulator S/N DR6267 Date Calibrated 01/10/2012d. RFI ☒6. Verify stylus is calibrated ☒7. Verify card reader is functional ☒8. Reset Options ☒9. Clear Memory ☒10. Verification of Calibration ☒11. Non-Drinking Subject Test (attached) ☒12. Upload ☒13. Update agency information and polling status in DM Host Calling Program ☒End Date 3/27/12

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 03/22/2012
Time: 01:59:21

VERSIONS
DMT: 2.00
PIC: 3.02
Modem: 2.3
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 47.9°C	PASSED

PUMP INFO	
Flow Rate = 5.120 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
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2/188MB

Technician Screen

DATAMASTER dmt: 100349

Date: 03/22/2012

Time: 2:10 AM

Temperatures (°C)

Sample Cell: 49.1°C

Breath Tube: 47.3°C

Current Barometer 29.9 in

Volume (Ltr) 1.52

Settings

Lamp: 1.75 V

Bias: 80 V

Cooler: 1.76 V

Chopper: 546 Hz

Voltages (V)

Flow: 1.06 V

Detector: -0.017 V

3/18 BMB

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 03/12/2012
Time: 02:18:09

OPERATOR NAME:
BRANDI BARNETT
CERTIFICATE #: 7038

Ca	=	0.1000		
CAL	=	0.971258	0.800	<= CAL < 1.200
b1	=	0.0001	0.0000	<= b1 < 0.0040
b2	=	0.0065	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0816	0.0500	<= Xq < 0.2000
a21	=	1.176909	1.050	<= a21 < 1.300
a31	=	0.556498	0.300	<= a31 < 0.800

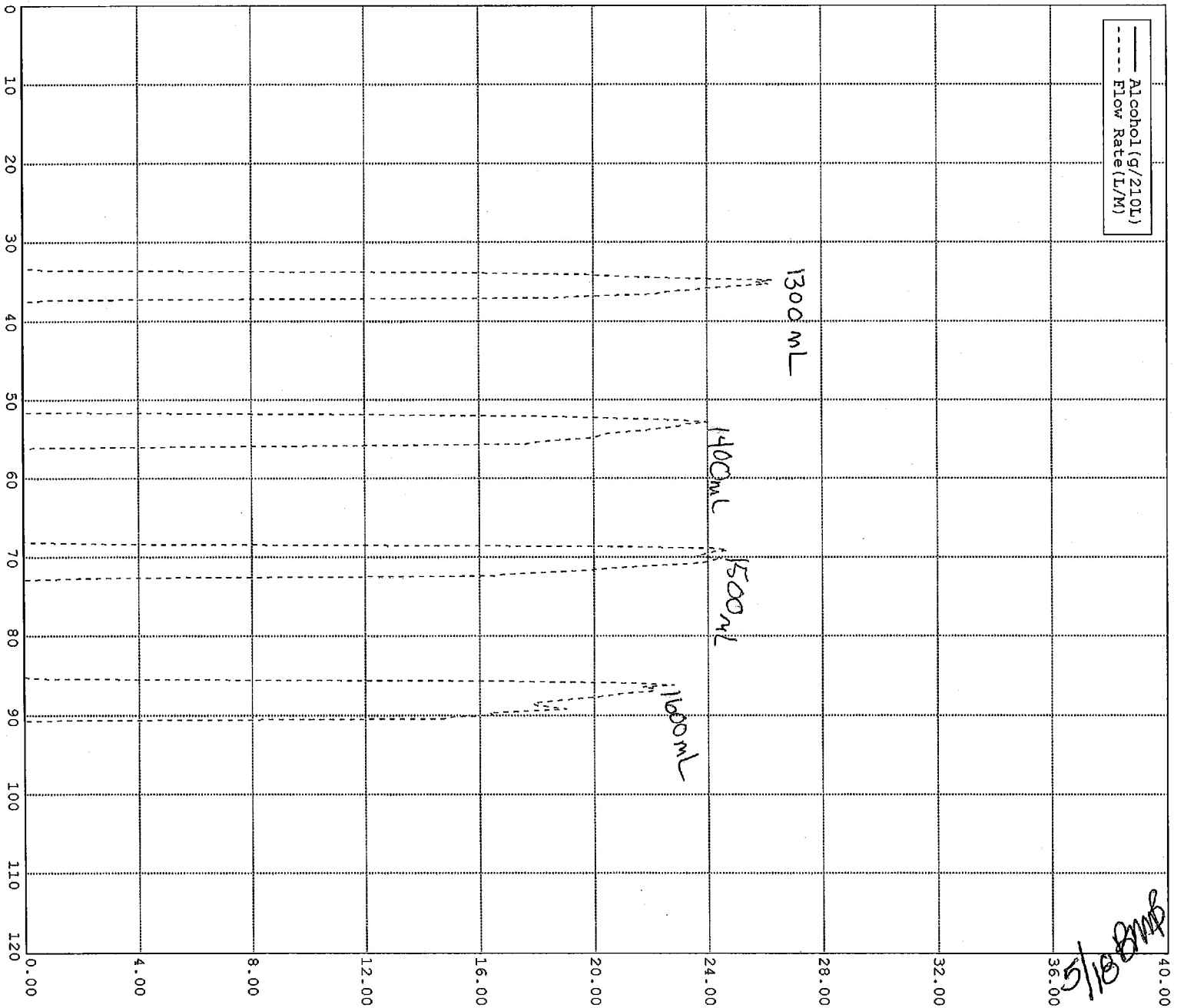
4/18/12 BMB

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349Date: 03/22/2012
Time: 02:13:10SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038DEPT/AGENCY:
MINIMUM VOLUME
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.91: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	02:14
BLANK TEST	0.000	02:14
INTERNAL STANDARD	VERIFIED	02:14
EXTERNAL STANDARD	0.078	02:15
BLANK TEST	0.000	02:16
SUBJECT SAMPLE	0.000	02:17
BLANK TEST	0.000	02:18
EXTERNAL STANDARD	0.078	02:18
BLANK TEST	0.000	02:19

BMB



LINEARITY CHECK

Alaska Department of Public Safety
 DATA MASTER dmt: 100349

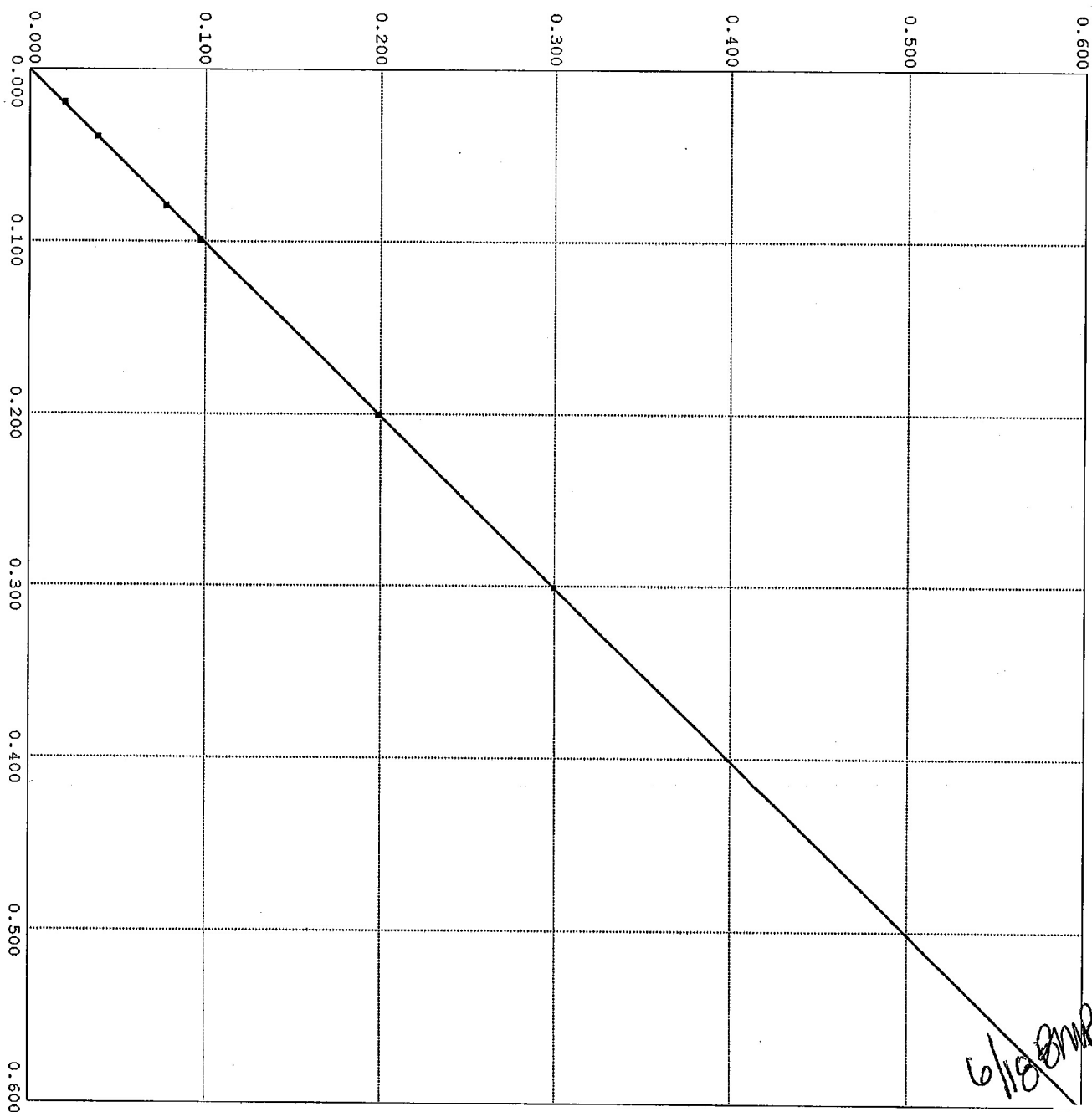
Date: 03/22/2012
 Time: 02:37:30

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.019	0.0206	0.0004
0.039	0.0392	0.0004
0.079	0.0783	0.0004
0.099	0.0982	0.0002
0.200	0.1999	0.0004
0.300	0.3004	0.0007

