	State of Alaska Scientific Crime Detection Laboratory		
	DataMaster Certification Form - DMCEF2011R1		
	Issuing Authority - Nita Balz, Scientific Director		
Approval date: 03/10/11	Effective date: 03/10/11	Archive date: Active	

DataMaster DMT Certification Form

Instrument # 100387Analyst Brandi Barnett
Date 4/14/11

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 1700 mL
5. Dry Gas Linearity Test (attached)
 - a. Levels Used
 - i. 0.020g/210L Mnf ILMO Lot 15210020A1 Exp 07/01/2012
 - ii. 0.040g/210L Mnf ILMO Lot 15210040A2 Exp 07/01/2012
 - 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 07411300A1 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 DR 6267
 - 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)

1/18/11

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dnt: 100367

Date: 04/14/2011
Time: 06:52:34

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
Breath Tube = 48.1°C PASSED

PUMP INFO

Flow Rate = 3.907 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

2/18/11 BMB

Technician Screen

DAEMASTER dnt: 100387

Date: 04/14/2011

Time: 6:57 AM

Temperatures (°C)

Sample Cell: 49.9°C
Breath Tube: 47.5°C

Current Barometer 29.8 in
Volume (ltr) 1.45

Settings

Lamp: 1.72 V
Bias: 79 V
Cooler: 1.59 V
Chopper: 537 Hz

Voltages (V)

Flow: 1.05 V
Detector: 0.375 V

3/18/11 EMB

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100387

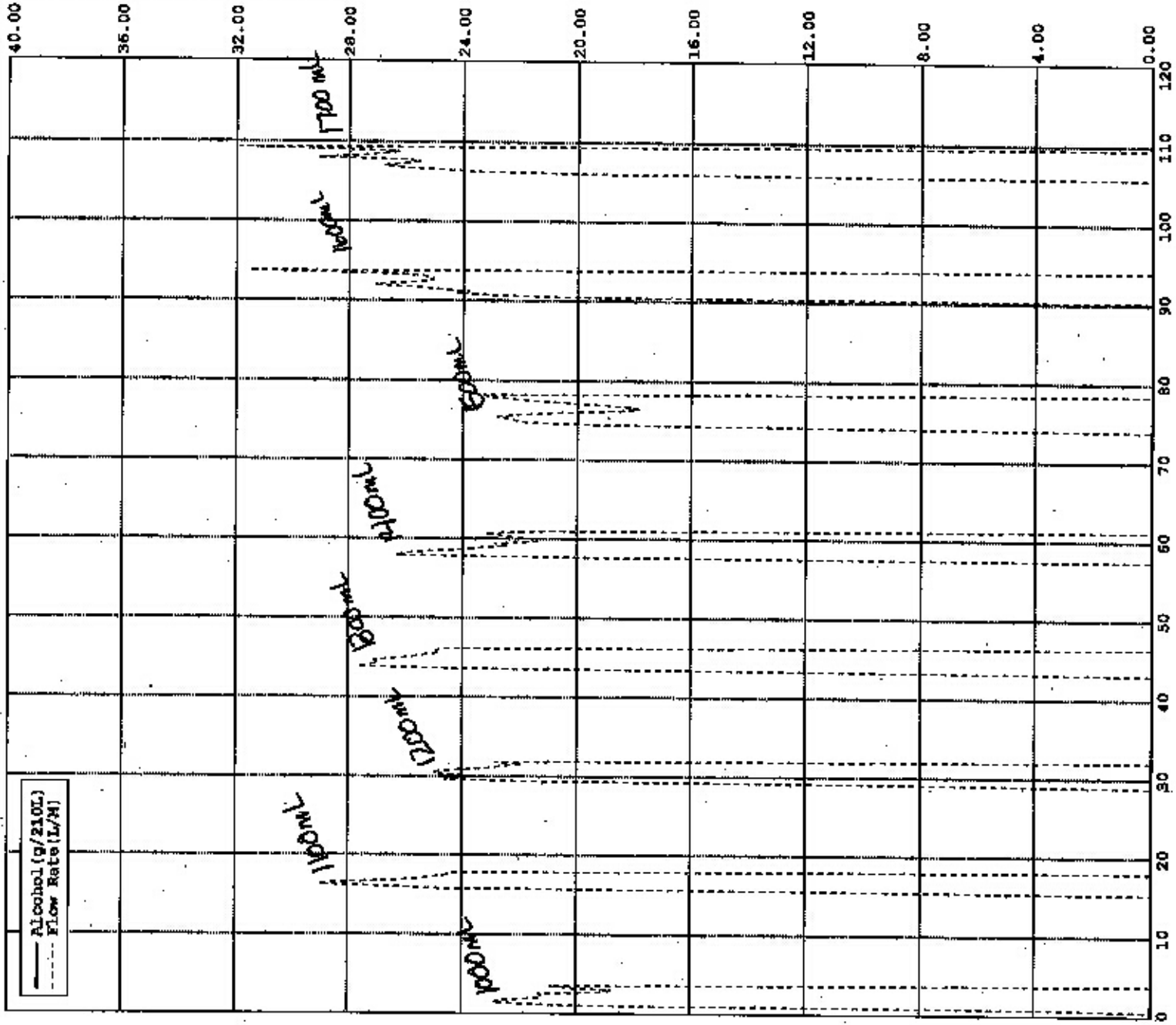
Date: 04/12/2011
Time: 14:12:44

SUPERVISOR NAME:
COLLEEN S O'BRYAN
CERTIFICATE #: 6237

LOT #: GUTH100
BOTTLE #: 10260
EXPIRATION: 10/25/2012

Ca	=	0.1000		
CAL	=	0.972396	0.800	<= CAL < 1.200
b1	=	0.0001	0.0000	<= b1 < 0.0040
b2	=	0.0051	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xg	=	0.0874	0.0500	<= Xg < 0.2000
a21	=	1.166124	1.050	<= a21 < 1.300
a31	=	0.471408	0.300	<= a31 < 0.800

4/18/2011



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100387

Date: 04/14/2011
 Time: 07:01:08

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 29.77: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	07:03
BLANK TEST	0.000	07:03
INTERNAL STANDARD	VERIFIED	07:03
EXTERNAL STANDARD	0.081	07:03
BLANK TEST	0.000	07:04
SUBJECT SAMPLE	0.000	07:06
BLANK TEST	0.000	07:07
EXTERNAL STANDARD	0.080	07:07
BLANK TEST	0.000	07:08

BMB

5/18 BMB

LINEARITY CHECK

Alaska Department of Public Safety
 DAVIDMASTER dmt: 100387

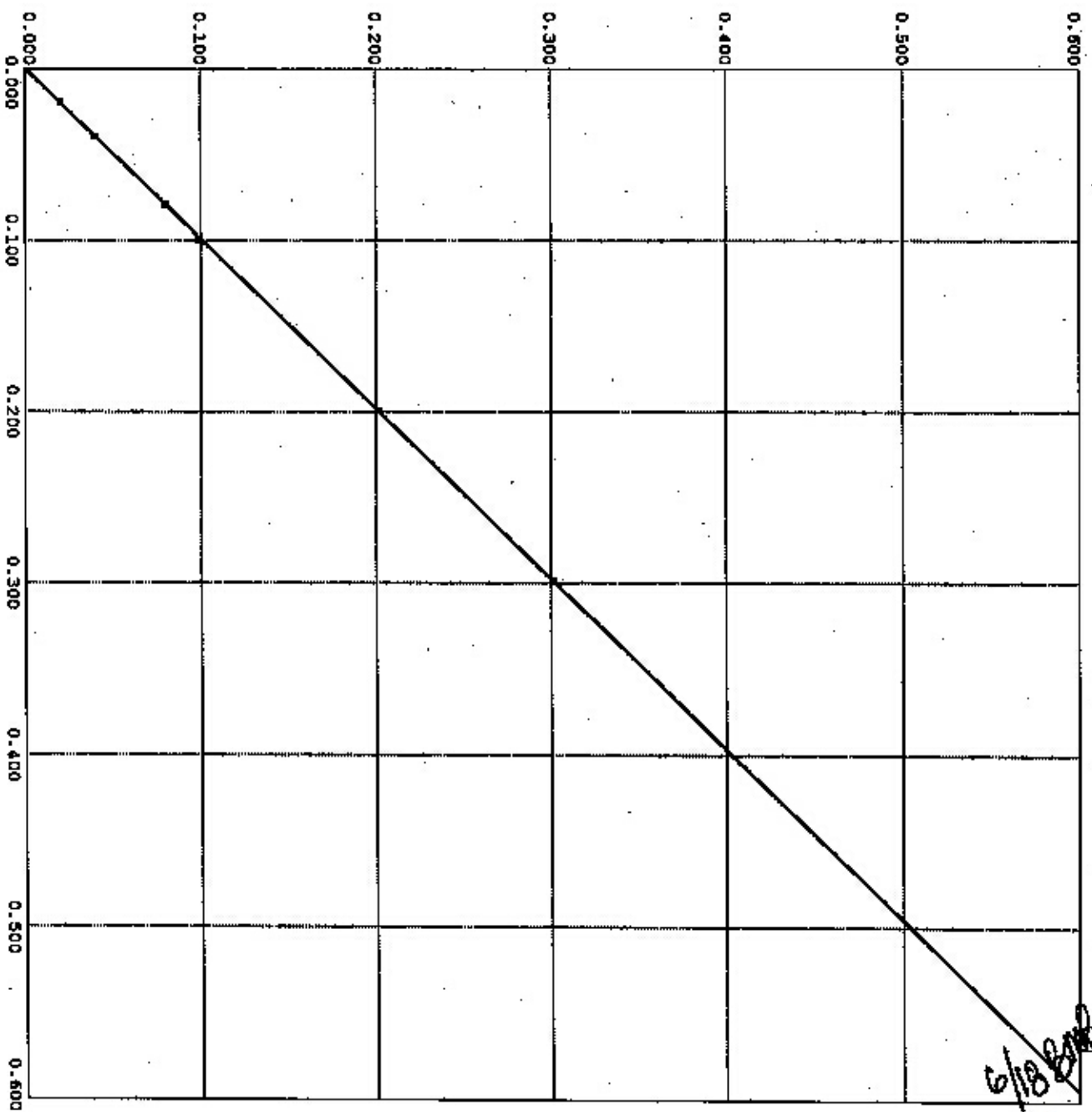
Date: 04/14/2011
 Time: 07:13:10

SUPERVISOR NAME:
 BRANDI M BARRETT
 OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.019	0.0204	0.0005
0.039	0.0400	0.0000
0.079	0.0804	0.0005
0.099	0.0998	0.0004
0.199	0.2020	0.0000
0.299	0.3014	0.0005

