

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

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

Version: DMCEF2012 R0
Status: Active

Instrument S/N 100699

Analyst Brandl Barnett

Start Date 2/29/12

Software updated to 2.00 + USB Fixer BMB 2/29/12
Diagnostic Test (attached) Verified rear vented 3/2/12 BMB

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 1500 mL (1.3L to 1.7L)

4. Linearity Test (attached)

- a. Levels Used
 - i. 0.020g/210L Mnf ILMO Lot 07611020A5 Exp 03/01/2013
 - ii. 0.040g/210L Mnf ILMO Lot 07611040A4 Exp 03/01/2013
 - iii. 0.080g/210L Mnf ILMO Lot 07511080A1 Exp 03/01/2013
 - iv. 0.100g/210L Mnf ILMO Lot 0761100A3 Exp 03/01/2013
 - v. 0.200g/210L Mnf Guth Lot 1120 Exp 07/19/2013
 - 1. Simulator S/N SD1176 Date Calibrated 08/17/2011
 - vi. 0.300g/210L Mnf Guth Lot 1110 Exp 07/13/2013
 - 1. 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 10/11/13
 - 1. Simulator S/N SD1199 Date Calibrated 01/11/2012
 - ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/12
 - 1. Simulator S/N DR6267 Date Calibrated 01/10/12
- d. 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 N/A BMB

End Date 3/6/12

1/18/12 BMB

Alaska Department of Public Safety
DATAMASTER dmt: 100699

Date: 03/02/2012
Time: 12:36:50

VERSIONS

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

TEMPERATURES

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

PUMP INFO

Flow Rate = 4.614 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

2/18/12 BMB

DATA MASTER dnt: 100699

Date: 03/02/2012
Time: 12:45 PM

Temperatures (°C)

Sample Cell: 49.4°C
Breath Tube: 47.7°C

Current Barometer: 29.2 in
Volume (Ltr): 1.45

Settings

Lamp: 1.51 V
Bias: 80 V
Cooler: 1.46 V
Chopper: 547 Hz

Voltages (V)

Flow: 1.05 V
Detector: 0.444 V

3/8/12

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100699

Date: 11/02/2011
Time: 09:37:03

Ca	=	0.1000			
CAL	=	0.980238	0.800	<=	CAL < 1.200
b1	=	0.0011	0.0000	<=	b1 < 0.0040
b2	=	0.0052	0.0010	<=	b2 < 0.0100
b3	=	0.0003	0.0000	<=	b3 < 0.0040
Xq	=	0.0721	0.0500	<=	Xq < 0.2000
a21	=	1.170547	1.050	<=	a21 < 1.300
a31	=	0.426037	0.300	<=	a31 < 0.800

4/16/08 MB

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100699

Date: 03/02/2012
 Time: 12:51:09

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

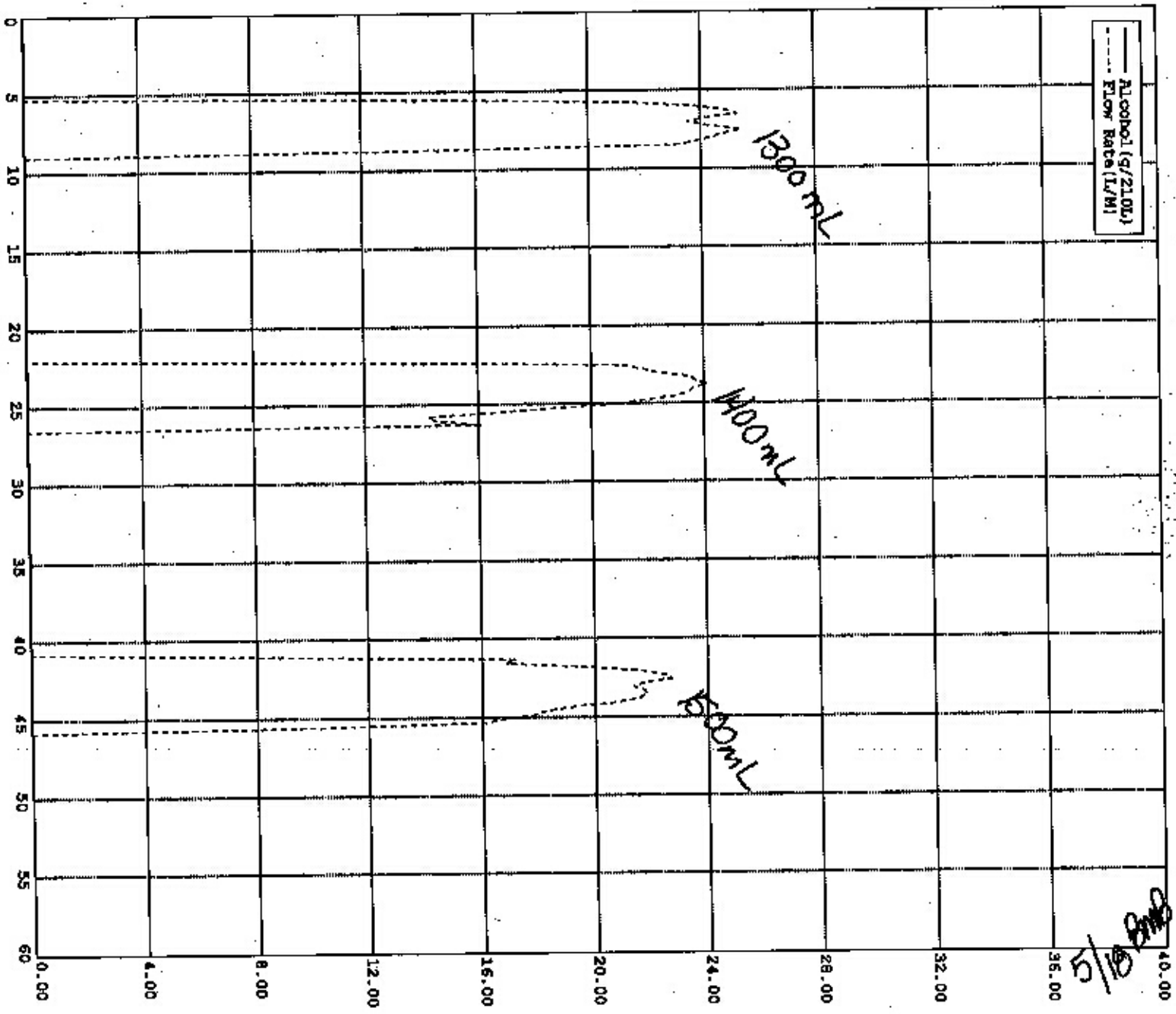
OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

DEPT/AGENCY:
 MINIMUM VOICED
 CASR/REPORT: KKKK
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.21: 0.078
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	12:52
BLANK TEST	0.000	12:52
INTERNAL STANDARD	VERIFIED	12:52
EXTERNAL STANDARD	0.079	12:53
BLANK TEST	0.000	12:54
SUBJECT SAMPLE	0.000	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.078	12:56
BLANK TEST	0.000	12:56