SLOPE = 0.998701
 R^2 = 0.999938

BB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100349

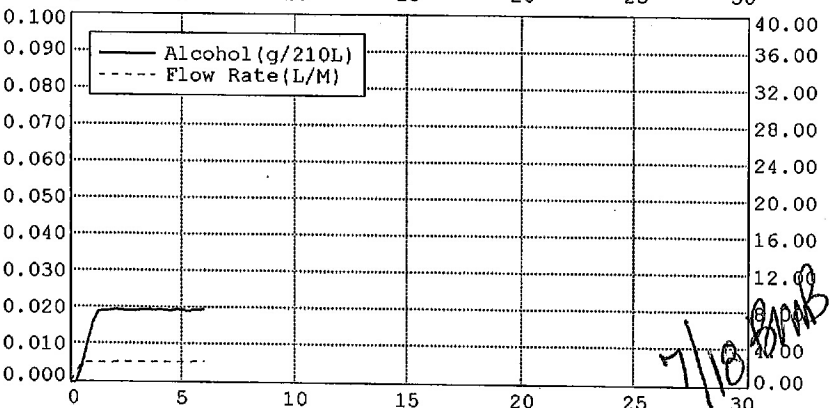
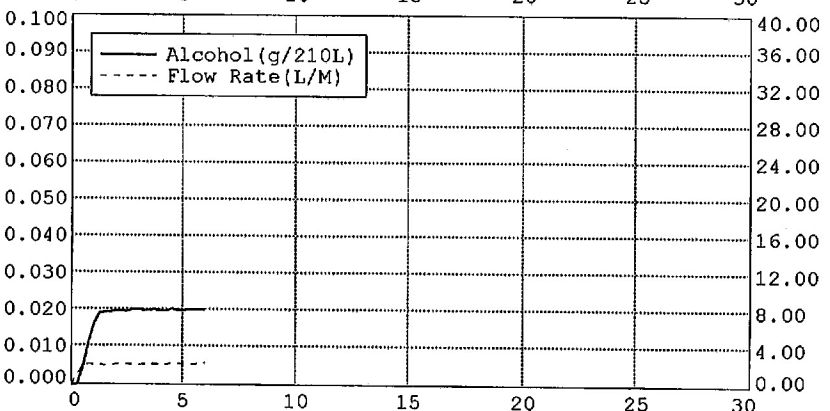
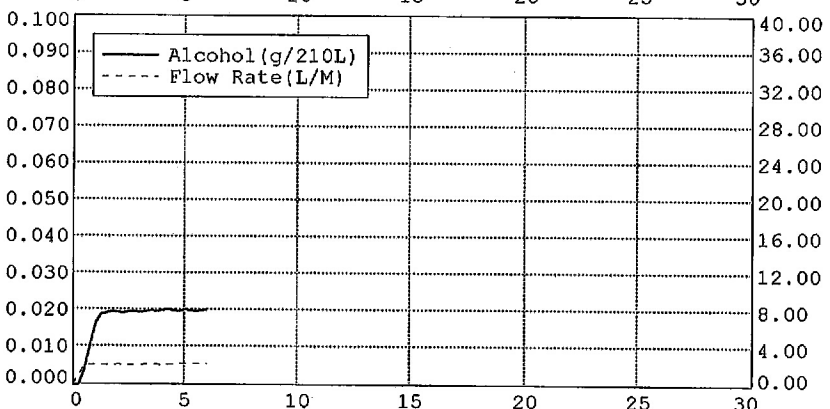
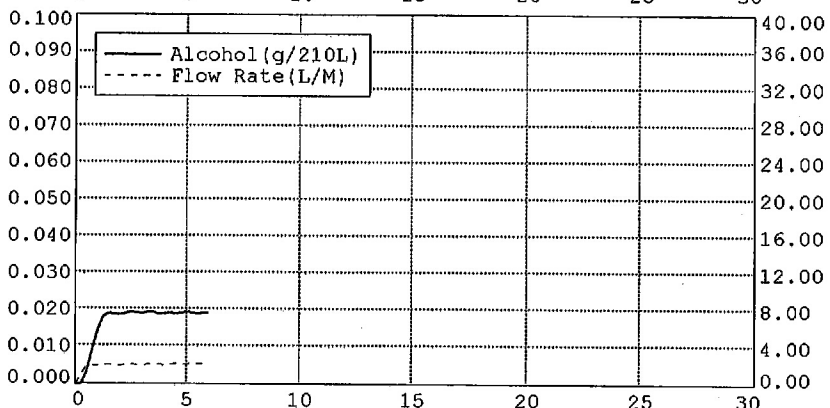
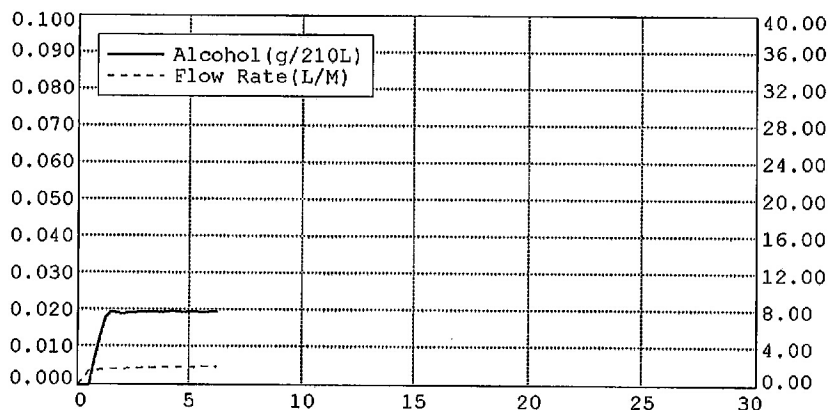
Date: 03/22/2012
Time: 02:37:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.91; 0.019
LOT #: 07611020A5
EXPIRATION: 03/01/2013

BLANK TEST	0.000	02:38
INTERNAL STANDARD	VERIFIED	02:38
EXTERNAL STANDARD	0.020	02:39
BLANK TEST	0.000	02:40
EXTERNAL STANDARD	0.020	02:40
BLANK TEST	0.000	02:41
EXTERNAL STANDARD	0.020	02:41
BLANK TEST	0.000	02:42
EXTERNAL STANDARD	0.021	02:42
BLANK TEST	0.000	02:43
EXTERNAL STANDARD	0.020	02:43
BLANK TEST	0.000	02:44