SLOPE = 1.009169
 R² = 0.999990

BMB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DAYMASTER dnt: 100387

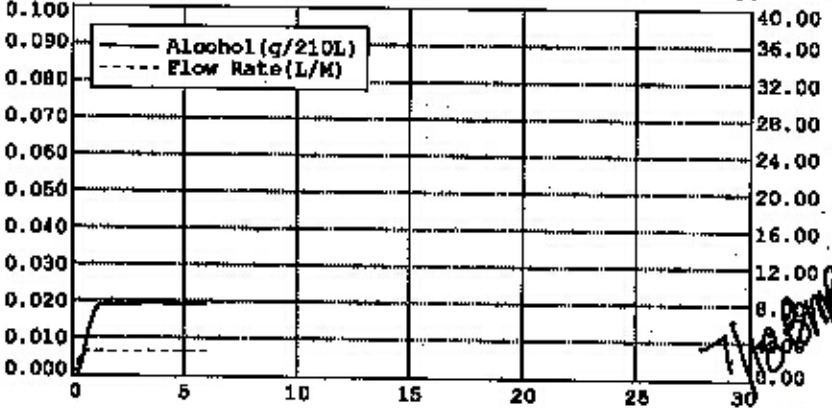
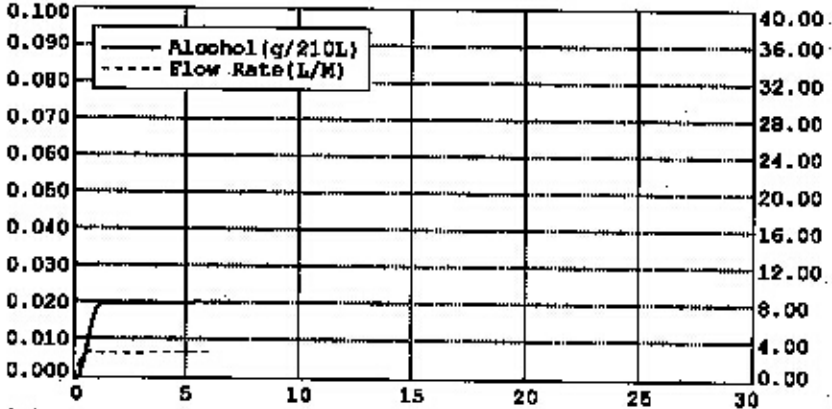
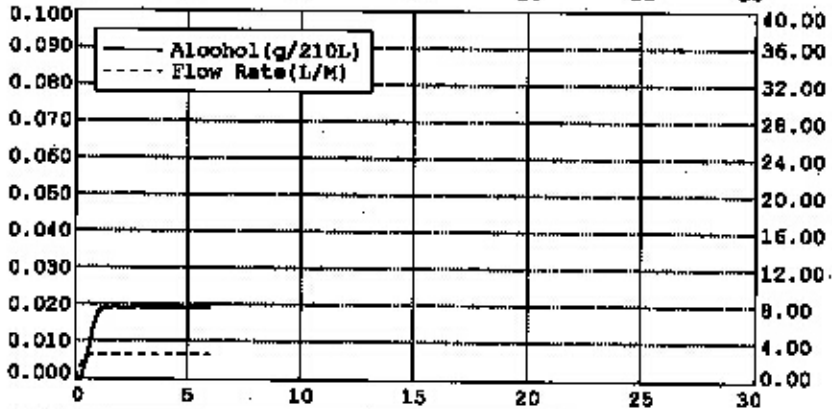
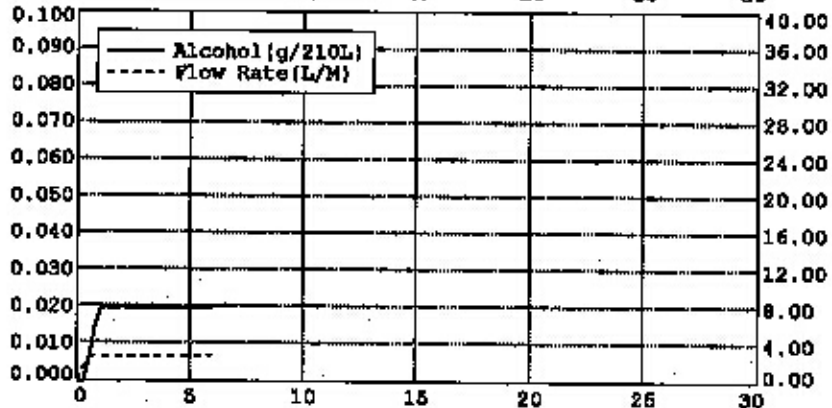
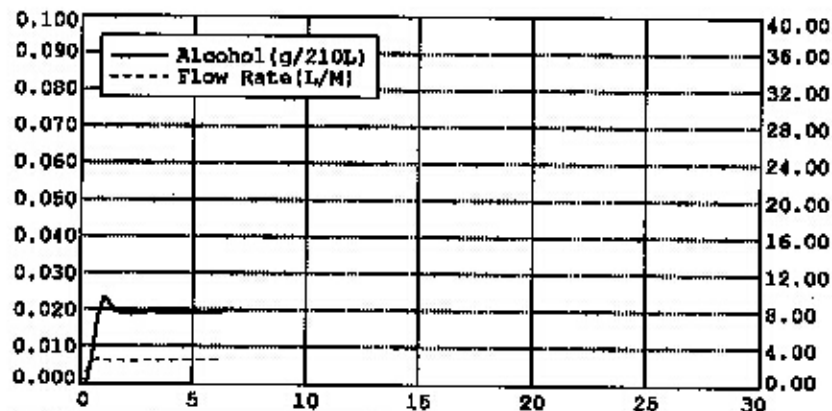
Date: 04/14/2011
 Time: 07:13:11

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.76: 0.019
 LOT #: 15210020A1
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	07:14
INTERNAL STANDARD	VERIFIED	07:14
EXTERNAL STANDARD	0.020	07:14
BLANK TEST	0.000	07:15
EXTERNAL STANDARD	0.021	07:15
BLANK TEST	0.000	07:16
EXTERNAL STANDARD	0.020	07:16
BLANK TEST	0.000	07:17
EXTERNAL STANDARD	0.021	07:17
BLANK TEST	0.000	07:18
EXTERNAL STANDARD	0.020	07:18
BLANK TEST	0.000	07:19