BBMB



LINERITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100699

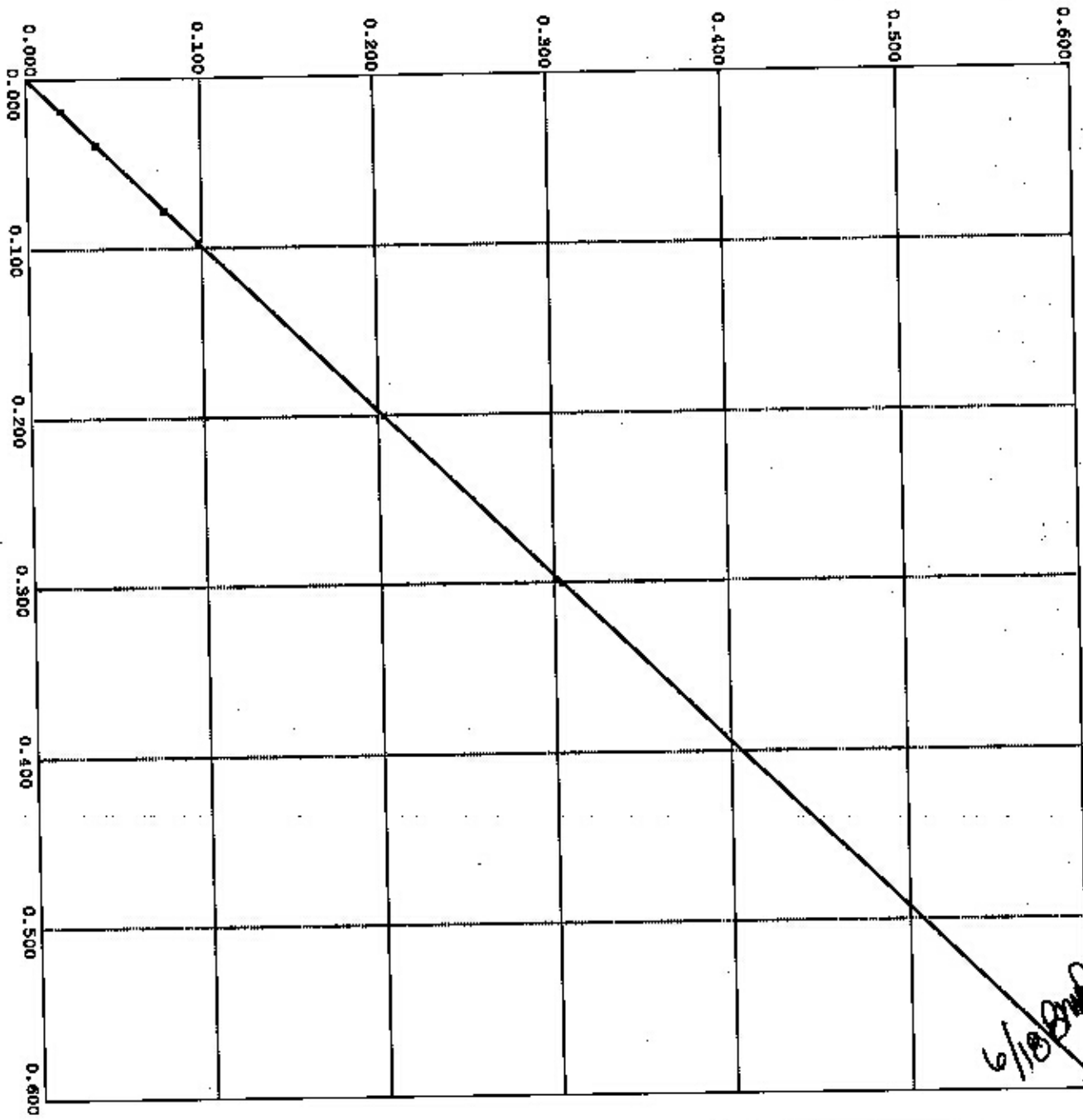
Date: 03/02/2012
 Time: 13:02:12

SUPERVISOR NAME:
 BRANDI BARRETT
 OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.019	0.0208	0.0003
0.039	0.0402	0.0001
0.078	0.0791	0.0003
0.097	0.0987	0.0002
0.200	0.2041	0.0006
0.300	0.3056	0.0004

SLOPE = 1.016235
 R² = 0.999972

BRMB



Alaska Department of Public Safety
 DATAMASTER dnt: 100699

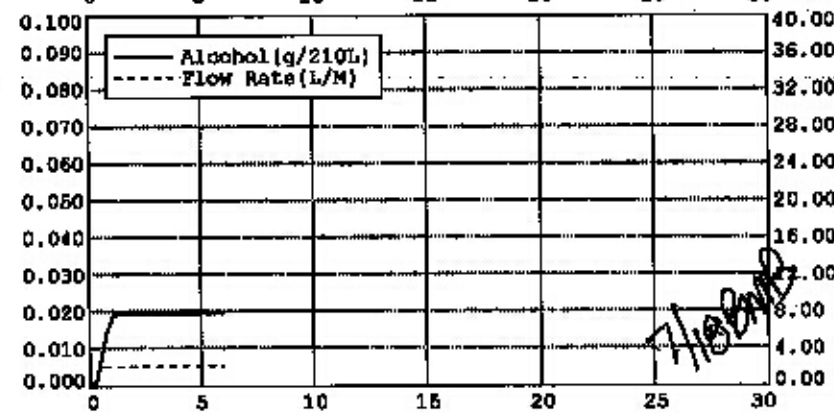
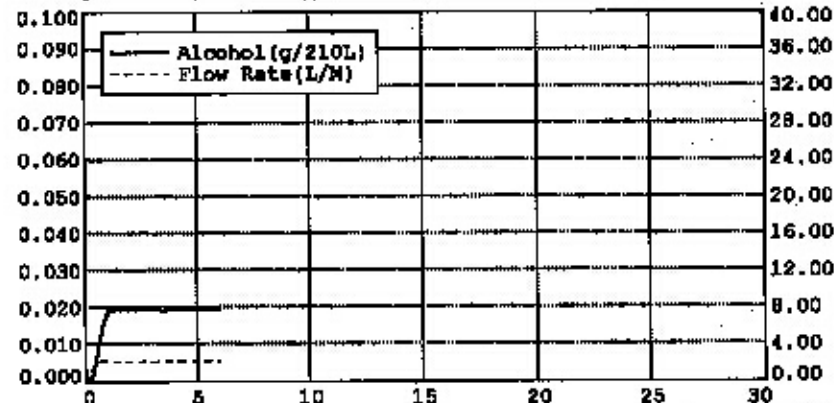
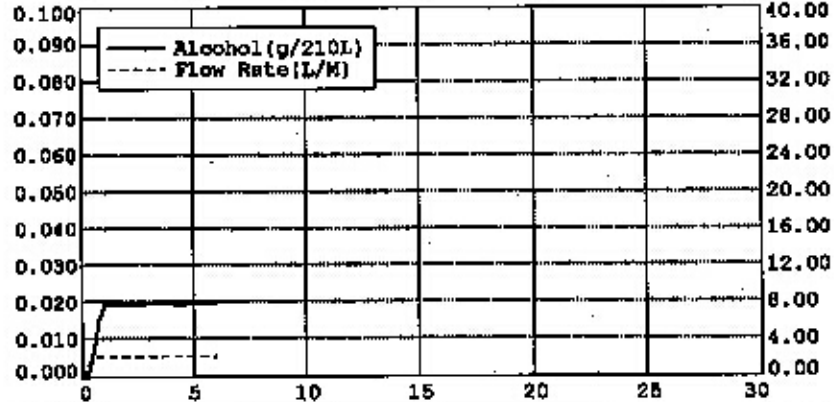
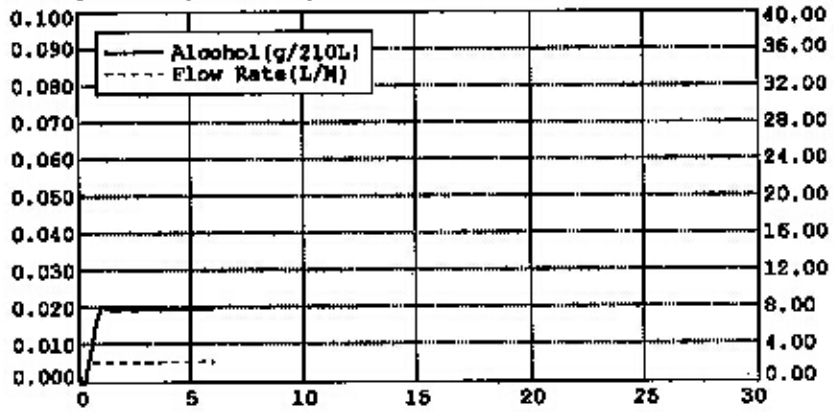
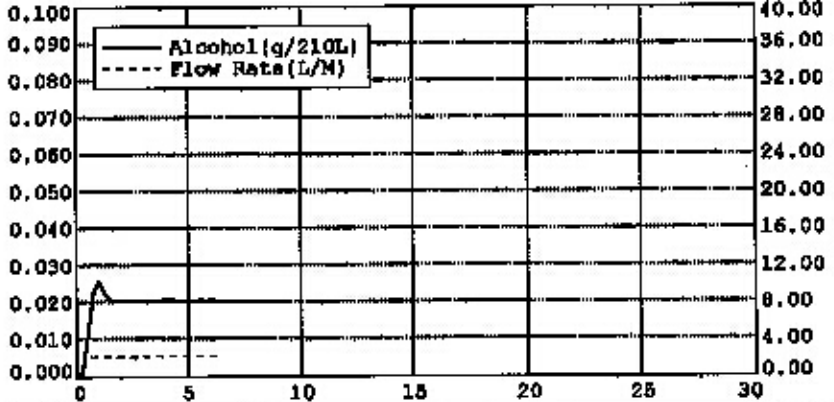
Date: 03/02/2012
 Time: 13:02:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.22: 0.019
 LOT #: 07611020A5
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:03
INTERNAL STANDARD	VERIFIED	13:03
EXTERNAL STANDARD	0.021	13:03
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.020	13:04
BLANK TEST	0.000	13:05
EXTERNAL STANDARD	0.020	13:05
BLANK TEST	0.000	13:06
EXTERNAL STANDARD	0.020	13:06
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.020	13:08
BLANK TEST	0.000	13:08