Average = 0.0206
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100349

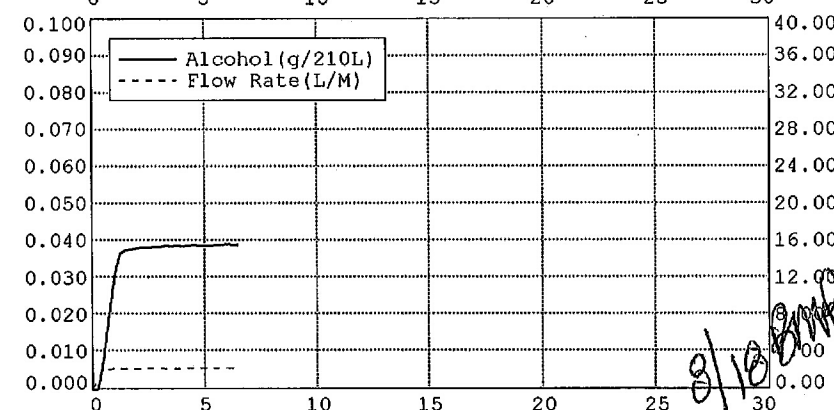
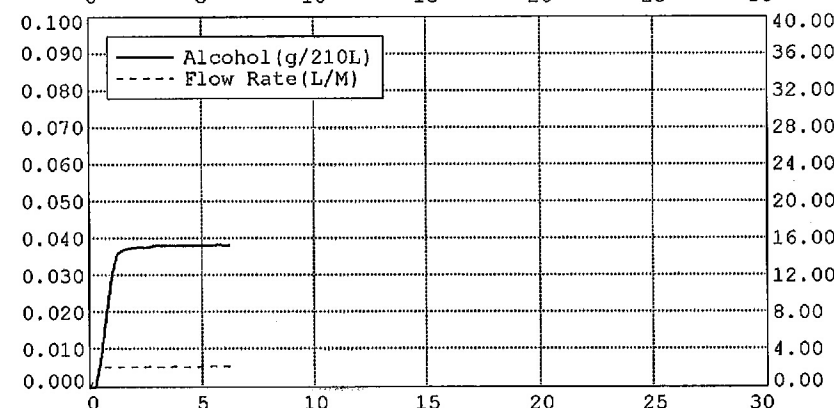
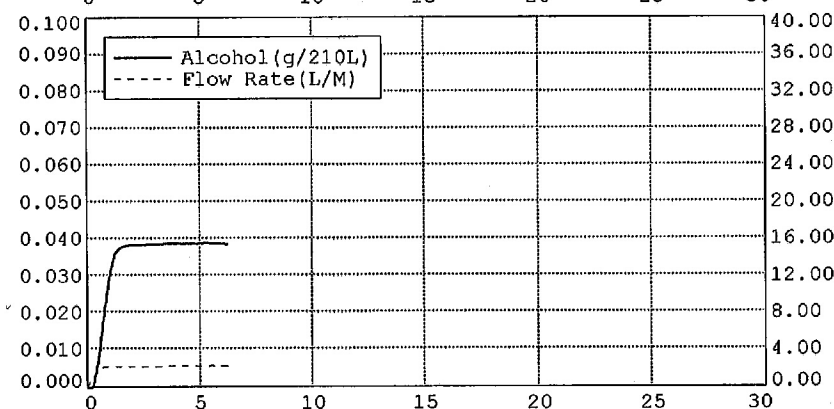
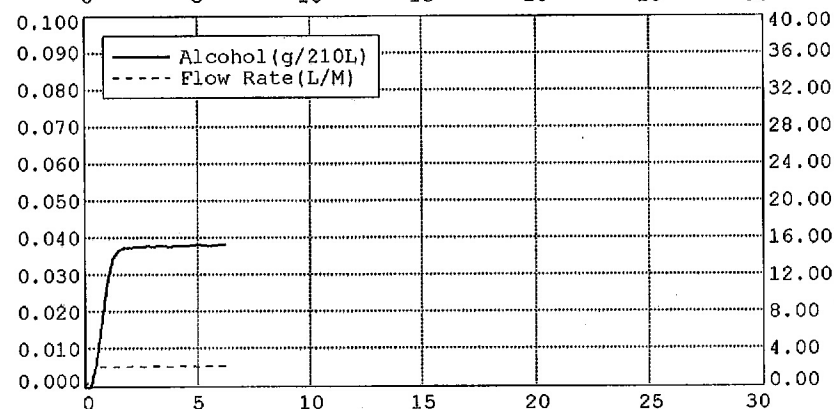
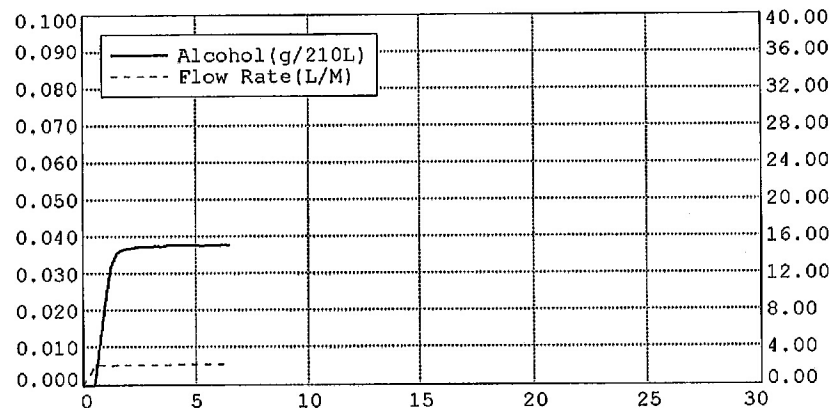
Date: 03/22/2012
Time: 02:49:22

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
TARGET AT 29.91: 0.039
LOT #: 02811040A2
EXPIRATION: 02/01/2013

BLANK TEST	0.000	02:51
INTERNAL STANDARD	VERIFIED	02:51
EXTERNAL STANDARD	0.038	02:52
BLANK TEST	0.000	02:52
EXTERNAL STANDARD	0.039	02:53
BLANK TEST	0.000	02:54
EXTERNAL STANDARD	0.039	02:54
BLANK TEST	0.000	02:55
EXTERNAL STANDARD	0.039	02:55
BLANK TEST	0.000	02:56
EXTERNAL STANDARD	0.039	02:56
BLANK TEST	0.000	02:57

Average = 0.0392
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100349

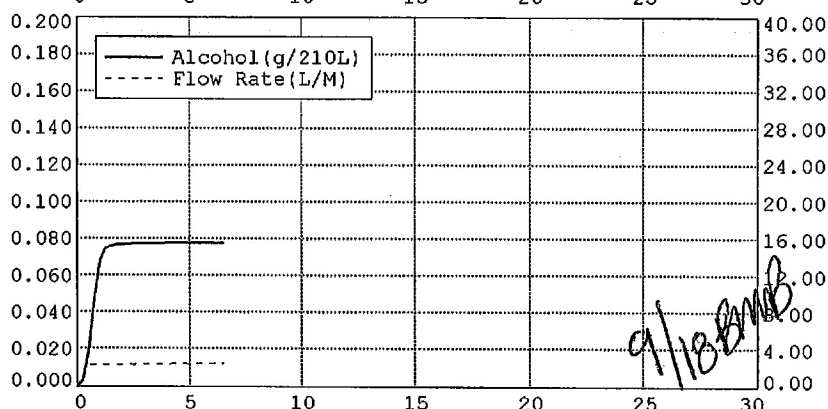
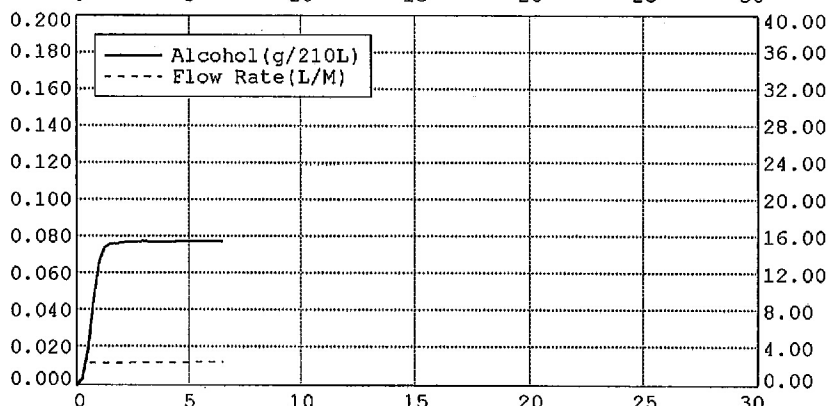
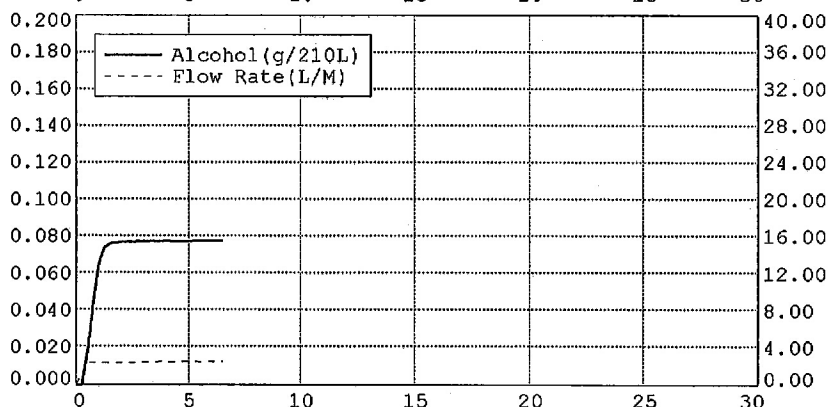
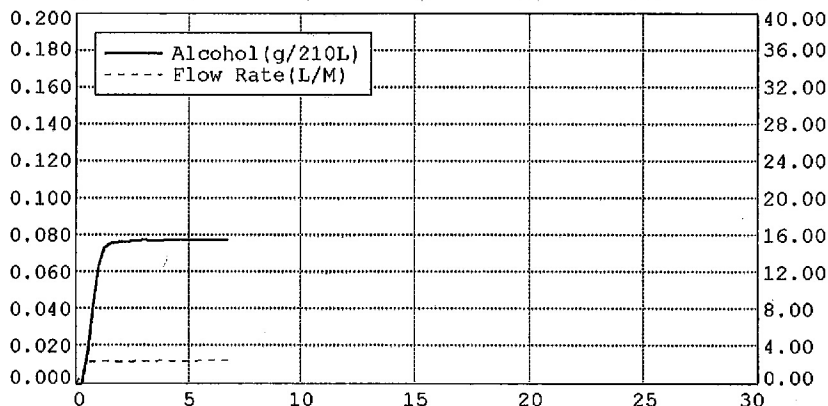
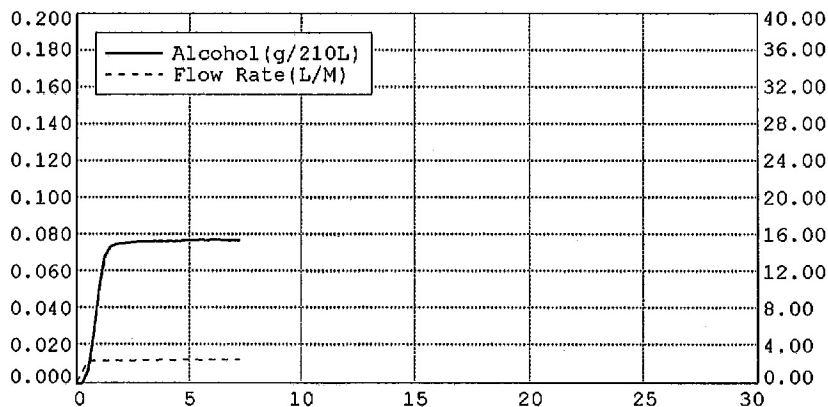
Date: 03/22/2012
Time: 03:06:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.91: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