Average = 0.0204
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

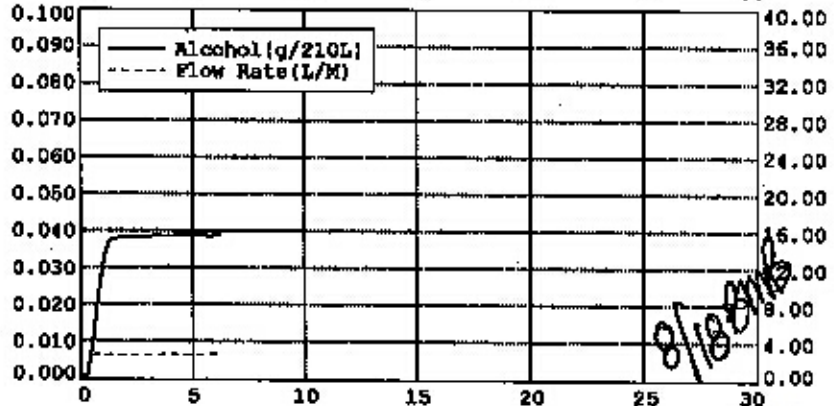
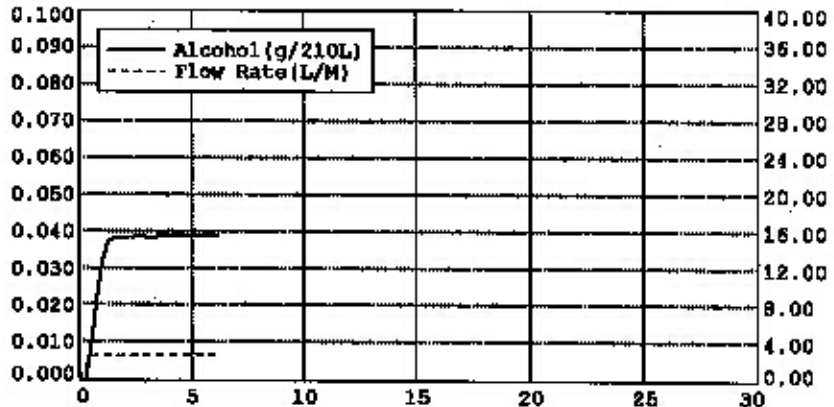
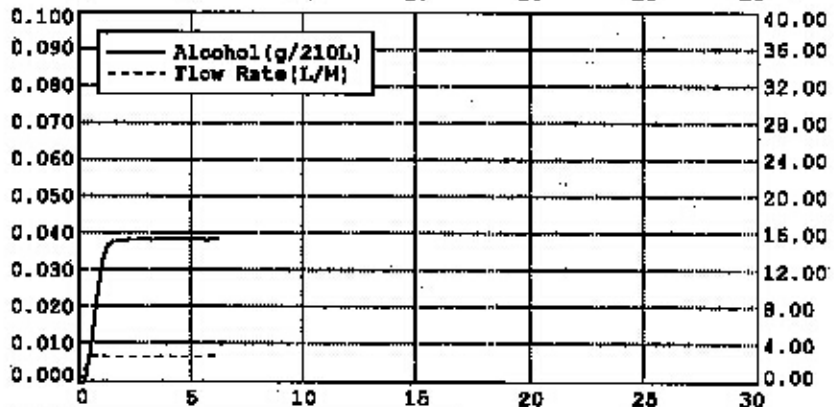
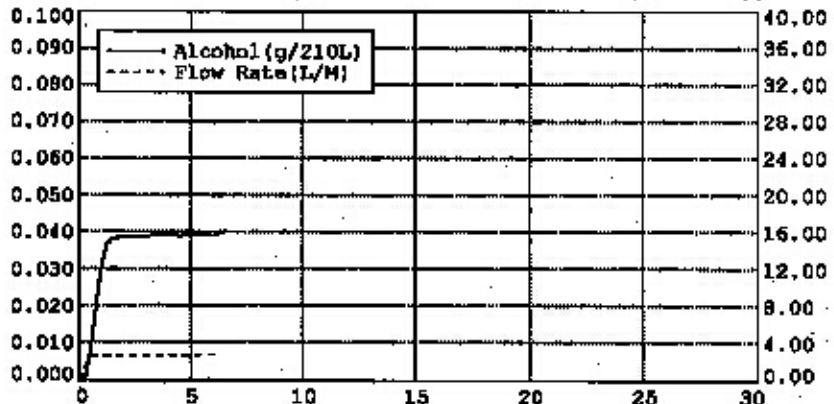
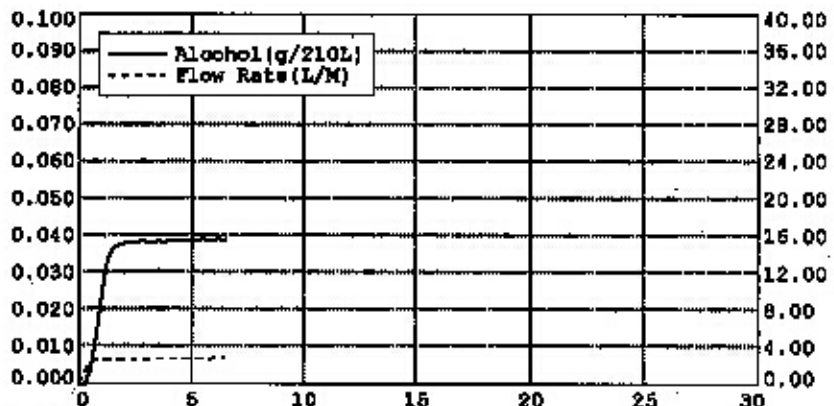
Alaska Department of Public Safety
 DATAMASTER dnt: 100387

Date: 04/14/2011
 Time: 07:23:04

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.77: 0.039
 LOT #: 15210040A2
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	07:24
INTERNAL STANDARD	VERIFIED	07:24
EXTERNAL STANDARD	0.040	07:24
BLANK TEST	0.000	07:25
EXTERNAL STANDARD	0.040	07:25
BLANK TEST	0.000	07:26
EXTERNAL STANDARD	0.040	07:26
BLANK TEST	0.000	07:27
EXTERNAL STANDARD	0.040	07:27
BLANK TEST	0.000	07:28
EXTERNAL STANDARD	0.040	07:28
BLANK TEST	0.000	07:29

Average = 0.0400
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100387

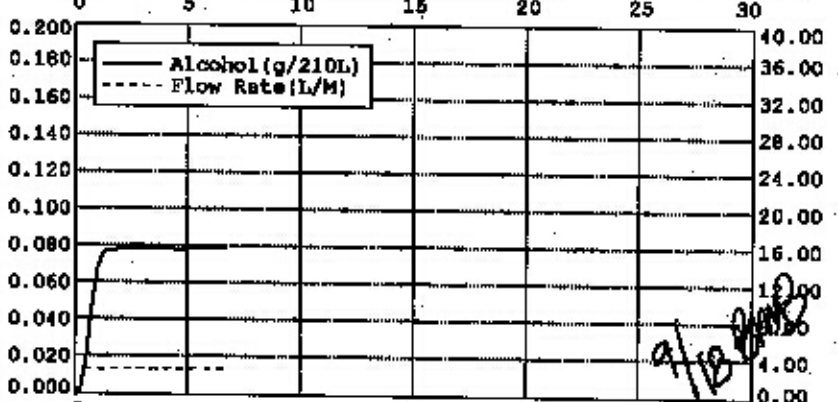
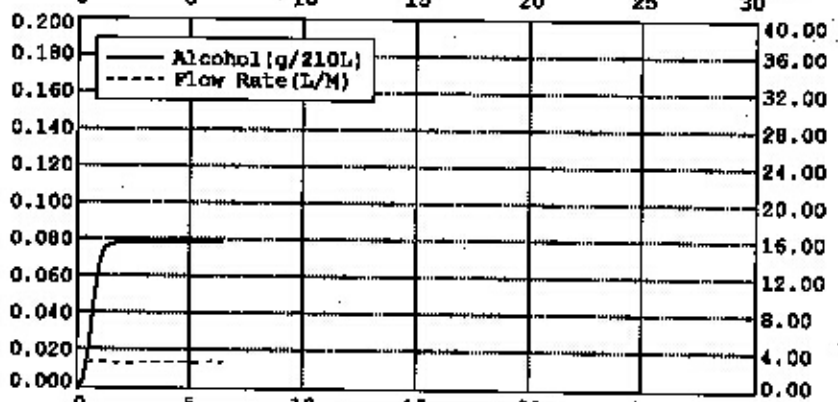
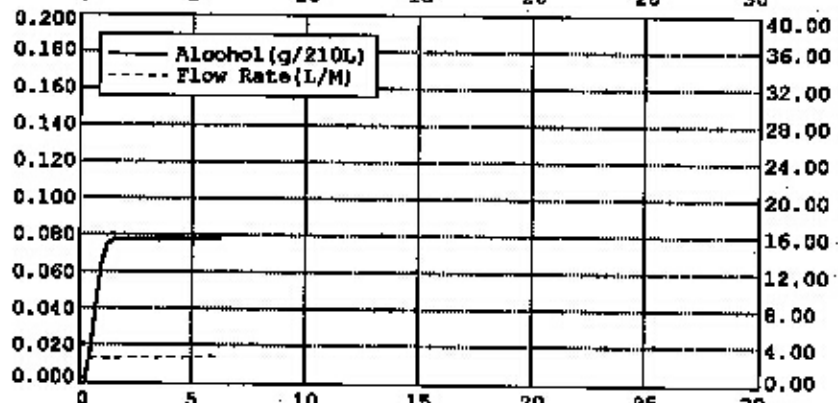
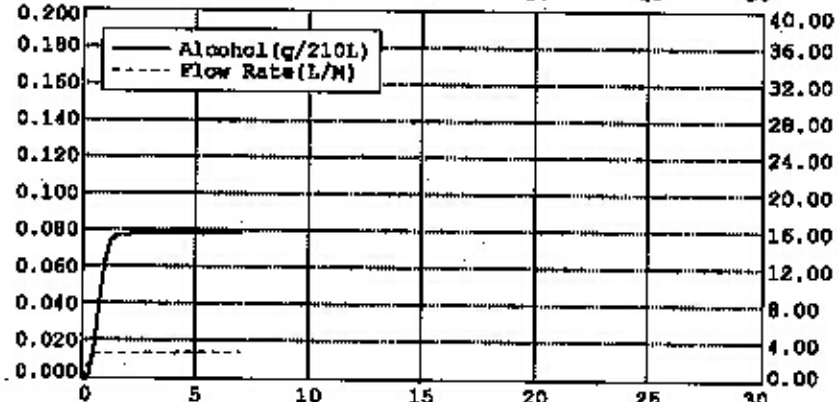
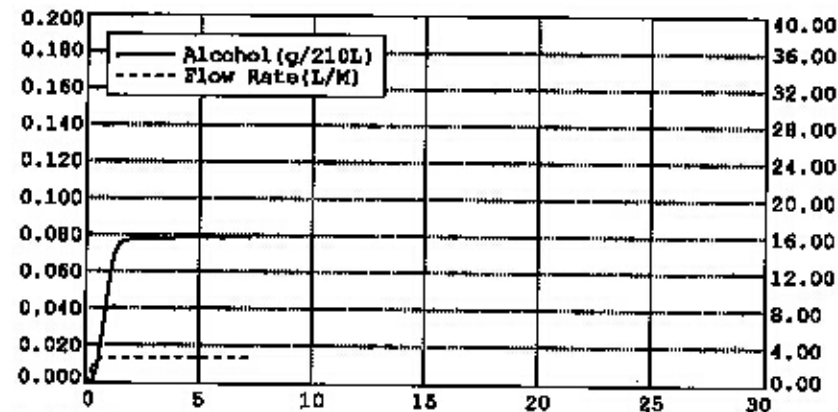
Date: 04/14/2011
 Time: 07:31:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.78; 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	07:32
INTERNAL STANDARD	VERIFIED	07:32
EXTERNAL STANDARD	0.081	07:32
BLANK TEST	0.000	07:33
EXTERNAL STANDARD	0.080	07:33
BLANK TEST	0.000	07:34
EXTERNAL STANDARD	0.080	07:34
BLANK TEST	0.000	07:35
EXTERNAL STANDARD	0.080	07:35
BLANK TEST	0.000	07:36
EXTERNAL STANDARD	0.081	07:36
BLANK TEST	0.000	07:37