Average = 0.0208
 Std Dev = 0.0003



Alaska Department of Public Safety
DATAMASTER dml: 100699

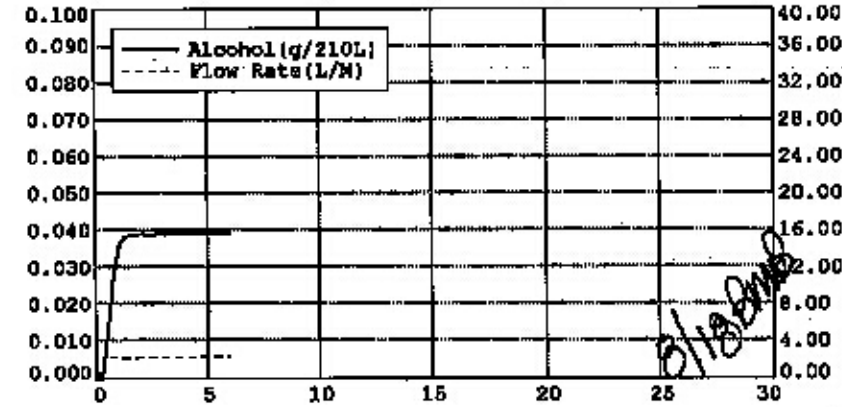
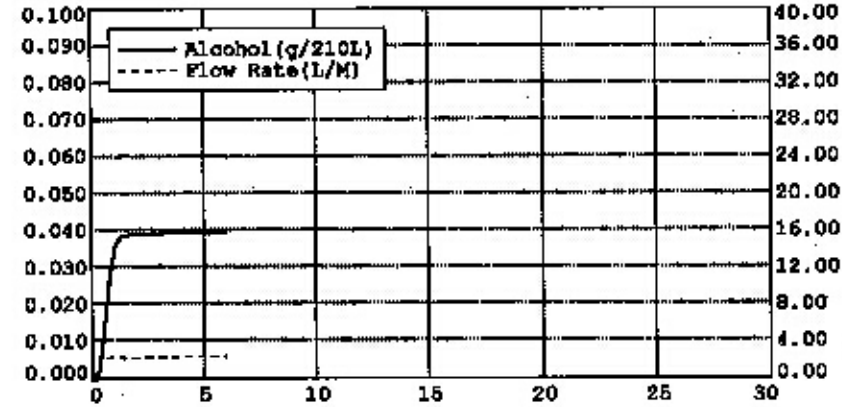
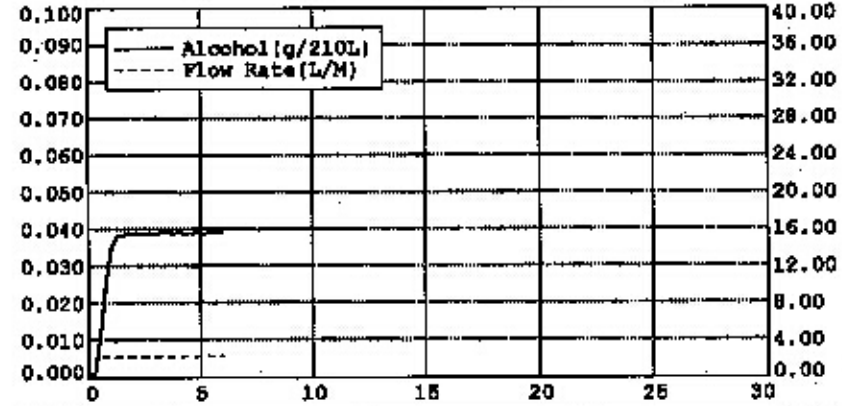
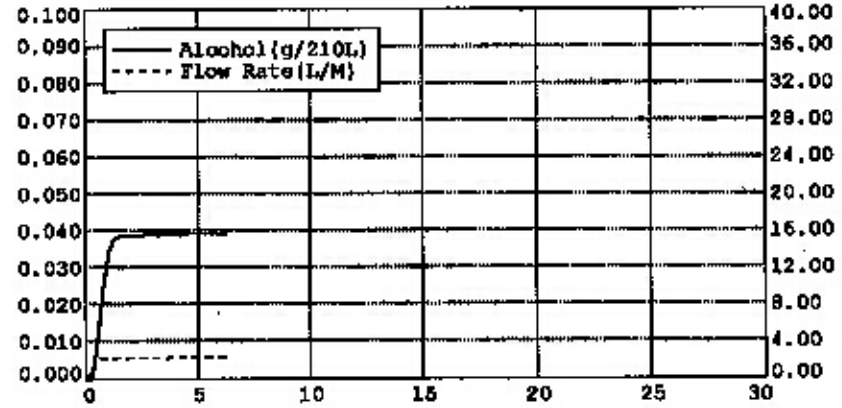
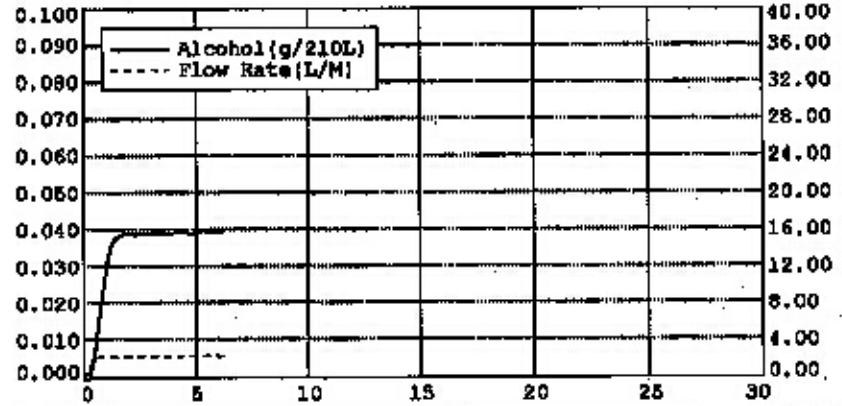
Date: 03/02/2012
Time: 13:15:28

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	13:17
INTERNAL STANDARD	VERIFIED	13:17
EXTERNAL STANDARD	0.040	13:17
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.040	13:18
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.040	13:19
BLANK TEST	0.000	13:20
EXTERNAL STANDARD	0.040	13:21
BLANK TEST	0.000	13:21
EXTERNAL STANDARD	0.040	13:22
BLANK TEST	0.000	13:23