BLANK TEST	0.000	03:08
INTERNAL STANDARD	VERIFIED	03:08
EXTERNAL STANDARD	0.077	03:08
BLANK TEST	0.000	03:09
EXTERNAL STANDARD	0.078	03:09
BLANK TEST	0.000	03:10
EXTERNAL STANDARD	0.078	03:10
BLANK TEST	0.000	03:11
EXTERNAL STANDARD	0.078	03:11
BLANK TEST	0.000	03:12
EXTERNAL STANDARD	0.078	03:13
BLANK TEST	0.000	03:14

Average = 0.0783
Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER dmt: 100349

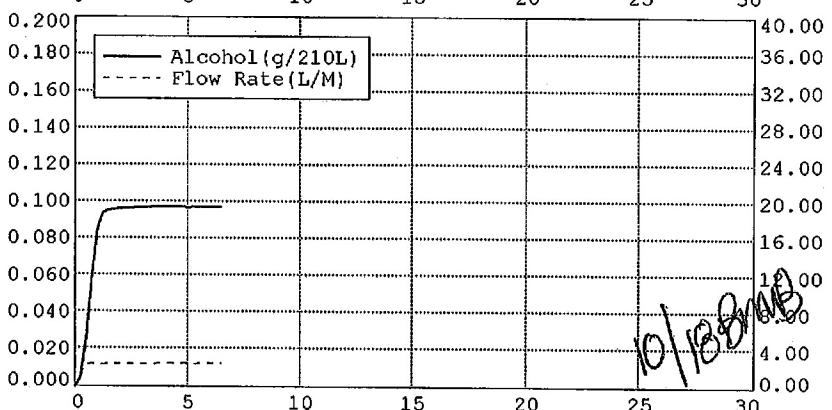
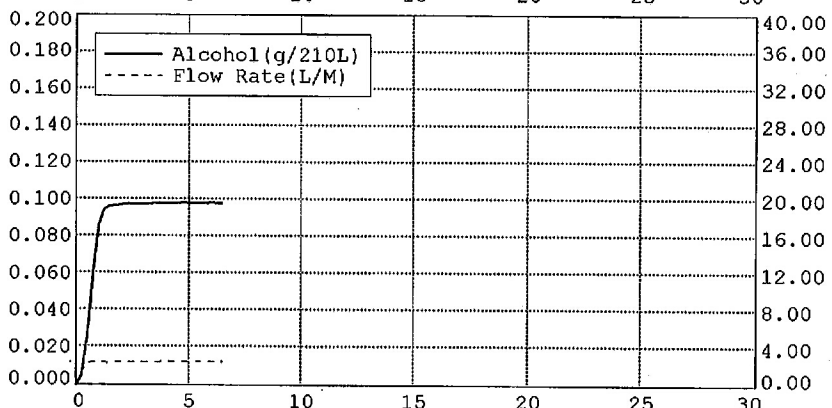
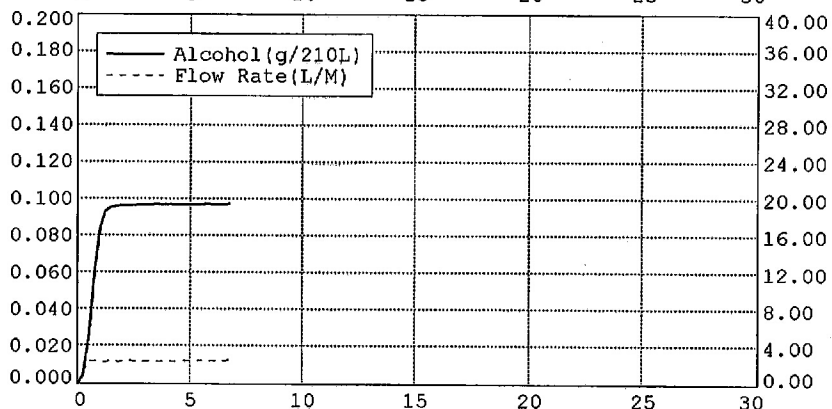
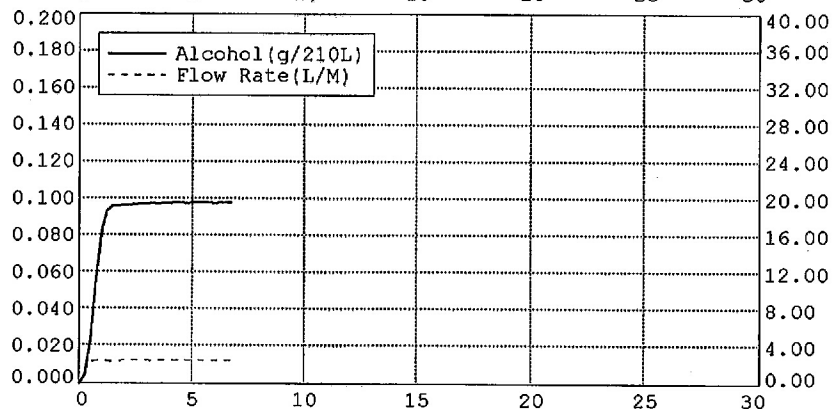
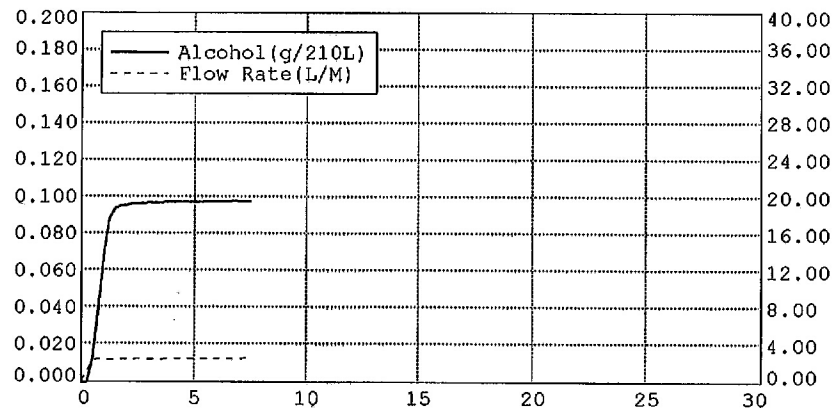
Date: 03/22/2012
Time: 03:23:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.91: 0.099
LOT #: 07611100A3
EXPIRATION: 03/01/2013

BLANK TEST	0.000	03:26
INTERNAL STANDARD	VERIFIED	03:26
EXTERNAL STANDARD	0.098	03:26
BLANK TEST	0.000	03:27
EXTERNAL STANDARD	0.098	03:27
BLANK TEST	0.000	03:28
EXTERNAL STANDARD	0.098	03:29
BLANK TEST	0.000	03:29
EXTERNAL STANDARD	0.098	03:30
BLANK TEST	0.000	03:31
EXTERNAL STANDARD	0.097	03:31
BLANK TEST	0.000	03:32