Average = 0.0804
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 4

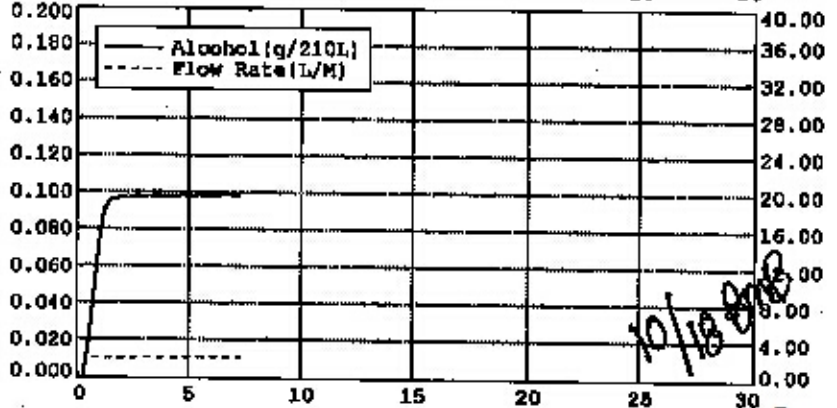
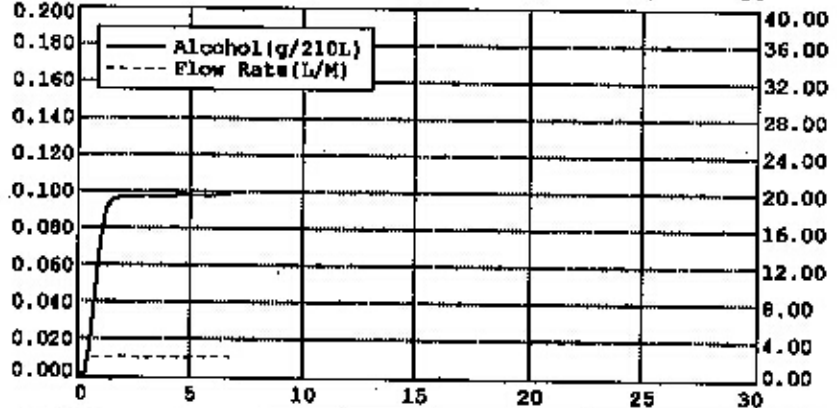
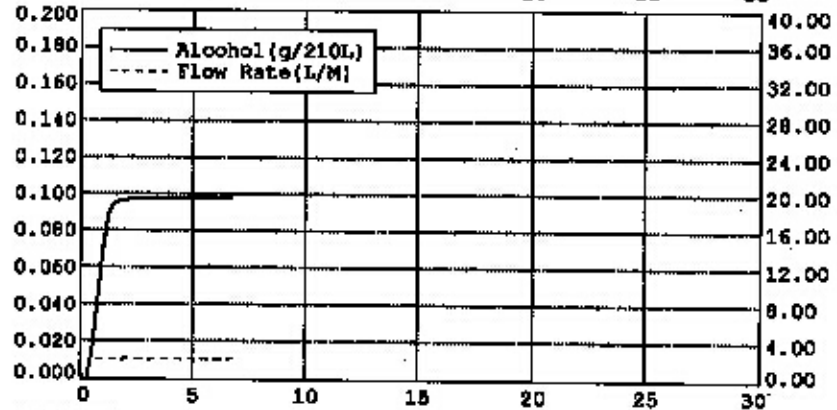
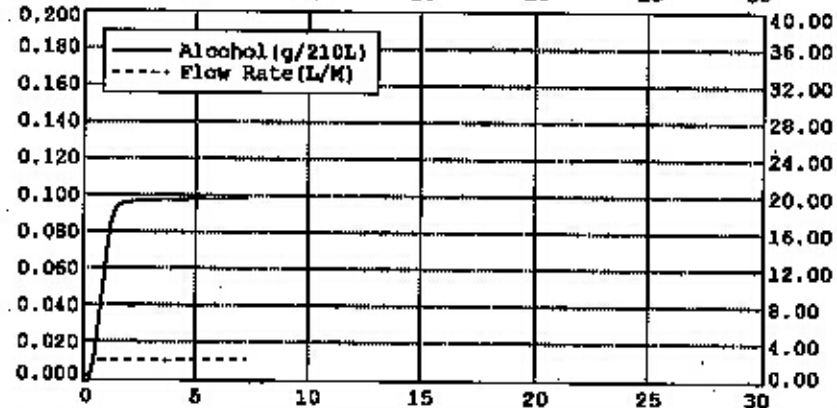
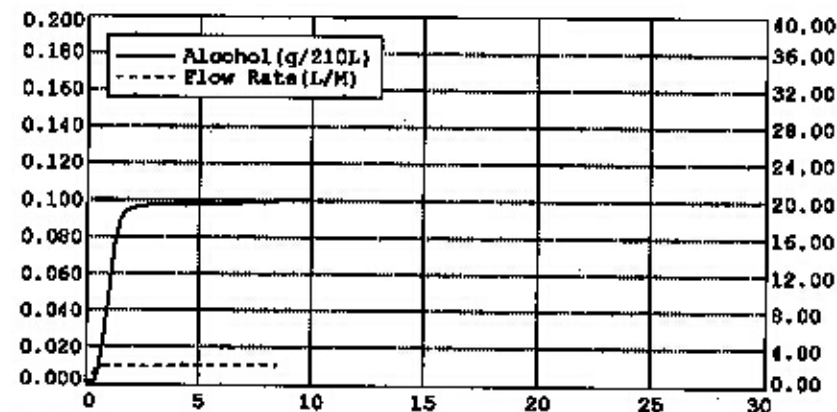
Alaska Department of Public Safety
 DATAMASTER dmb: 100387

Date: 04/14/2011
 Time: 07:42:21

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.78: 0.099
 LOT #: 05611100A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	07:44
INTERNAL STANDARD	VERIFIED	07:44
EXTERNAL STANDARD	0.100	07:44
BLANK TEST	0.000	07:45
EXTERNAL STANDARD	0.100	07:45
BLANK TEST	0.000	07:46
EXTERNAL STANDARD	0.099	07:46
BLANK TEST	0.000	07:47
EXTERNAL STANDARD	0.100	07:47
BLANK TEST	0.000	07:48
EXTERNAL STANDARD	0.100	07:48
BLANK TEST	0.000	07:49