Average = 0.0402
Std Dev = 0.0001



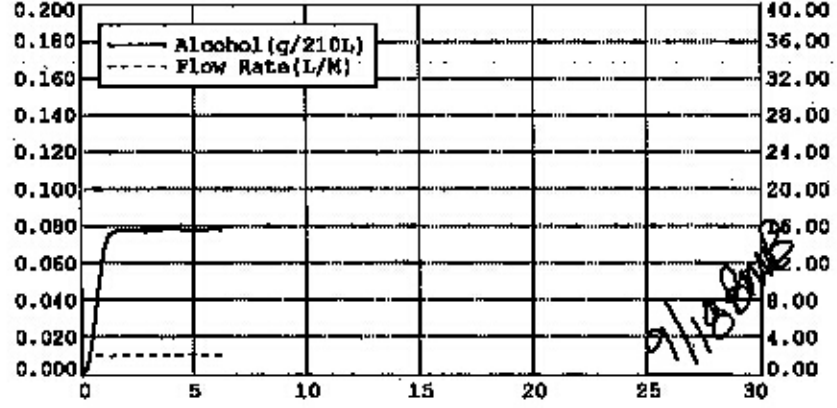
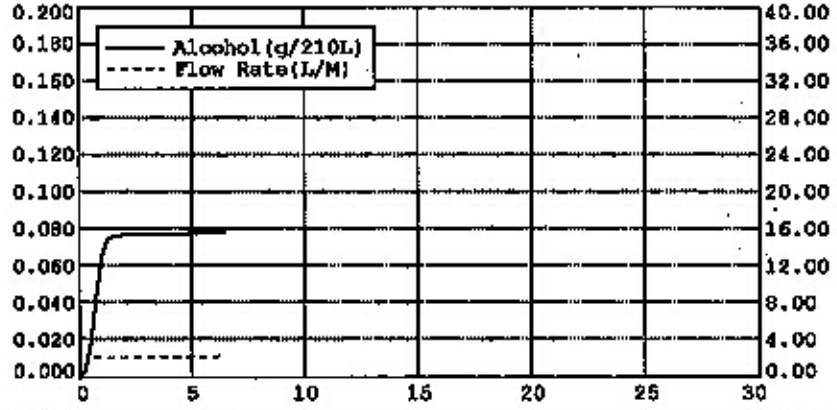
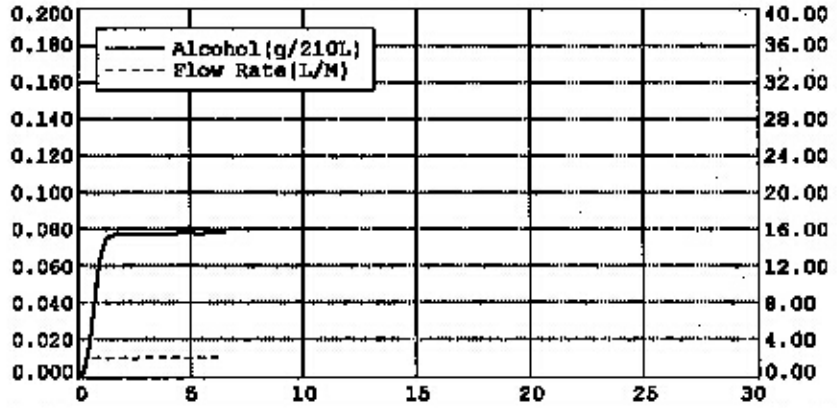
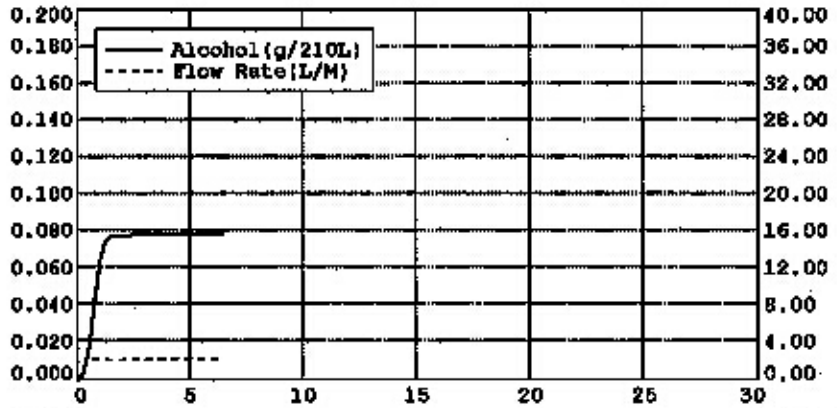
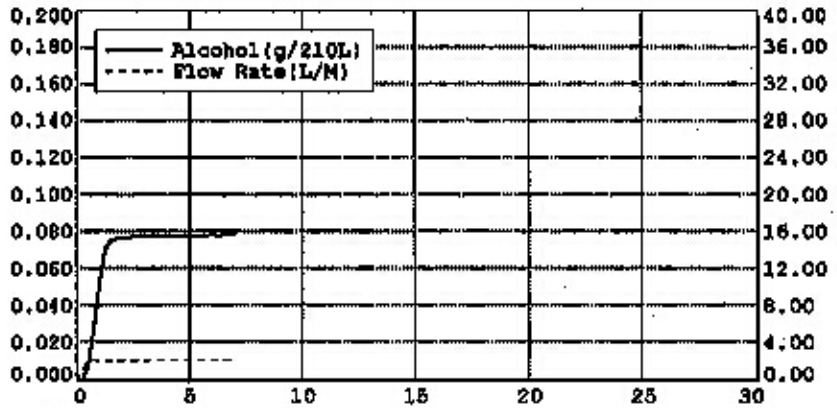
Alaska Department of Public Safety
 DATAMASTER dnt: 100699

Date: 03/02/2012
 Time: 13:25:45

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.22: 0.078
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:27
INTERNAL STANDARD	VERIFIED	13:27
EXTERNAL STANDARD	0.079	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.079	13:28
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.079	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.078	13:30
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.079	13:31
BLANK TEST	0.000	13:32

Average = 0.0791
 Std Dev = 0.0003



Alaska Department of Public Safety
DATAMASTER dnt: 100699

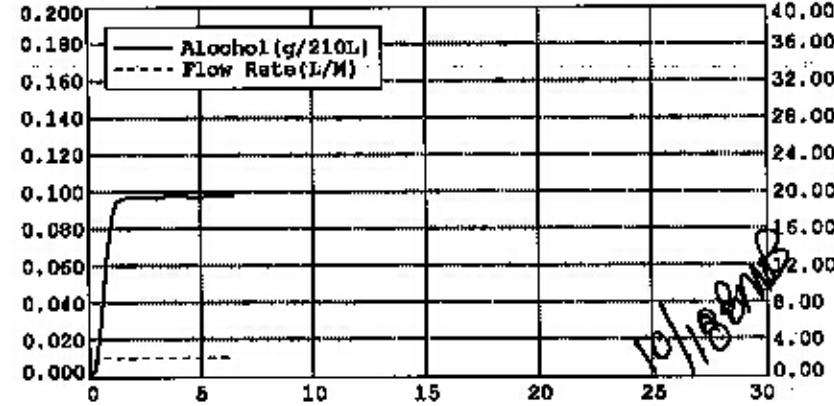
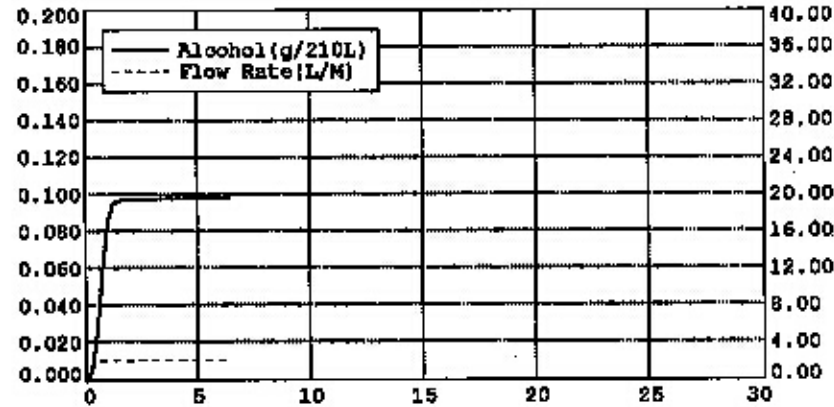
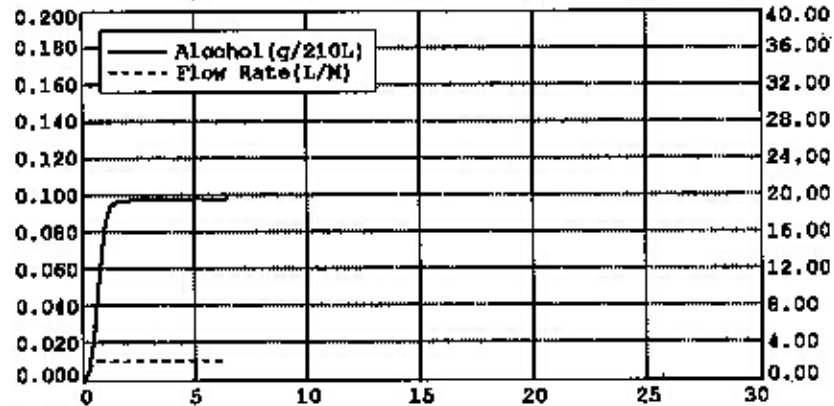
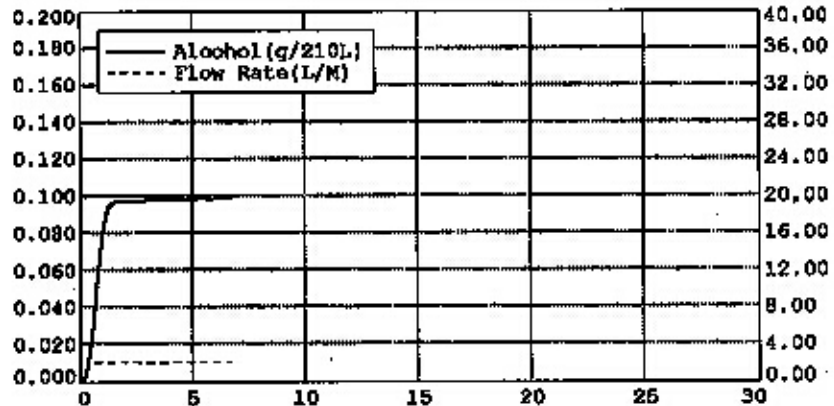
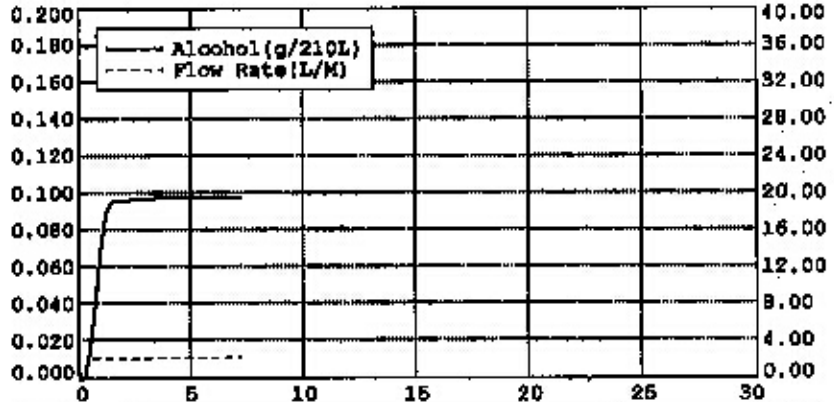
Date: 03/02/2012
Time: 13:37:44