Average = 0.0982
Std Dev = 0.0002



LINEARITY CHECK: Control Test 5

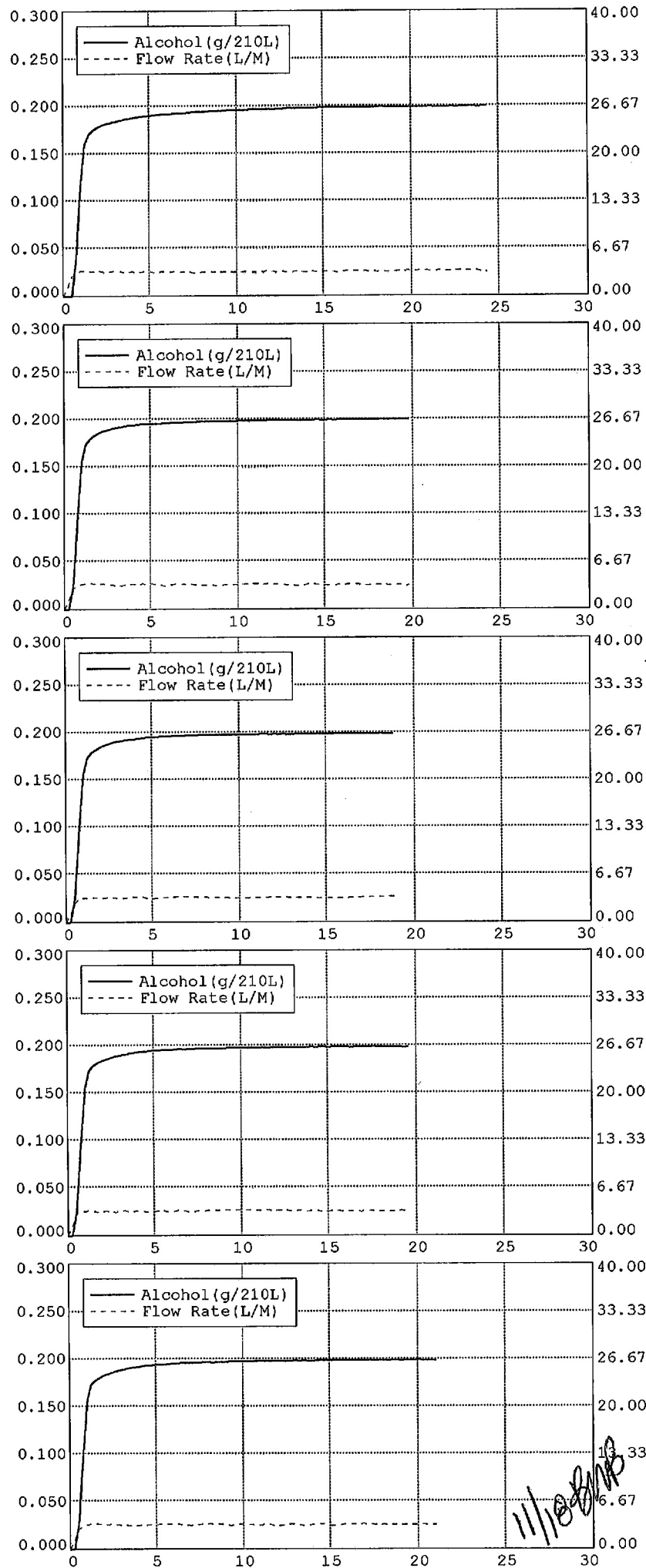
Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 03/22/2012
Time: 03:35:38

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.200
LOT #: 11120
EXPIRATION: 07/19/2013

BLANK TEST	0.000	03:37
INTERNAL STANDARD	VERIFIED	03:37
EXTERNAL STANDARD	0.200	03:37
BLANK TEST	0.000	03:38
EXTERNAL STANDARD	0.200	03:39
BLANK TEST	0.000	03:40
EXTERNAL STANDARD	0.199	03:40
BLANK TEST	0.000	03:41
EXTERNAL STANDARD	0.199	03:42
BLANK TEST	0.000	03:43
EXTERNAL STANDARD	0.199	03:43
BLANK TEST	0.000	03:44

Average = 0.1999
Std Dev = 0.0004



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 03/22/2012
Time: 03:47:46

EXTERNAL STANDARD INFORMATION

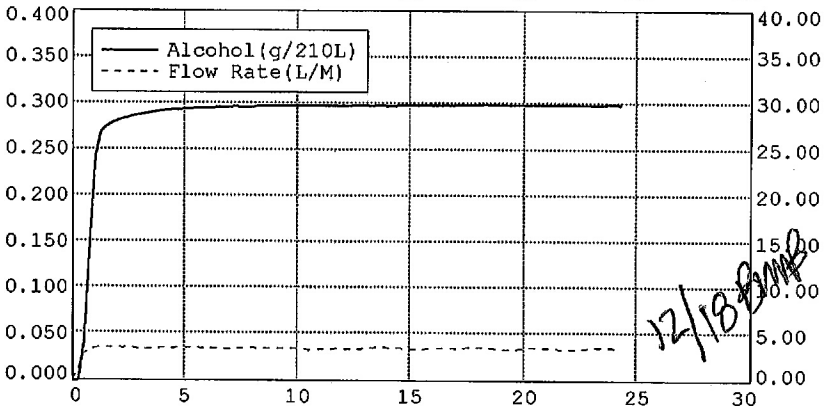
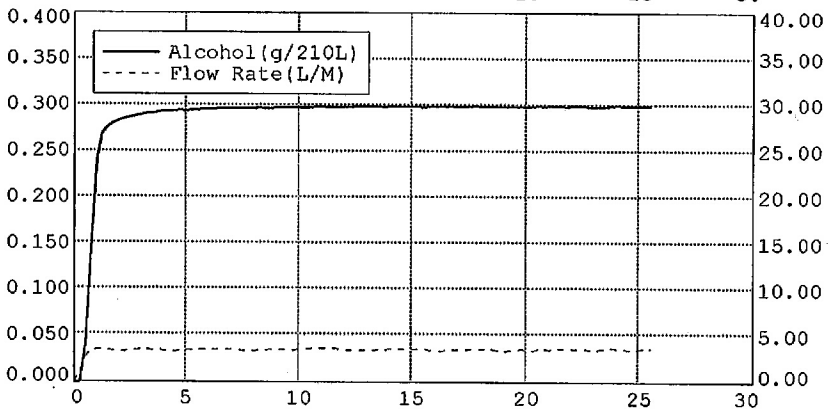
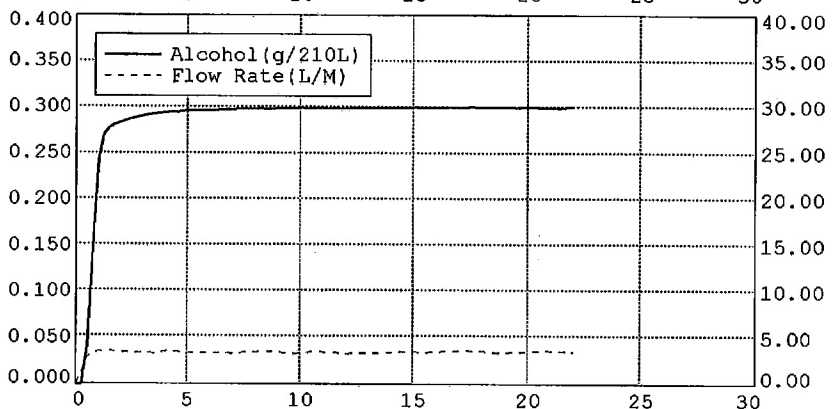
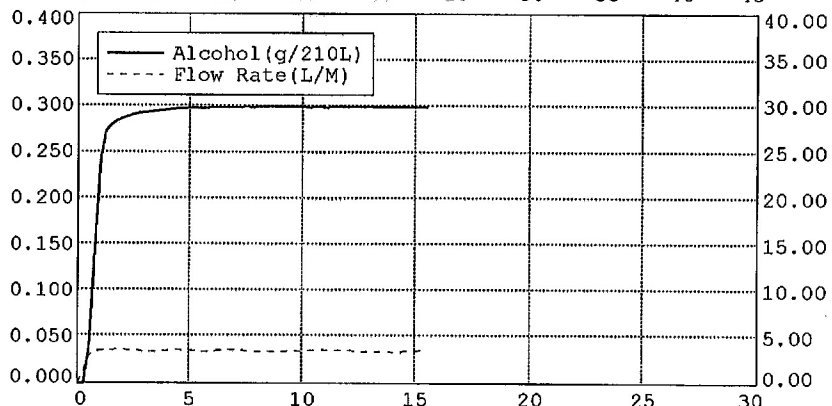
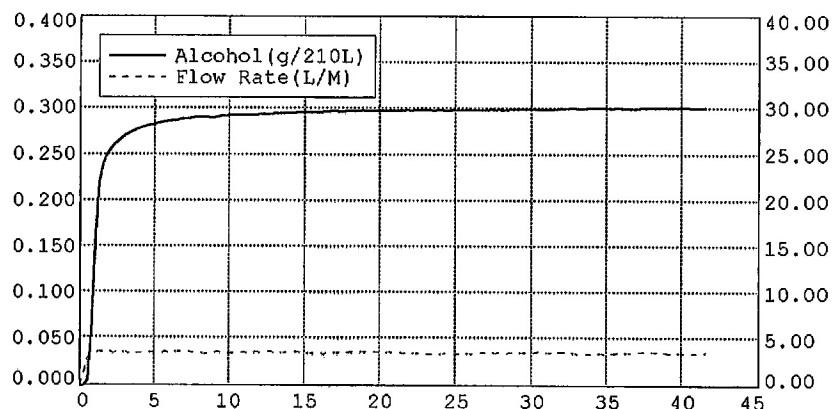
NOMINAL: 0.300