Average = 0.0998
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

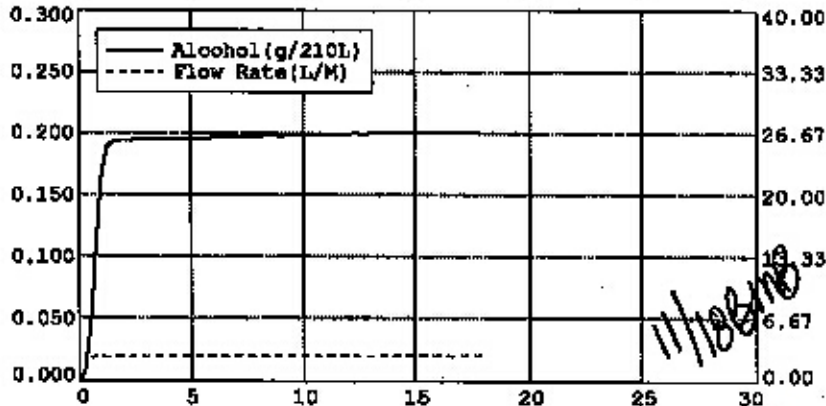
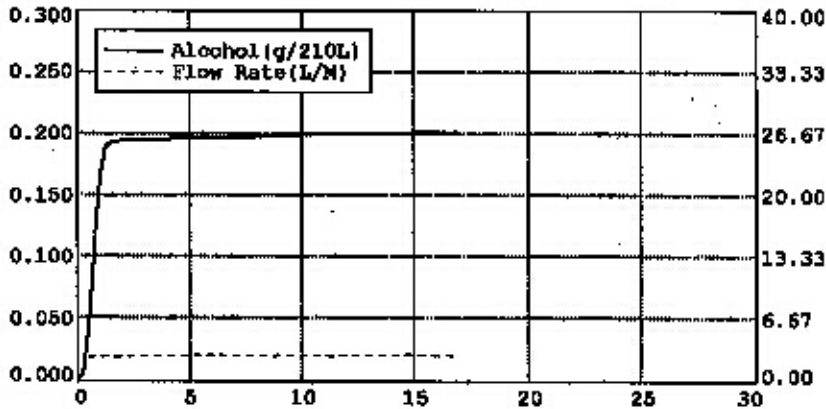
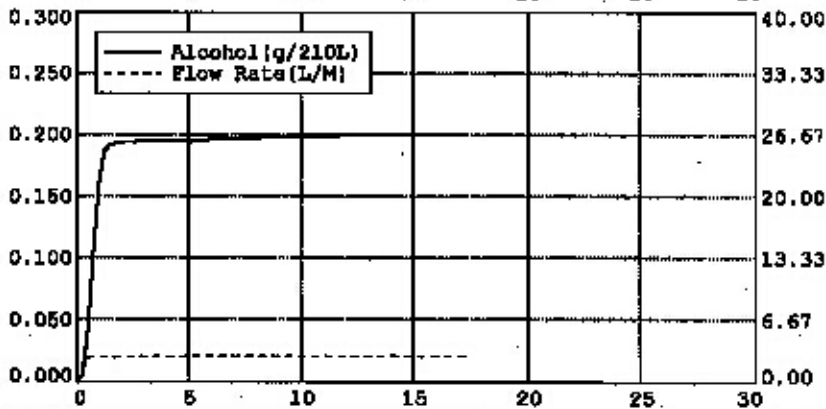
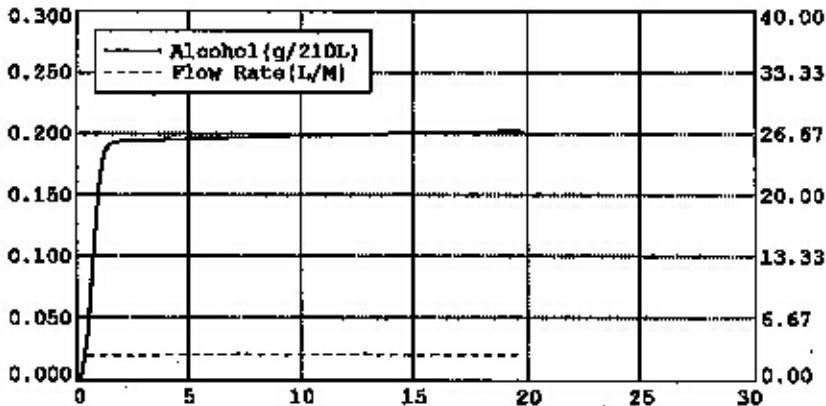
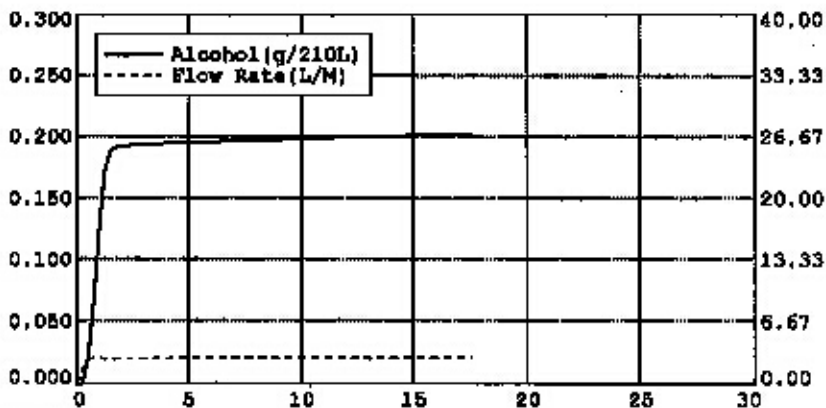
Alaska Department of Public Safety
DATAMASTER dnt: 100387

Date: 04/14/2011
Time: 07:55:09

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.200
TARGET AT 29.79: 0.199
LOT #: 07411200A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	07:56
INTERNAL STANDARD	VERIFIED	07:56
EXTERNAL STANDARD	0.202	07:56
BLANK TEST	0.000	07:57
EXTERNAL STANDARD	0.202	07:58
BLANK TEST	0.000	07:59
EXTERNAL STANDARD	0.202	07:59
BLANK TEST	0.000	08:00
EXTERNAL STANDARD	0.202	08:01
BLANK TEST	0.000	08:02
EXTERNAL STANDARD	0.202	08:02
BLANK TEST	0.000	08:03

Average = 0.2020
Std Dev = 0.0000



LINEARITY CHECK: Control Test 6

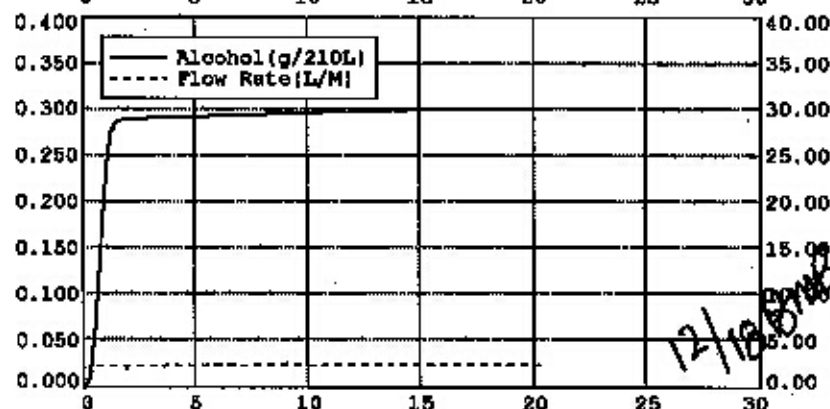
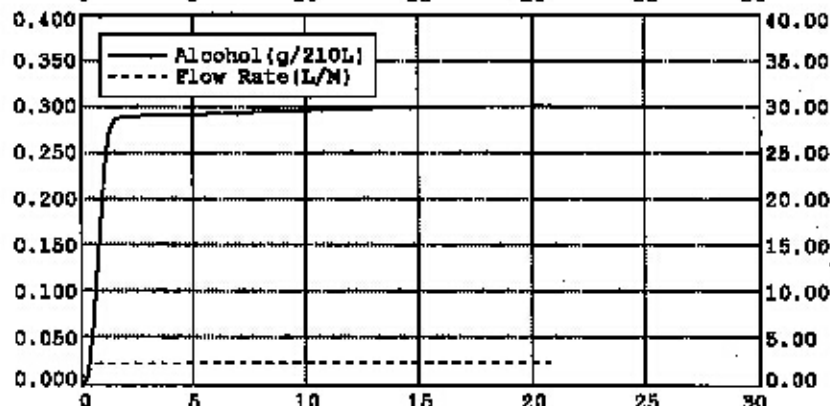
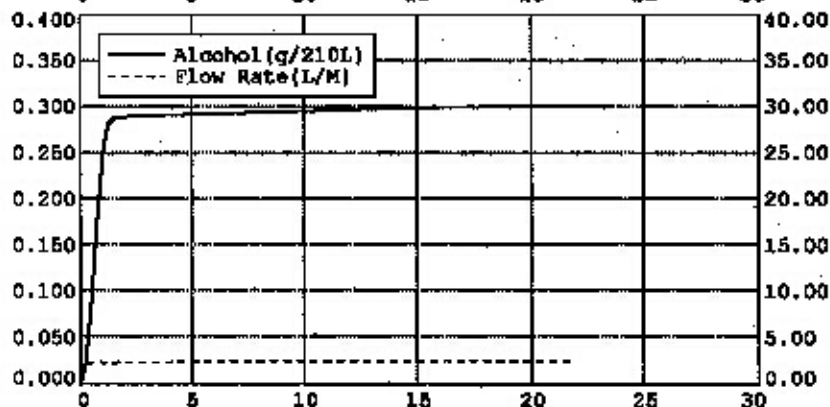
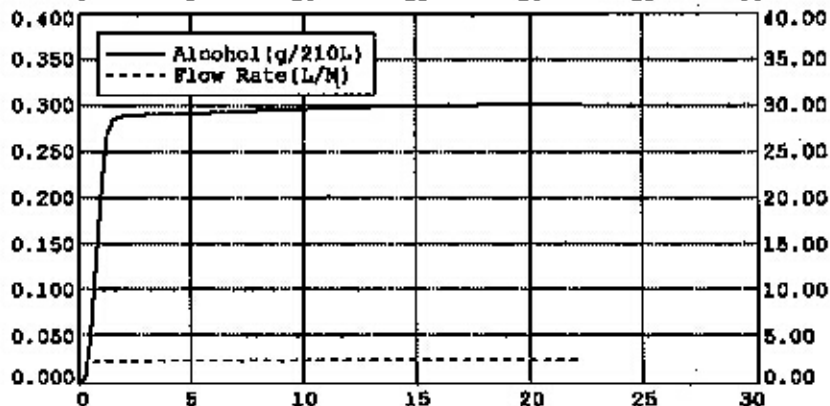
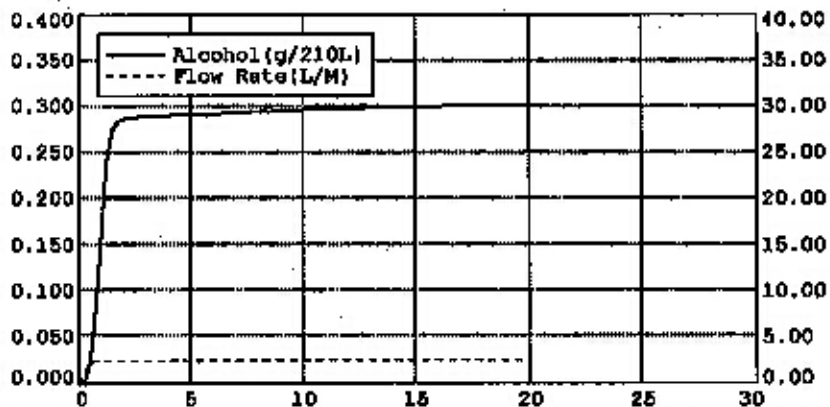
Alaska Department of Public Safety
 DATA MASTER dnt: 100387