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	13:39
INTERNAL STANDARD	VERIFIED	13:39
EXTERNAL STANDARD	0.098	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.098	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.098	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.098	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.098	13:43
BLANK TEST	0.000	13:44

Average = 0.0987
Std Dev = 0.0002



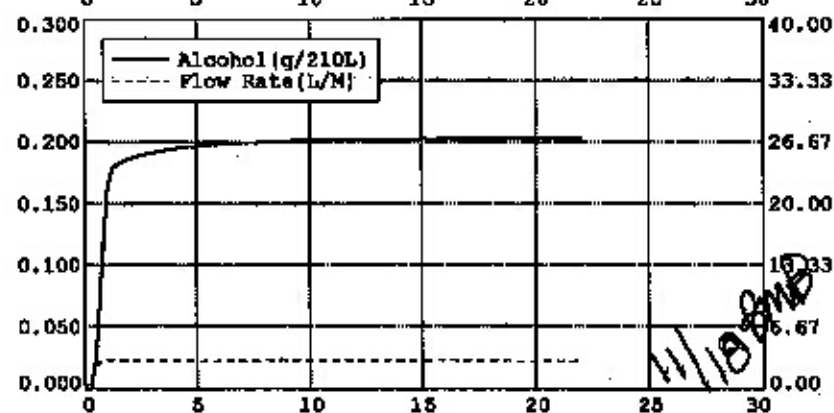
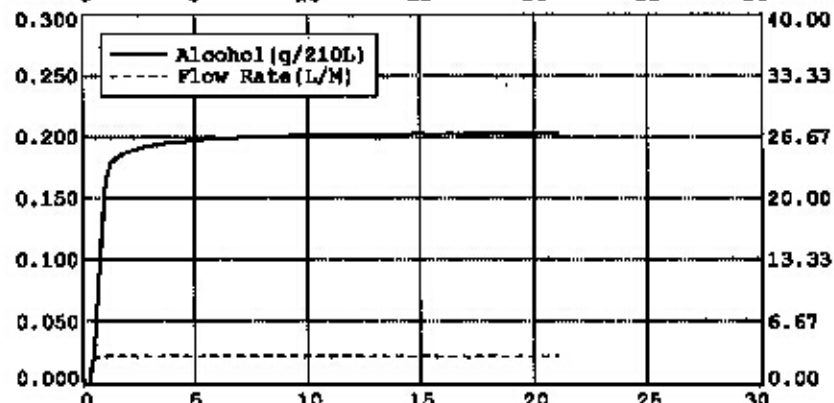
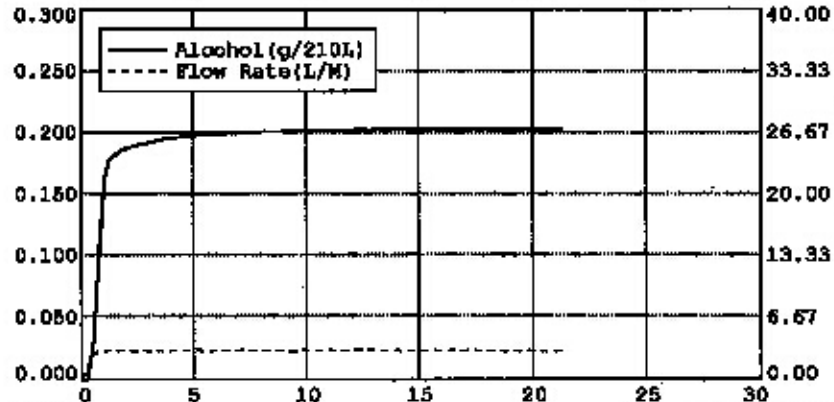
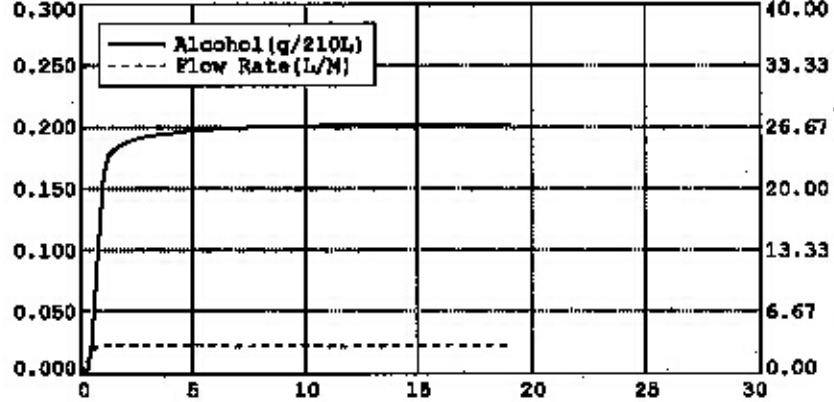
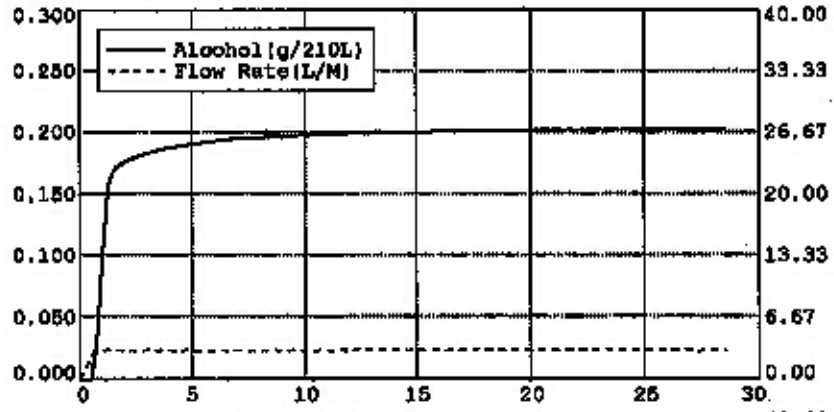
Alaska Department of Public Safety
DATAMASTER dmt: 100699

Date: 03/02/2012
Time: 13:47:31

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

BLANK TEST	0.000	13:48
INTERNAL STANDARD	VERIFIED	13:48
EXTERNAL STANDARD	0.203	13:49
BLANK TEST	0.000	13:50
EXTERNAL STANDARD	0.203	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.204	13:52
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.204	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.204	13:54
BLANK TEST	0.000	13:55