LOT #: 11110

EXPIRATION: 07/13/2013

BLANK TEST	0.000	03:48
INTERNAL STANDARD	VERIFIED	03:49
EXTERNAL STANDARD	0.301	03:49
BLANK TEST	0.000	03:50
EXTERNAL STANDARD	0.299	03:51
BLANK TEST	0.000	03:52
EXTERNAL STANDARD	0.300	03:52
BLANK TEST	0.000	03:53
EXTERNAL STANDARD	0.300	03:54
BLANK TEST	0.000	03:55
EXTERNAL STANDARD	0.299	03:55
BLANK TEST	0.000	03:56

Average = 0.3004
Std Dev = 0.0007



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 03/22/2012
Time: 11:09:57

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

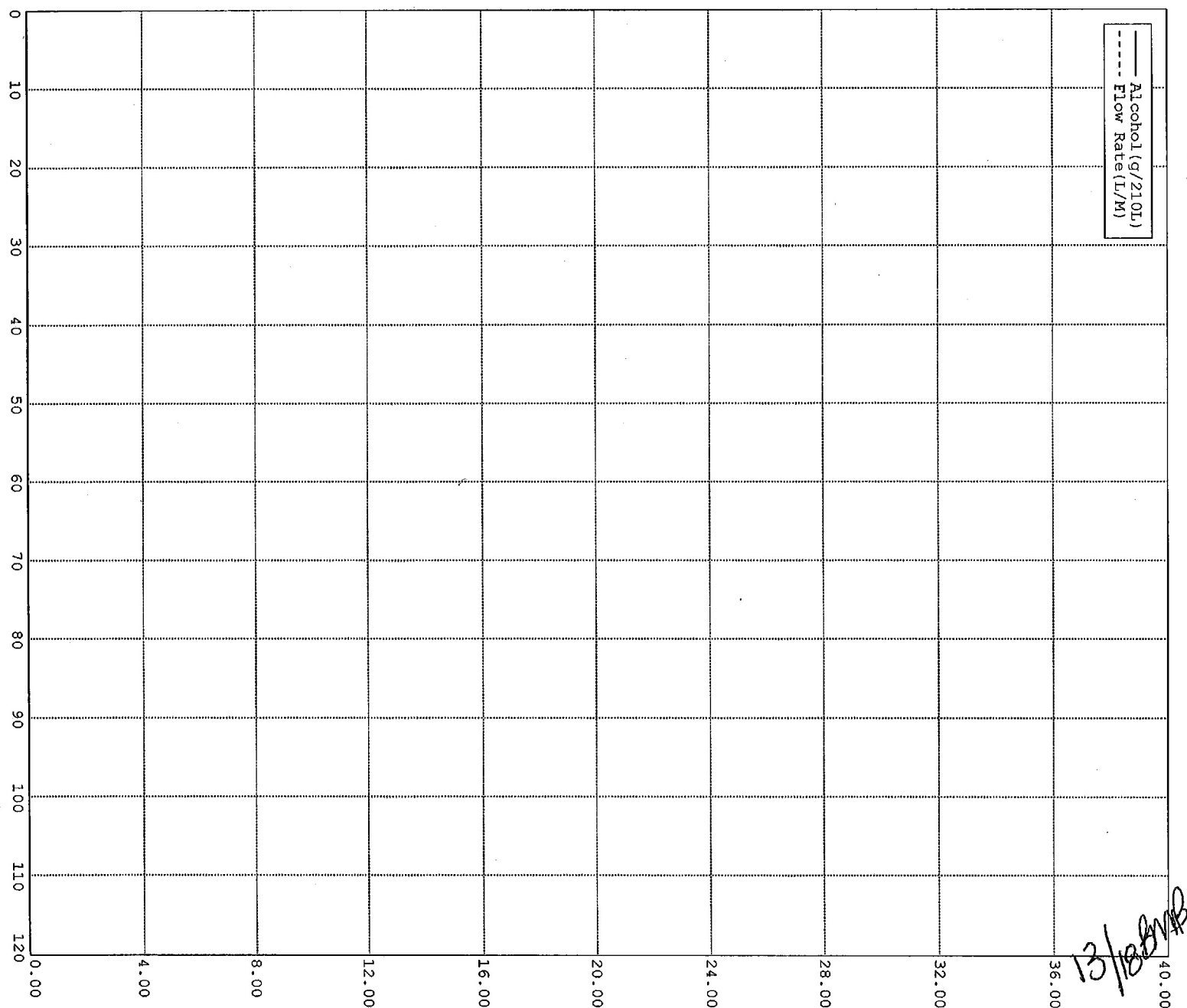
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.90: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	11:11
BLANK TEST	0.000	11:11
INTERNAL STANDARD	VERIFIED	11:11
EXTERNAL STANDARD	0.078	11:12
BLANK TEST	0.000	11:13
SUBJECT SAMPLE	INCOMPLETE	11:15

BRNF

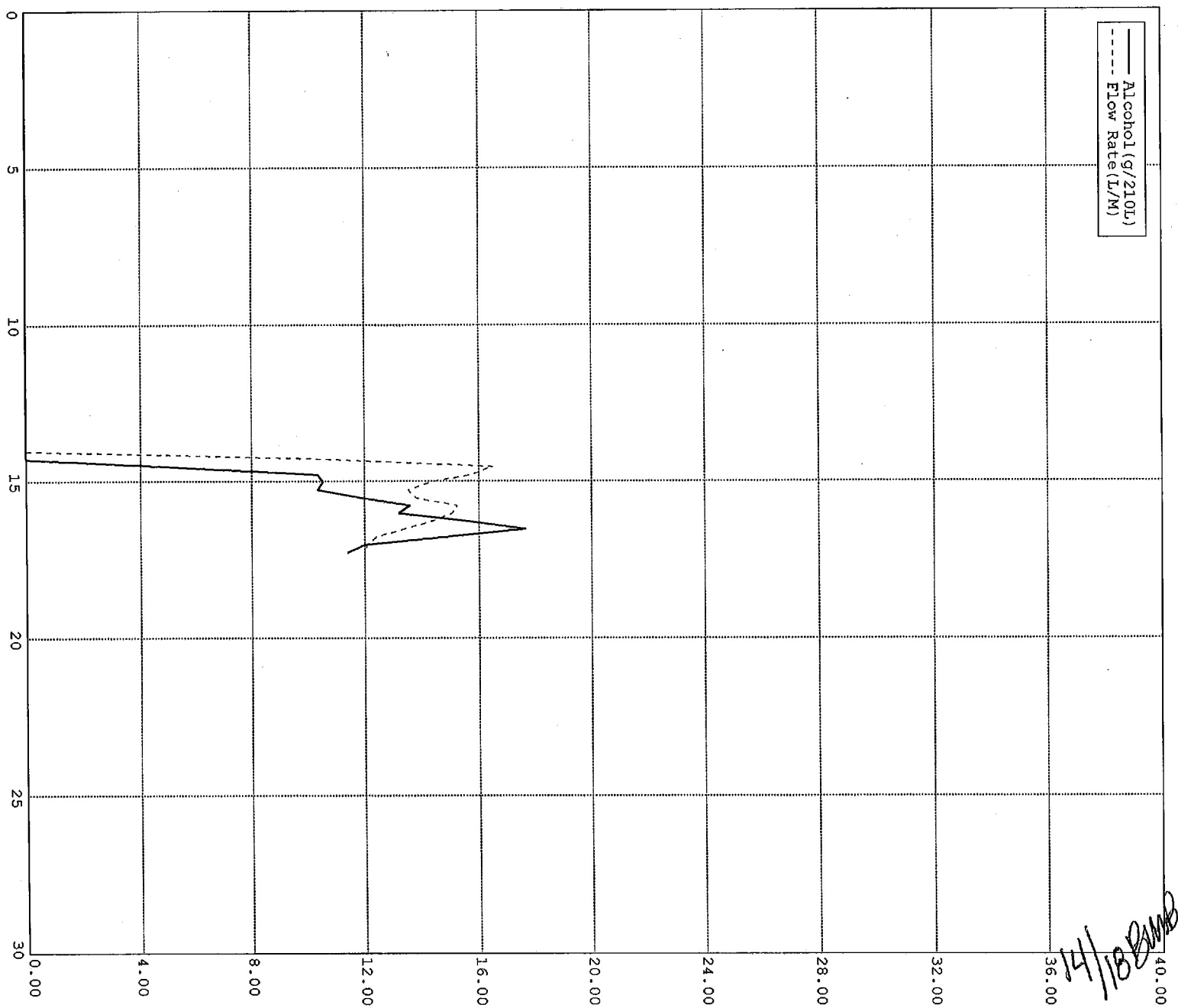


SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349Date: 03/22/2012
Time: 12:12:43SUBJECT NAME:
TEST TEST
LICENSE #: XXXXOPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038DEPT/AGENCY:
INVALID KNOWN MOUTH ALCOHOL
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.89: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	12:14
BLANK TEST	0.000	12:14
INTERNAL STANDARD	VERIFIED	12:14
EXTERNAL STANDARD	0.077	12:15
BLANK TEST	0.000	12:15
SUBJECT SAMPLE	INVALID	12:16