Date: 04/14/2011
 Time: 08:11:22

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 29.79: 0.298
 LOT #: 07411300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:13
INTERNAL STANDARD	VERIFIED	08:13
EXTERNAL STANDARD	0.301	08:14
BLANK TEST	0.000	08:15
EXTERNAL STANDARD	0.302	08:15
BLANK TEST	0.000	08:17
EXTERNAL STANDARD	0.301	08:17
BLANK TEST	0.000	08:18
EXTERNAL STANDARD	0.302	08:19
BLANK TEST	0.000	08:20
EXTERNAL STANDARD	0.301	08:20
BLANK TEST	0.000	08:21

Average = 0.3014
 Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmc: 100387

Date: 04/14/2011
 Time: 08:30:55

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

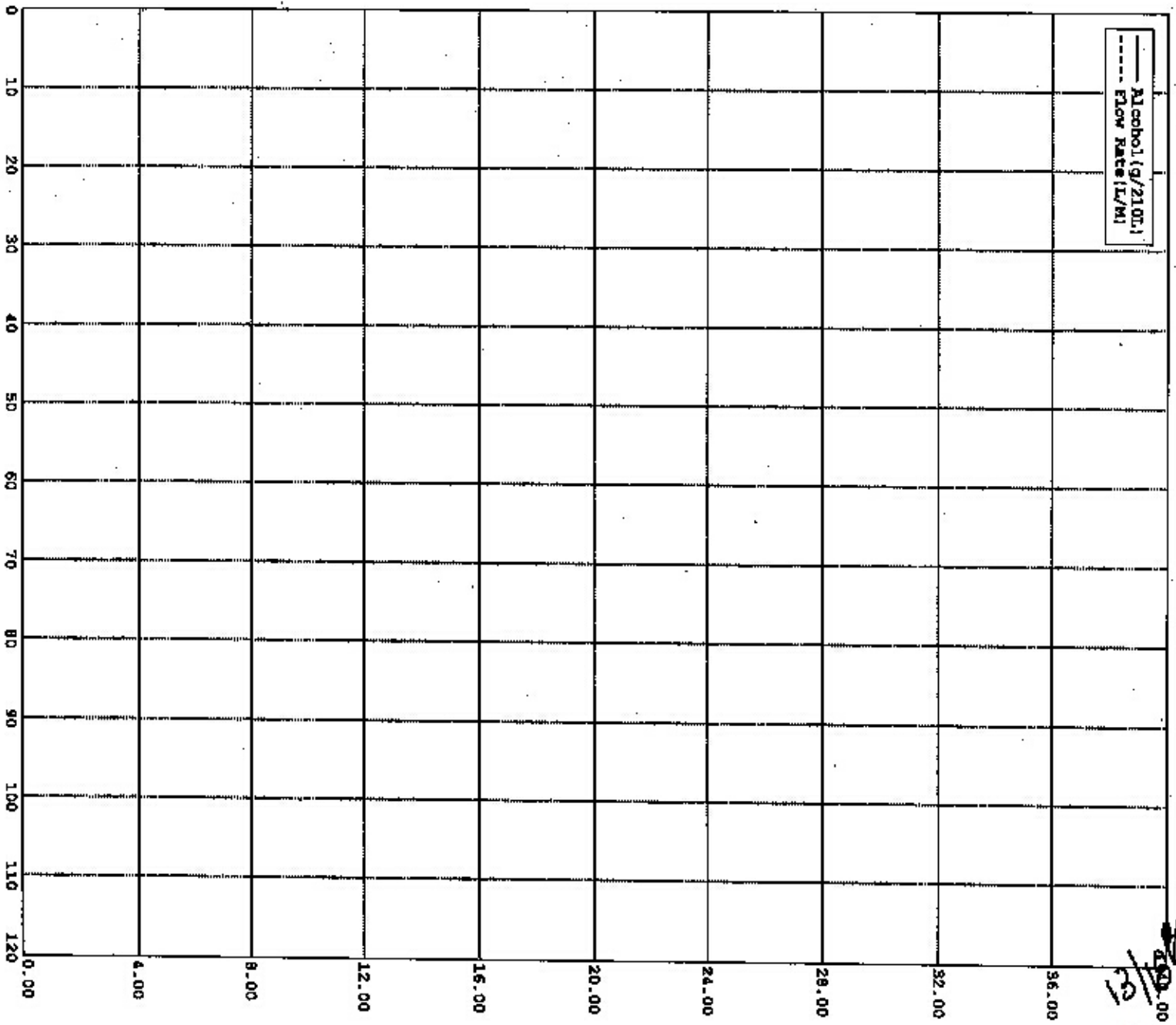
OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AIR 29.80: 0.079
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:32
BLANK TEST	0.000	08:32
INTERNAL STANDARD	VERIFIED	08:32
EXTERNAL STANDARD	0.081	08:32
BLANK TEST	0.000	08:33
SUBJECT SAMPLE	INCOMPLETE	08:35

Brandl



13/10/08

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmc: 100387

Date: 04/14/2011
 Time: 09:29:40

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

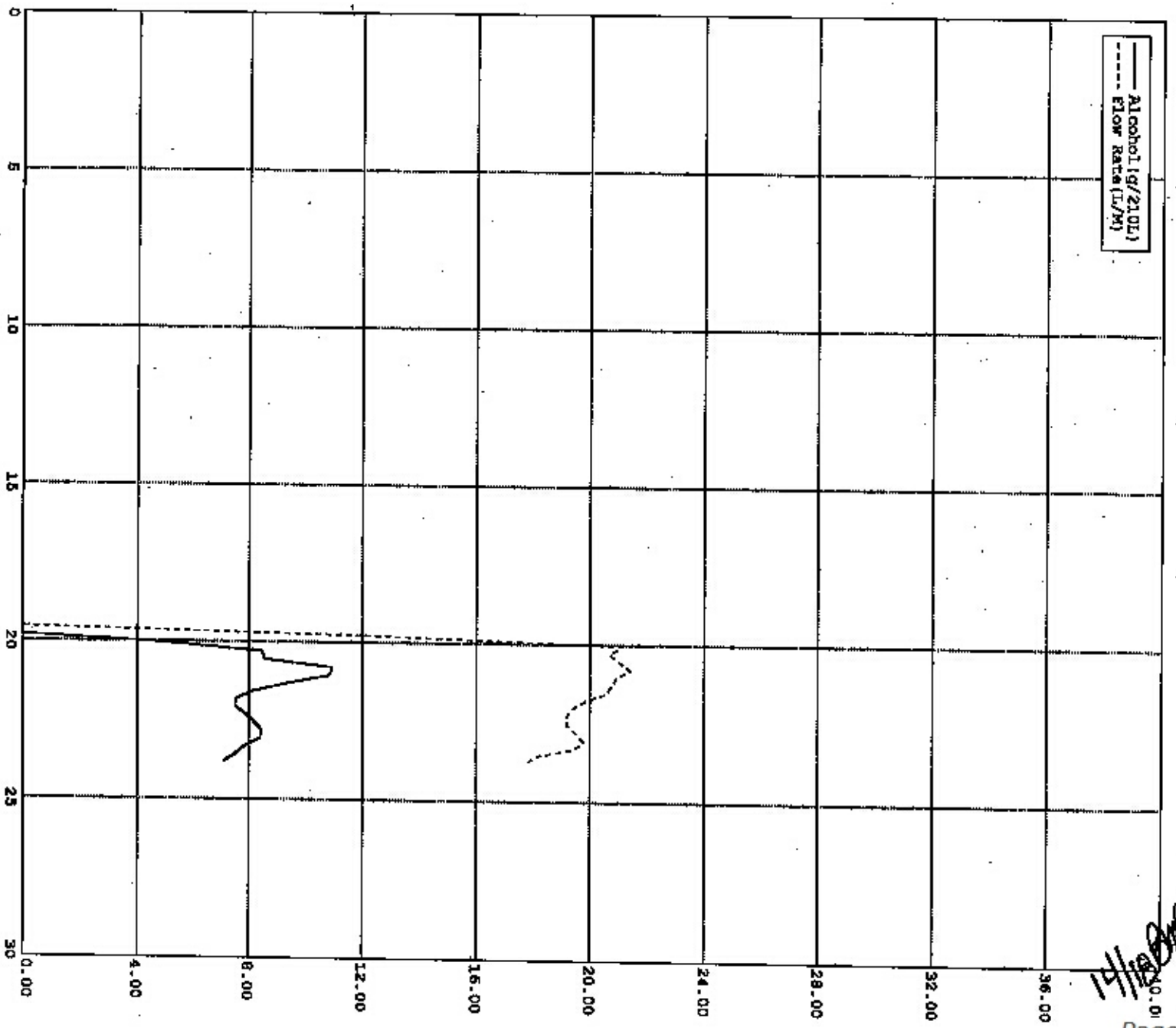
OPERATOR NAME:
 TVALLD XXXX
 OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.81: 0.879
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	09:30
BLANK TEST	0.000	09:31
INTERNAL STANDARD	0.080	09:31
EXTERNAL STANDARD	0.000	09:32
BLANK TEST	0.000	09:32
SUBJECT SAMPLE	INTERNAL	09:33