Average = 0.2041
Std Dev = 0.0006



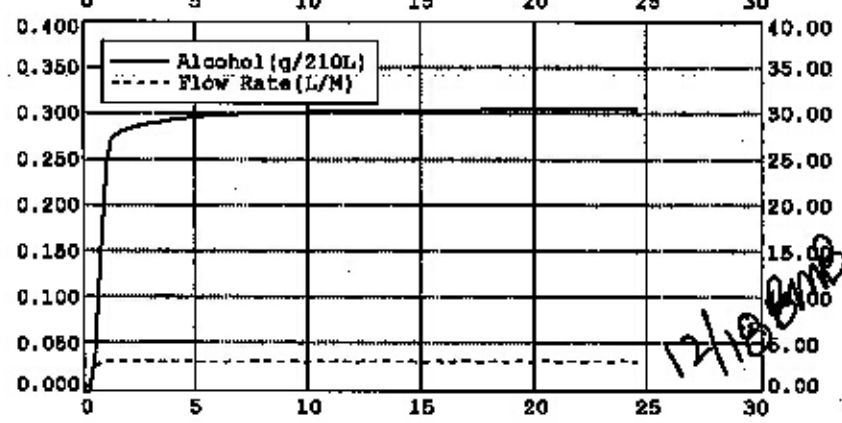
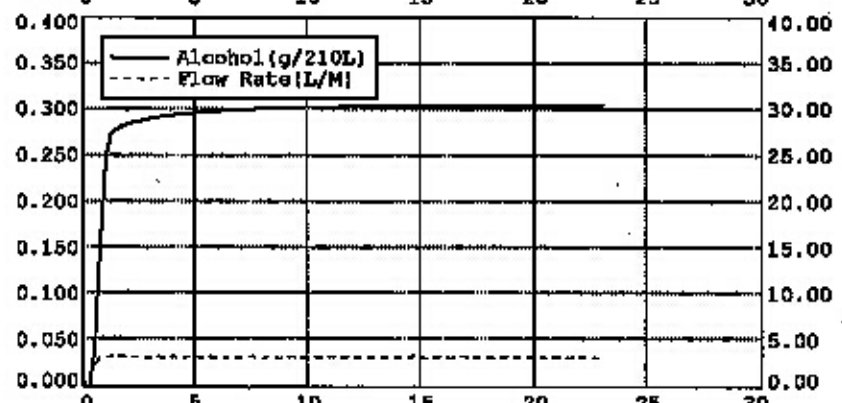
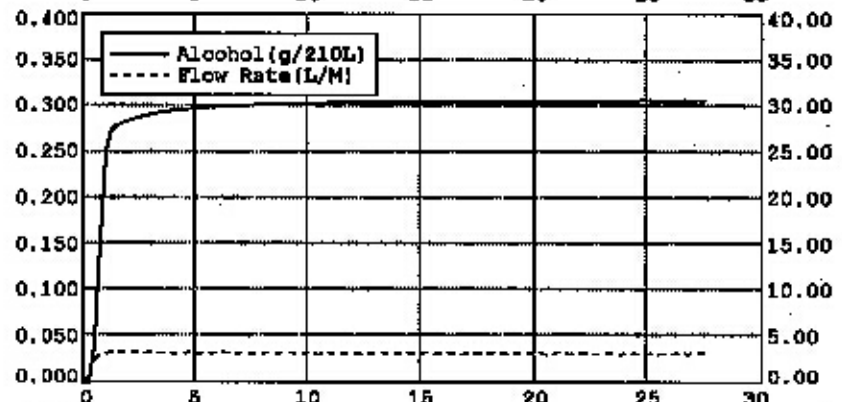
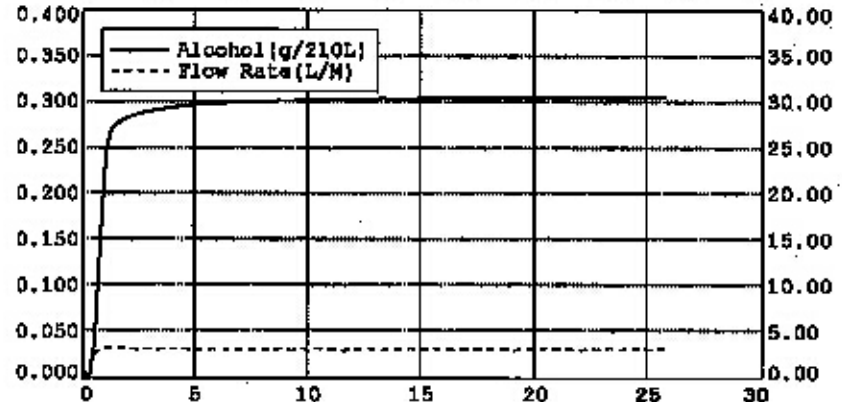
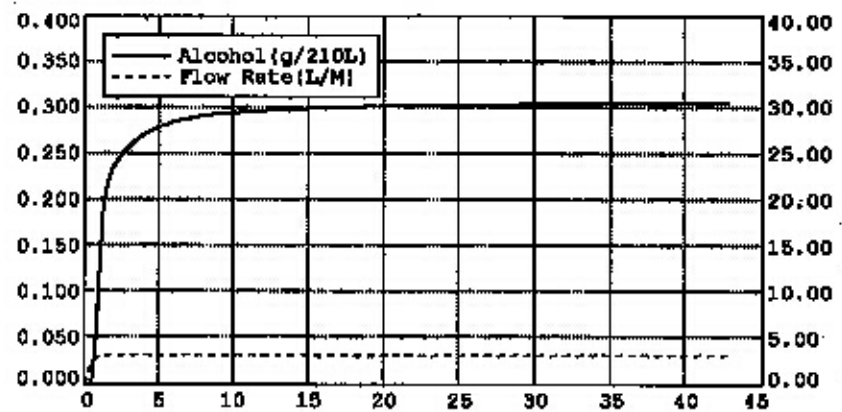
Alaska Department of Public Safety
 DATAMASTER dmt: 100699

Date: 03/02/2012
 Time: 14:00:37

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: 11110
 EXPIRATION: 07/13/2013

BLANK TEST	0.000	14:01
INTERNAL STANDARD	VERIFIED	14:01
EXTERNAL STANDARD	0.305	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.305	14:04
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.306	14:05
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.305	14:07
BLANK TEST	0.000	14:08
EXTERNAL STANDARD	0.305	14:08
BLANK TEST	0.000	14:09

Average = 0.3056
 Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
 DATAENTER GWT: 100699

Date: 03/05/2012
 Time: 12:49:14

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

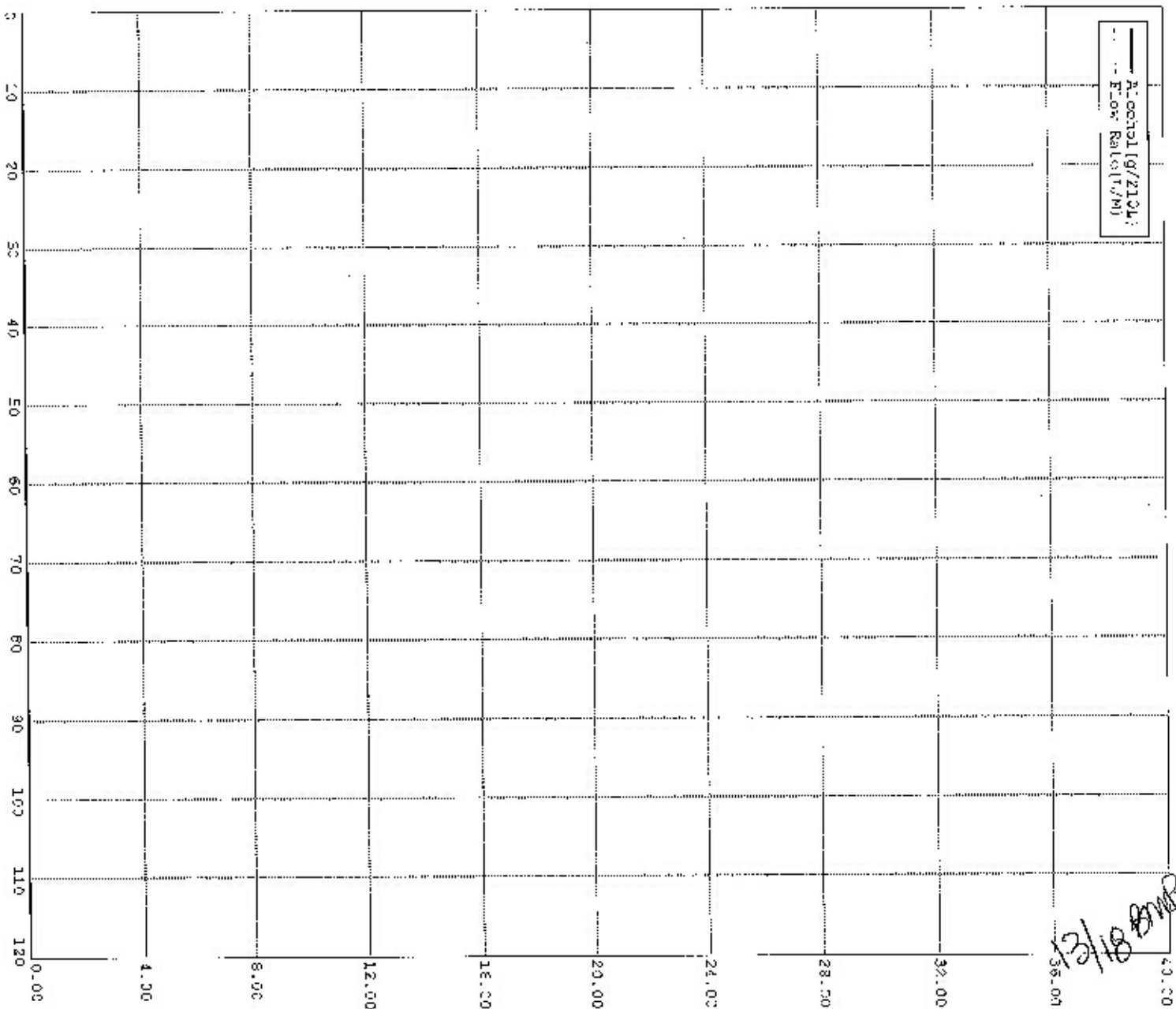
OPERATOR NAME:
 BRANDI BARRETT
 OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION

NONFATAL: 0.080
 TARGET AT 25.89: 0.079
 LOT #: 07511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	12:50
BLANK TEST	0.000	12:50
INTERNAL STANDARD	VERIFIED	12:50
EXTERNAL STANDARD	0.080	12:50
BLANK TEST	0.000	12:51
SUBJECT SAMPLES	INCOMPLETE	12:53