BMB

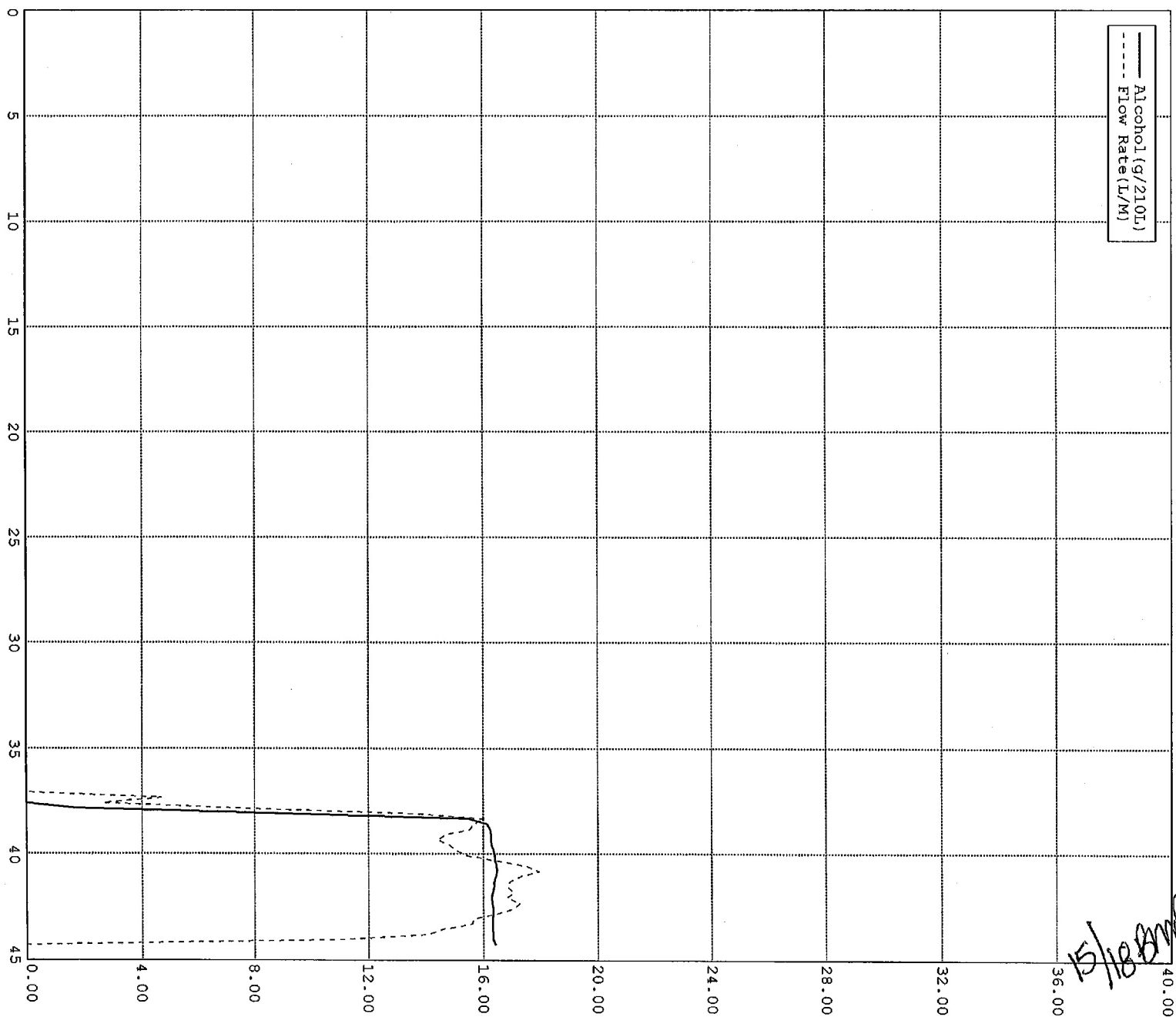


SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349Date: 03/22/2012
Time: 12:35:39SUBJECT NAME:
TEST TEST
LICENSE #: INTERFEREOPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038DEPT/AGENCY:
ACETONE AND ETOH
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.88: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	12:36
BLANK TEST	0.000	12:37
INTERNAL STANDARD	VERIFIED	12:37
EXTERNAL STANDARD	0.079	12:37
BLANK TEST	0.000	12:38
SUBJECT SAMPLE	INTERFERENCE	12:39

BMB

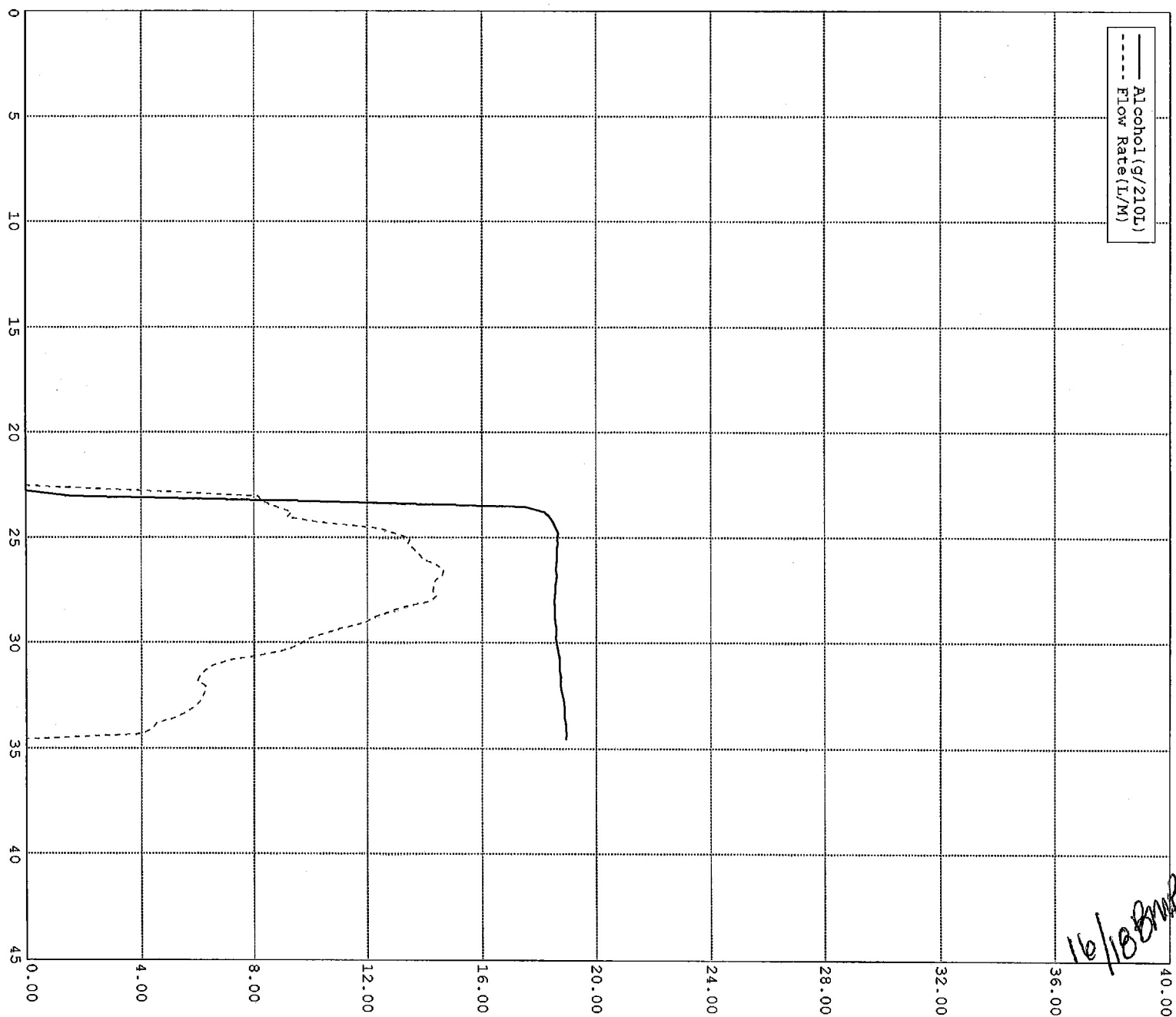


SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349Date: 03/22/2012
Time: 12:41:26SUBJECT NAME:
TEST TEST
LICENSE #: INTERFEREOPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038DEPT/AGENCY:
ISOPROPANOL AND ETOH
CASE/REPORT: XXXX
TEST TYPE: TESTEXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.88: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	12:42
BLANK TEST	0.000	12:43
INTERNAL STANDARD	VERIFIED	12:43
EXTERNAL STANDARD	0.078	12:43
BLANK TEST	0.000	12:44
SUBJECT SAMPLE	INTERFERENCE	12:45