BMMB



10.00
 11/14/11

SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER ddt: 100387

Date: 04/14/2011
Time: 08:38:26

SUBJECT NAME:
TEST TEST
LICENSE #: INTERFERE

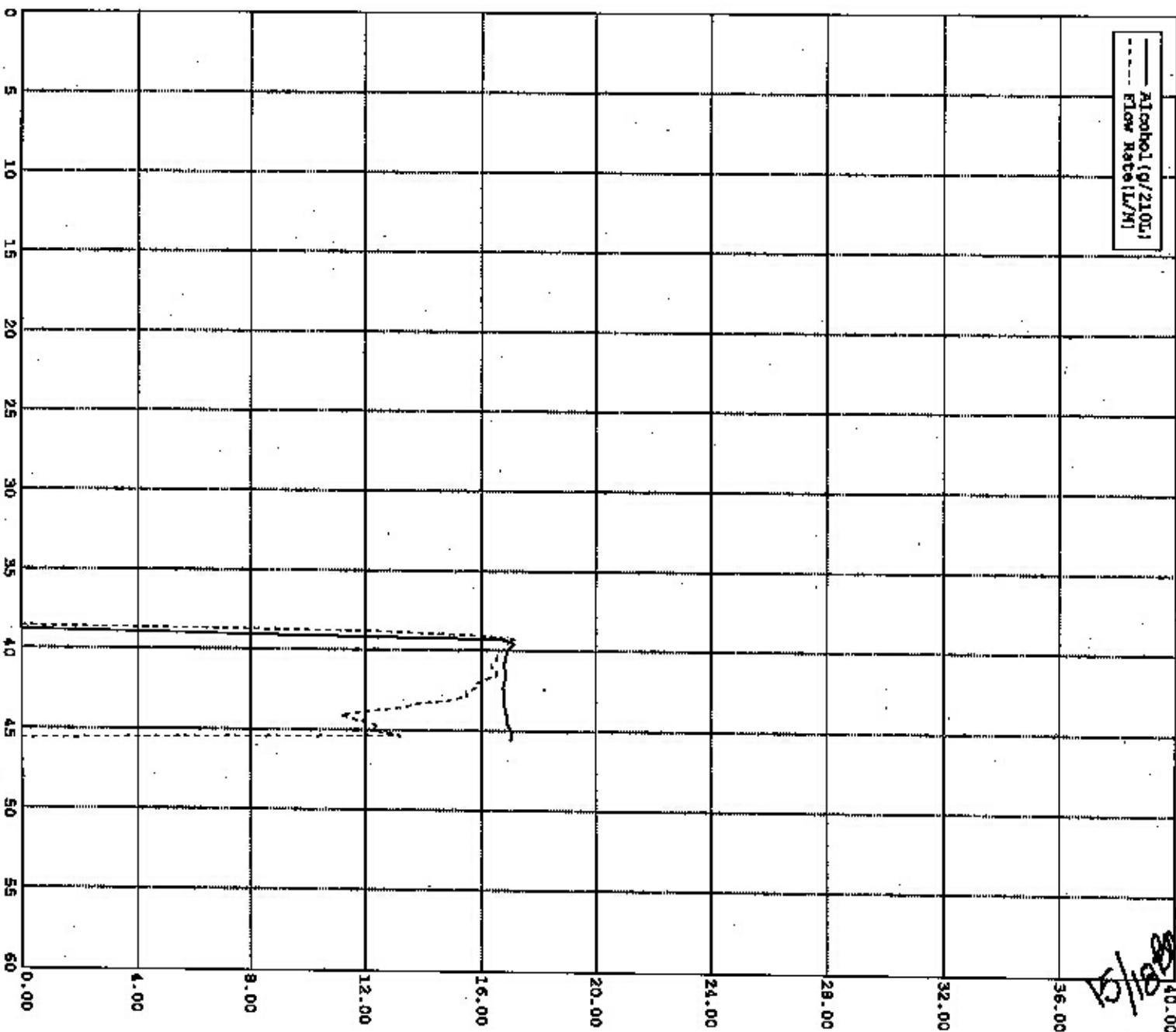
OPERATOR NAME:
ETHANOL AND ACETONE
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.80: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:40
BLANK TEST	0.000	08:40
INTERNAL STANDARD	VERIFIED	08:40
EXTERNAL STANDARD	0.081	08:40
BLANK TEST	0.000	08:41
SUBJECT SAMPLE	INTERFERENCE	08:42

BSMB



15/10/2011

SUBJECT TEST

Alaska Department of Public Safety
DATABASE# dnt: 100387

Date: 04/14/2011
Time: 08:45:30

SUBJECT NAME:
TEST TEST
LICENSE #: INTERFERE

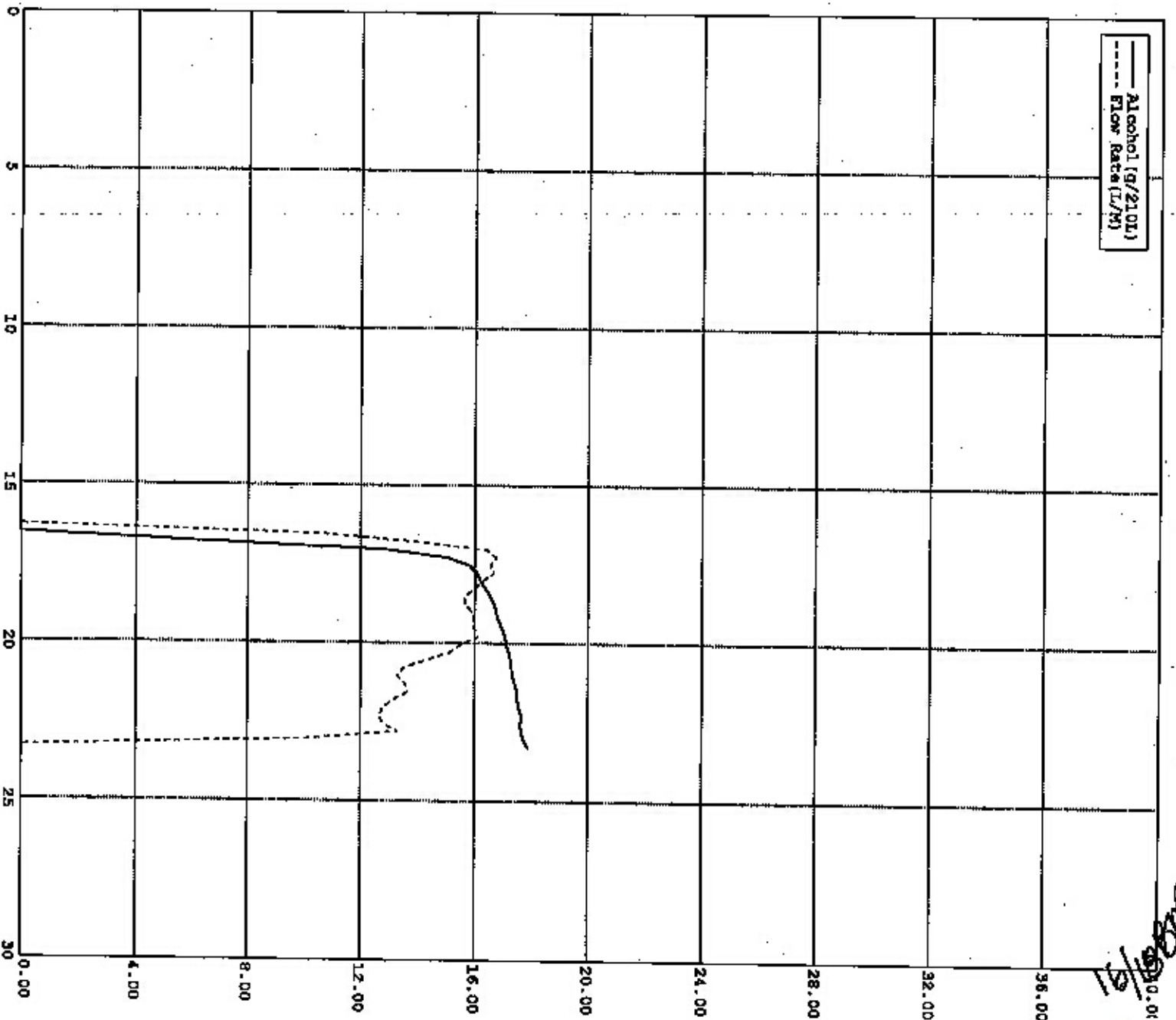
OPERATOR NAME:
STANOU AND ISOROPANOU
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.80: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:47
BLANK TEST	0.000	08:47
INTERNAL STANDARD	VERIFIED	08:47
EXTERNAL STANDARD	0.081	08:47
BLANK TEST	0.000	08:48
SUBJECT SAMPLE	INTERFERENCE	08:49