SUBJECT TEST

Alaska Department of Public Safety
DYNAMISER ID#: 100699

Date: 03/05/2012
Time: 14:22:49

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

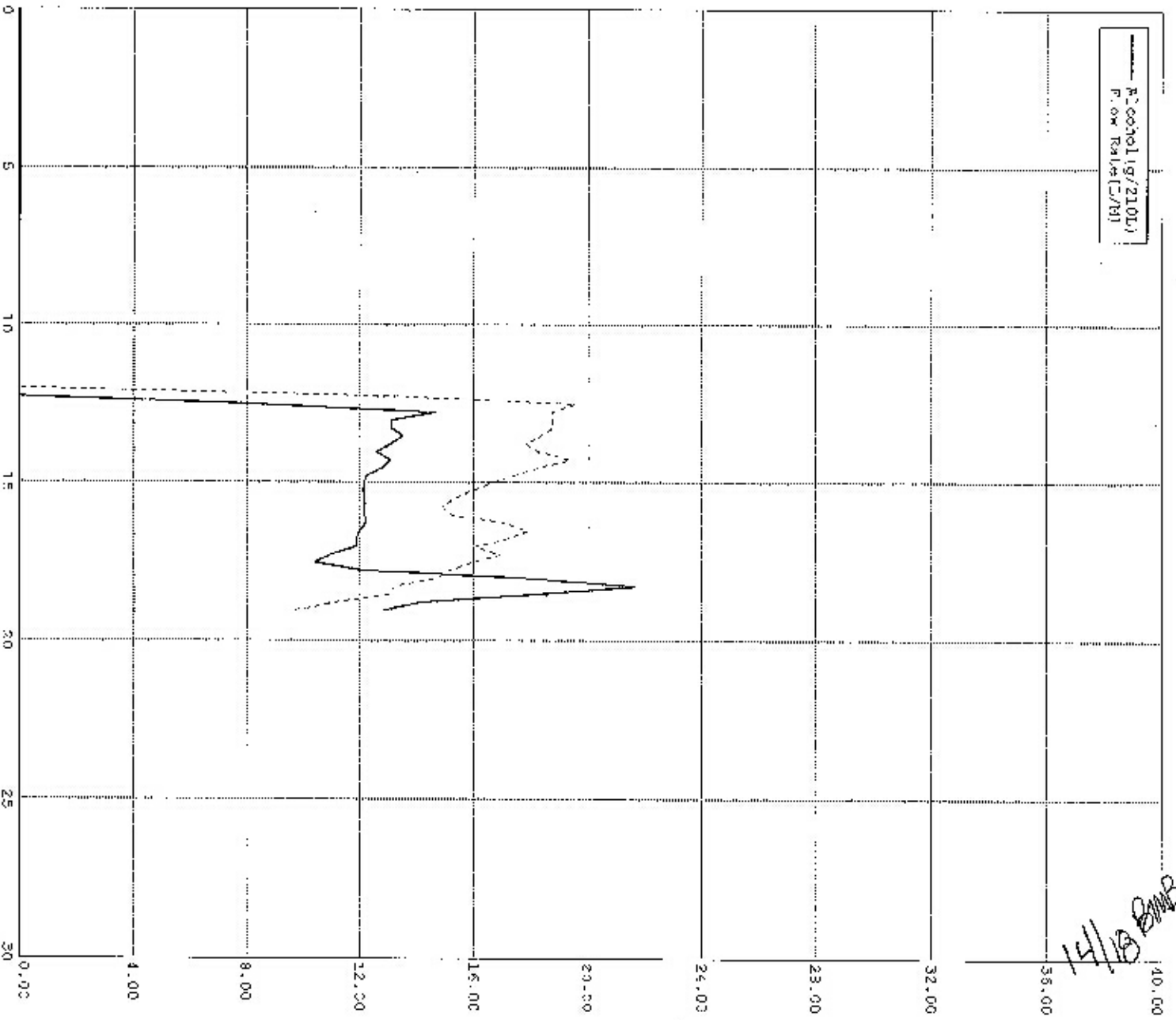
OPERATOR NAME:
BRANDI M FARNBERG
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOWVAL: 0.090
TARGET AT 25.81: 0.075
LOT #: 07511086A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	14:24
BLANK TEST	0.000	14:24
INTERNAL STANDARD	VERIFIED	14:24
EXTERNAL STANDARD	0.080	14:24
BLANK TEST	0.000	14:25
SUBJECT SAMPLE	INVALID	14:27

BMFB



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmc: 100699

Date: 03/05/2012
 Time: 14:42:56

SUBJECT NAME:
 TEST TEST
 LICENSE #: JNFKRPERE

OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

DRPT/AGENCY:
 ISOPROPANOL AND ETHANOL
 CASE/REPORT: KXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AC 29.81: 0.079
 LOT #: 0751080A1
 EXPIRATION: 03/01/2015

DIAGNOSTIC CHECK	PASSED	14:43
BLANK TEST	0.300	14:44
INTERNAL STANDARD	VERIFIED	14:44
EXTERNAL STANDARD	0.380	14:44
BLANK TEST	0.300	14:45
SUBJECT SAMPLE	INTERFERENCE	14:45

Handwritten signature: BBNB



Handwritten date and initials: 15/18/12 BBNB

SUBJECT TEST

Alaska Department of Public Safety
 DATAPRINTER dmt: 100699

Date: 03/05/2012
 Time: 14:48:48

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTERFERE

OPERATOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

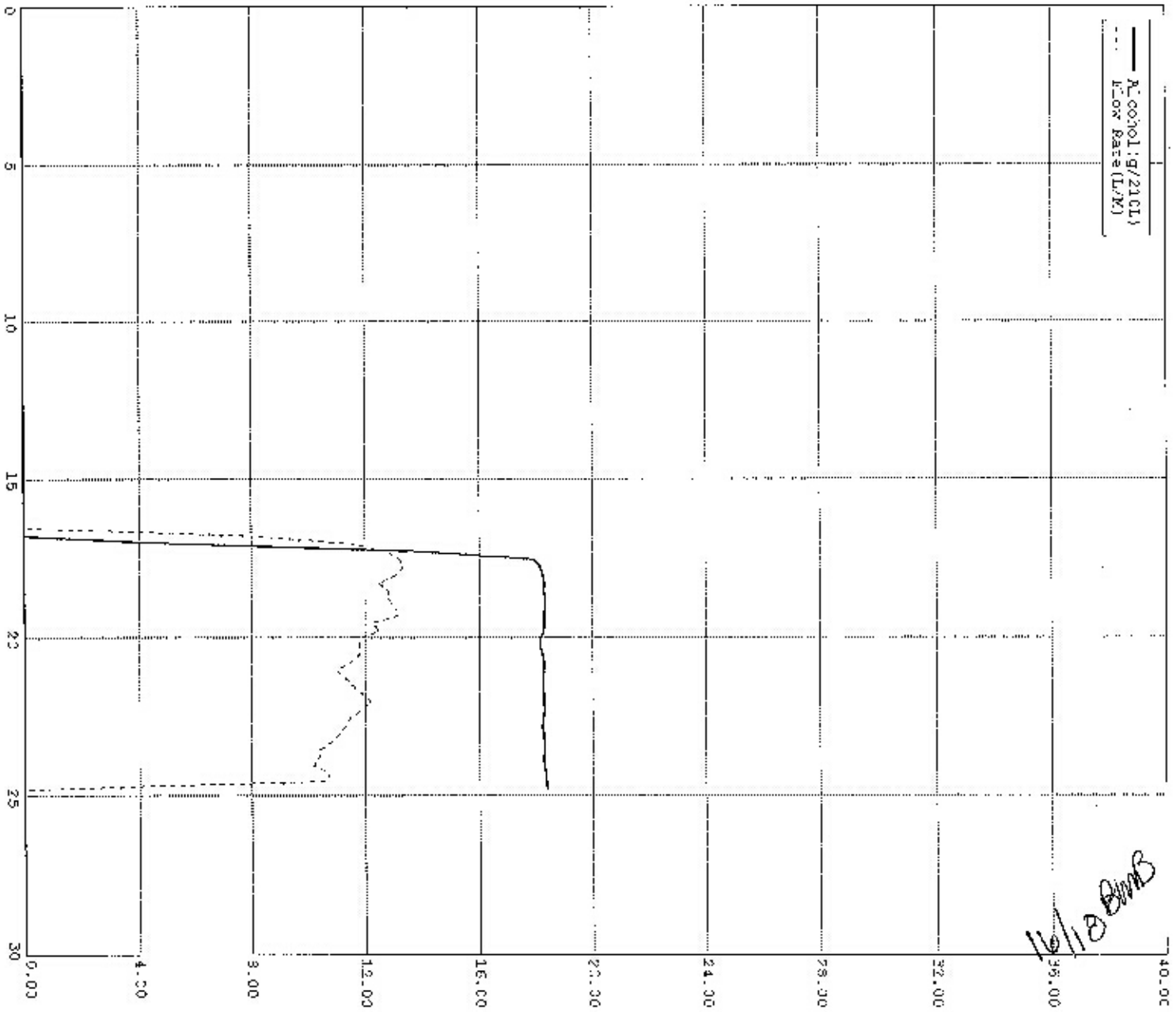
DEPT/AGENCY:
 ALCOHOL AND ETHANOL
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET wt 29.81; 0.079
 LOT #: C7511080A1
 EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	14:49
INTERNAL STANDARD	0.180	14:50
EXTERNAL STANDARD	0.180	14:50
BLANK TEST	0.000	14:51
SUBJECT SAMPLE	INTERFERENCE	14:51