BOMB



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 03/22/2012
Time: 12:20:20

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

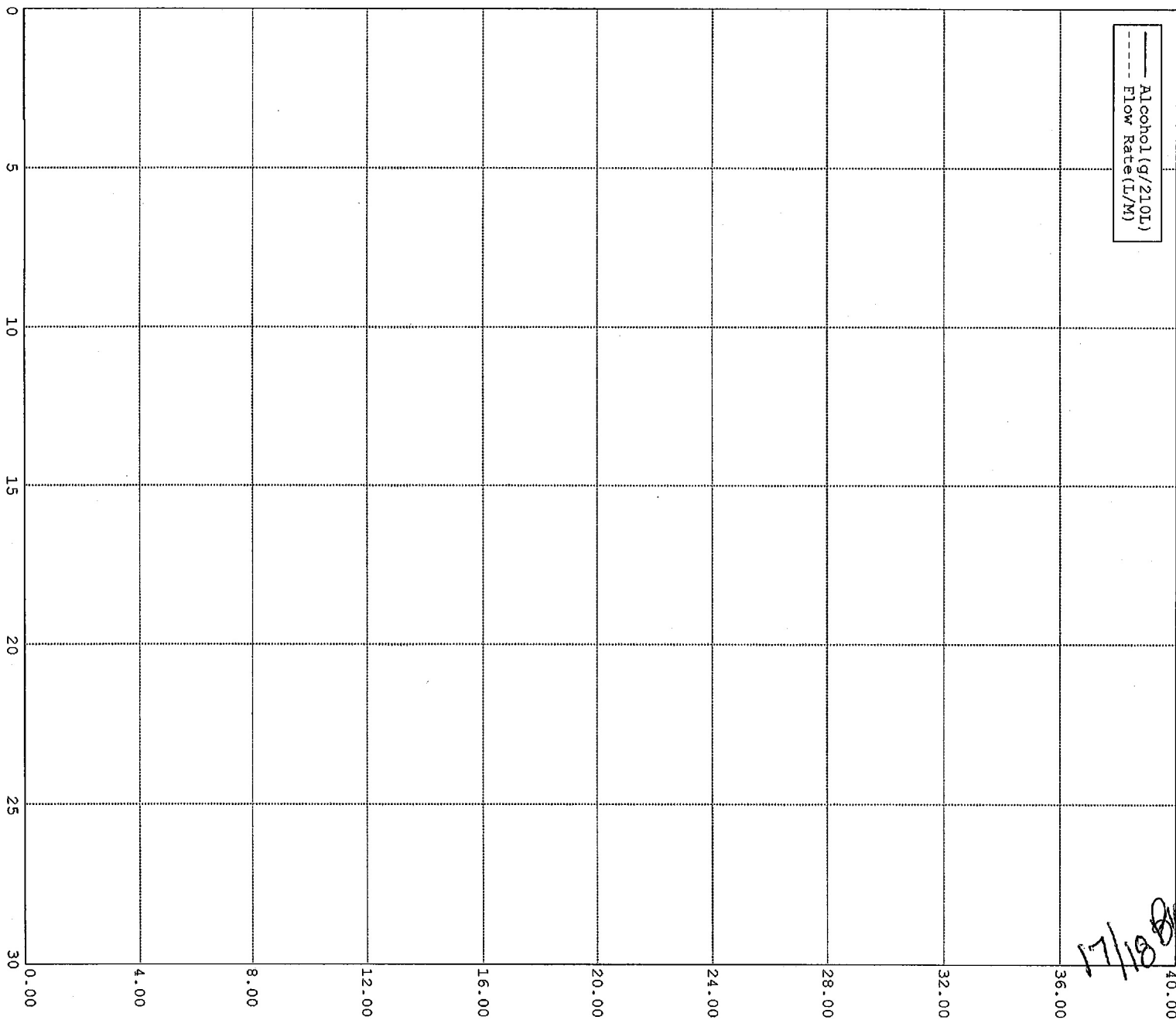
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.88: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
BLANK TEST PASSED 12:21
INTERNAL STANDARD VERIFIED 12:21
EXTERNAL STANDARD 0.078 12:21
BLANK TEST 0.000 12:22

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100349

Date: 03/22/2012
 Time: 13:08:42

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

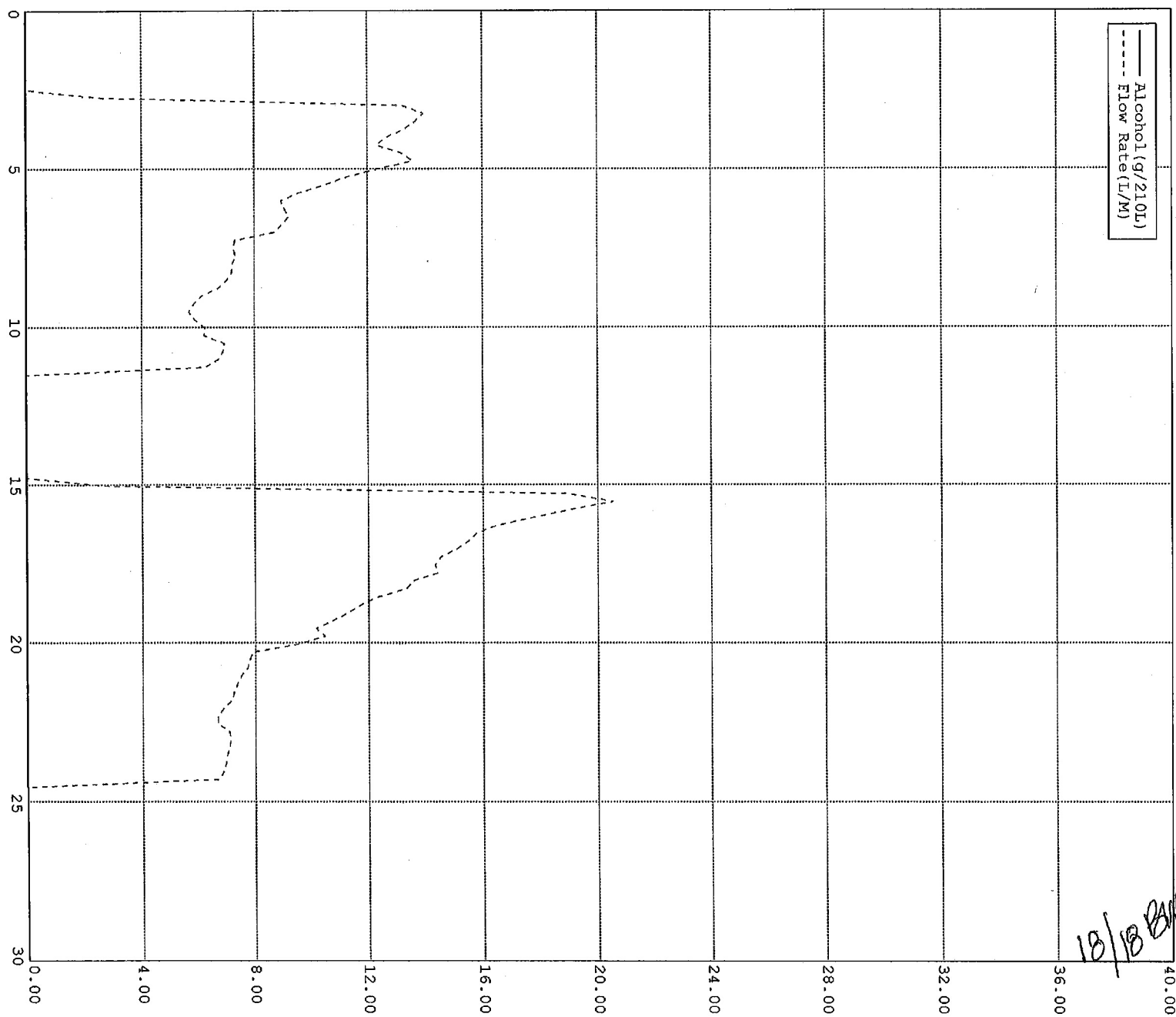
OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.87: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	13:09
BLANK TEST	0.000	13:10
INTERNAL STANDARD	VERIFIED	13:10
EXTERNAL STANDARD	0.078	13:10
BLANK TEST	0.000	13:11
SUBJECT SAMPLE	0.000	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.078	13:12
BLANK TEST	0.000	13:13

Brandi Barnett



18/18 Brandi Barnett