BSNB



4/14/11
BSNB

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER date: 100367

Date: 04/14/2011
Time: 08:51:28

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

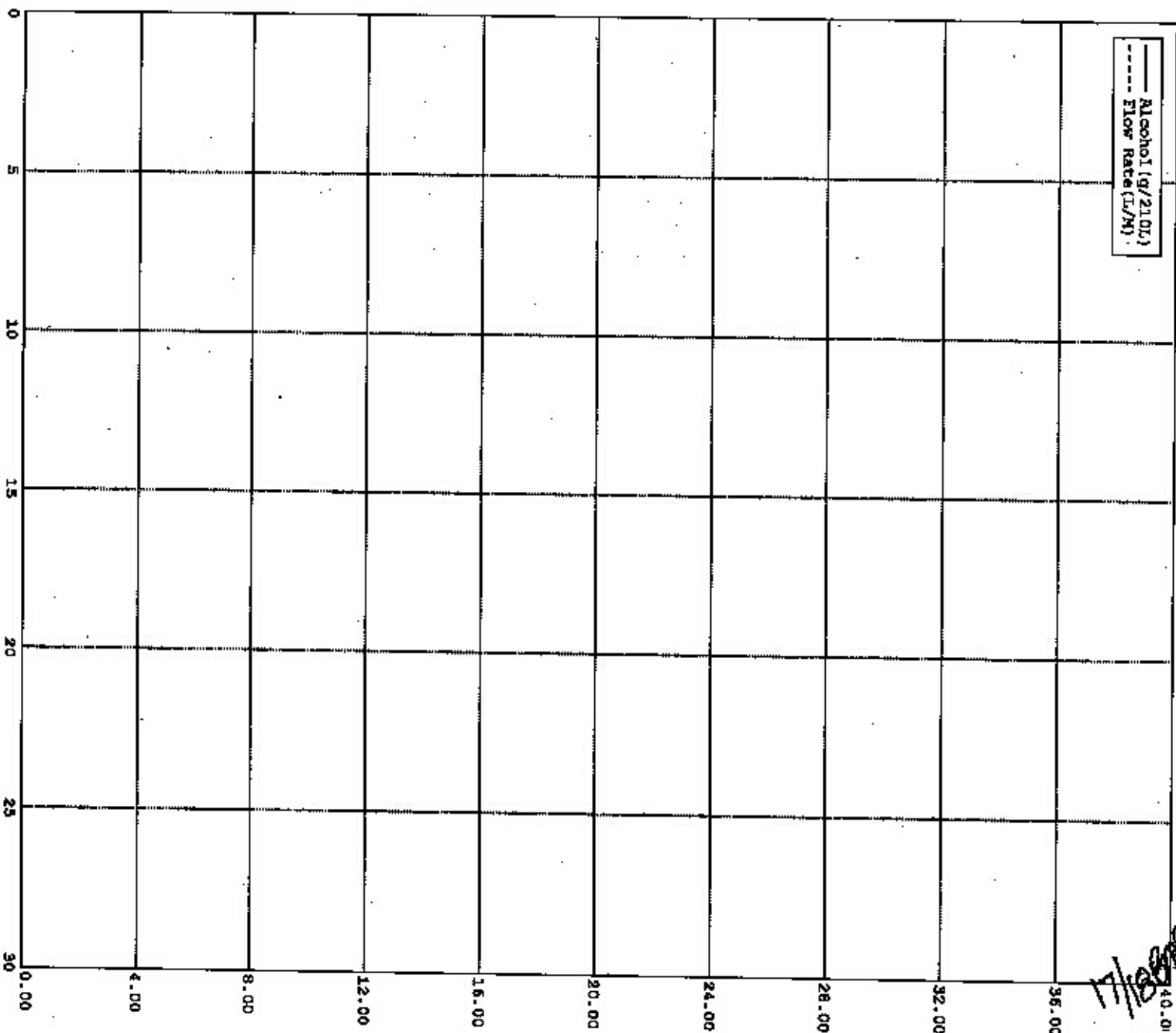
OPERATOR NAME:
RADIO INTERFERE
OPERATOR'S #: XXXX

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TOLERANCE AT 29.80: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK
BLANK TEST PASSED 08:52
INTERNAL STANDARD 0.000 08:52
EXTERNAL STANDARD 0.081 08:52
BLANK TEST 0.000 08:53

RFI Detected



11/1/2011

SUBJECT TEST

Alaska Department of Public Safety
DATABASE dnt: 100387

Date: 04/14/2011
Time: 09:50:21

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

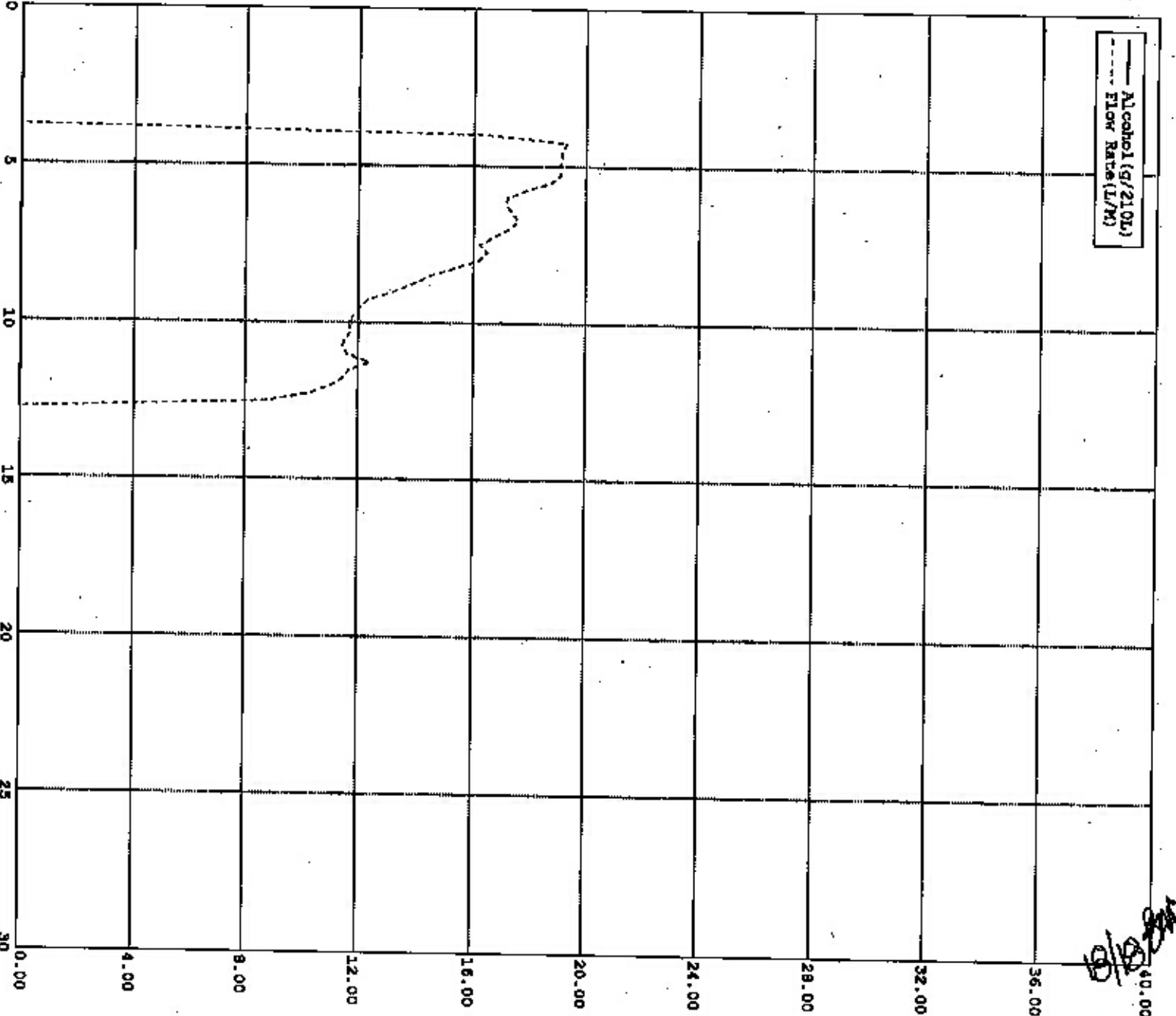
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.81: 0.079
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	09:51
BLANK TEST	0.000	09:51
INTERNAL STANDARD	VERIFIED	09:51
EXTERNAL STANDARD	0.081	09:52
BLANK TEST	0.000	09:52
SUBJECT SAMPLE	0.000	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.081	09:54
BLANK TEST	0.000	09:55

BMB



10/15/11

Final page for report

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