BBMB



SUBJECT TEST

Alaska Department of Public Safety
DYNAMASTER date: 100899

Date: 03/05/2012
Time: 14:30:34

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

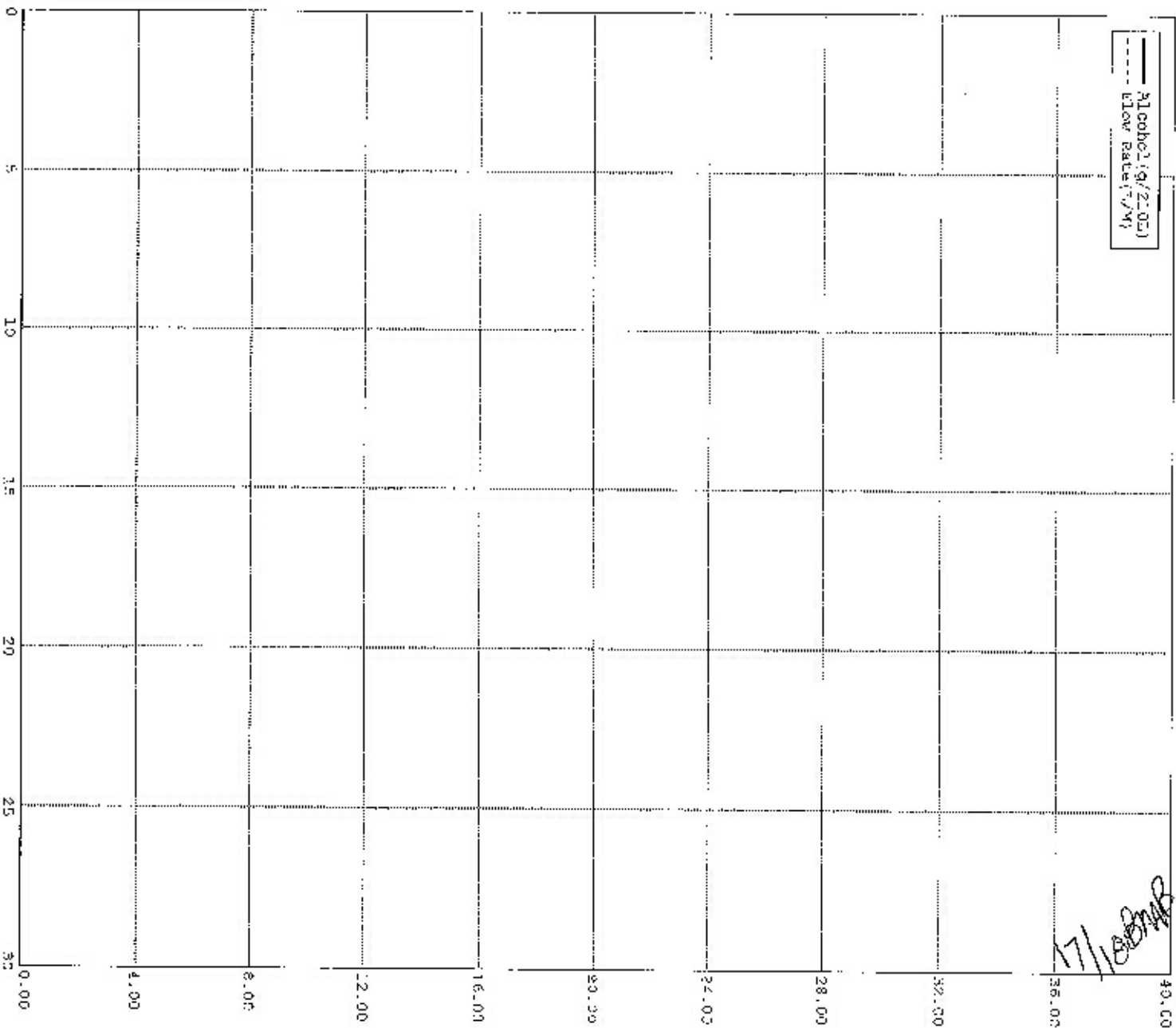
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

DRPT/AGENCY:
RADIO FREQUENCY INTERFERENCE
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
VARIABLE AT 29.81: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	14:32
BLANK TEST	0.000	14:32
INTERNAL STANDARD	VERIFIED	14:33
EXTERNAL STANDARD	0.080	14:33
BLANK TEST	0.000	14:34

API DISTRICT:



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmc: 100699

Date: 03/05/2012
Time: 15:28:14

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

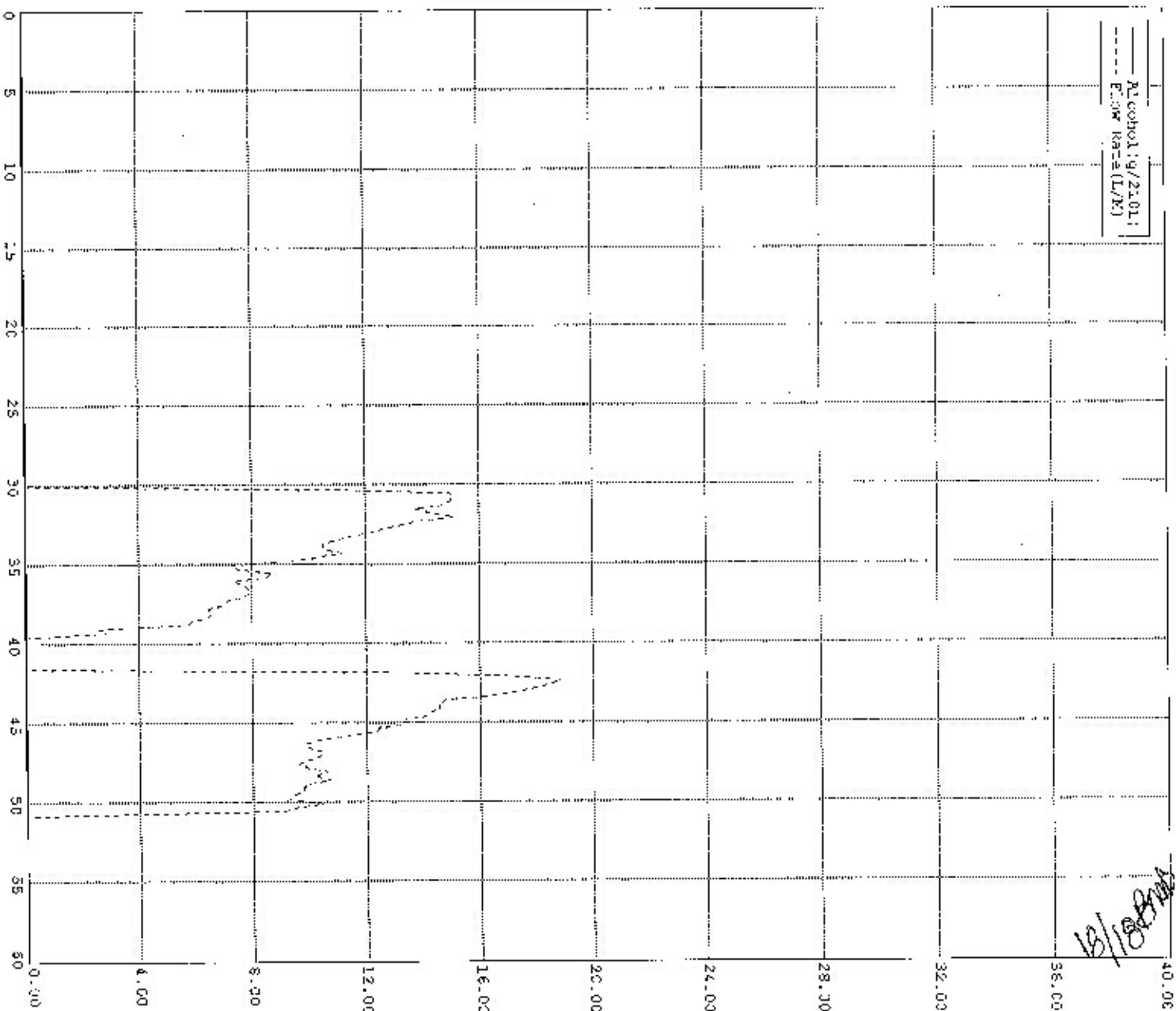
DEPT/AGENCY:
NONDRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.78: 0.079
LOT #: 07511080A1
EXPIRATION: 03/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	15:29
INTERNAL STANDARD	0.080	15:29
EXTERNAL STANDARD	0.080	15:29
BLANK TEST	0.000	15:30
SUBJECT SAMPLE	0.000	15:31
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.080	15:32
BLANK TEST	0.000	15:33

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