

DataMaster Certification Form

Issued: 04/04/2012
Effective: 04/04/2012

Version: DMCEF2012 R1
Status: Active

Instrument S/N 100382 Analyst Colleen O'Bryant Start Date 6/26/2012

Diagnostic 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 1400 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 07611020A4 Exp 03/01/2013

iii. 0.080g/210L Mnf ILMO Lot 02012080A1 Exp 03/01/2014

iv. 0.100g/210L Mnf ILMO Lot 0761100A3 Exp 03/01/2013

v. 0.200g/210L Mnf Guth Lot 11120 Exp 07/19/2013

1. Simulator S/N DR4163 Date Calibrated 08/18/2011

vi. 0.300g/210L Mnf Guth Lot 11110 Exp 07/13/2013

1. Simulator S/N SP1176 Date Calibrated 08/17/2011

5. Functional Tests (attached)

a. Incomplete

b. Invalid

c. Interference

i. Acetone - Mnf Guth Lot 11250 Level 0.100 Exp 12/06/2013

1. Simulator S/N SD1199 Date Calibrated 01/11/2012

ii. Isopropanol - Mnf Guth Lot 11193 Level 0.100 Exp 07/06/2013

1. Simulator S/N DR6267 Date Calibrated 01/10/2012

iii. Negative Control - Mnf Guth Lot 11220 Level 0.100 Exp 10/24/2013

1. Simulator S/N SD1202 Date Calibrated 08/17/2011

d. 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 06/29/2012

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100382

Date: 06/26/2012
Time: 07:49:36

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 46.5°C PASSED

PUMP INFO

Flow Rate = 5.377 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

07/02/12

Technician Screen

DATAMASTER dnt: 100382

Date: 06/26/2012
Time: 8:01 AM

Temperatures (°C)

Sample Cell: 48.8°C
Breath Tube: 46.5°C

Current Barometer 29.4 in
Volume (Ltr) 1.54

Settings

Lamp: 1.61 V
Bias: 80 V
Cooler: 1.68 V
Chopper: 546 Hz

Voltages (V)

Flow: 1.04 V
Detector: 0.043 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dat: 100382

Date: 03/08/2011
Time: 12:50:56

Ca	=	0.1000		
CAL	=	0.980421	0.800	<= CAL < 1.200
b1	=	0.0000	0.0000	<= b1 < 0.0040
b2	=	0.0038	0.0010	<= b2 < 0.0100
b3	=	0.0002	0.0000	<= b3 < 0.0040
Xg	=	0.0953	0.0500	<= Xg < 0.2000
a21	=	1.172812	1.050	<= a21 < 1.300
a31	=	0.453890	0.300	<= a31 < 0.800

03/17

SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dtd: 100382

Date: 06/26/2012
 Time: 08:04:01

SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST

OPERATOR NAME:
 COLLIER S OSBURN
 OPERATOR'S #: 6237

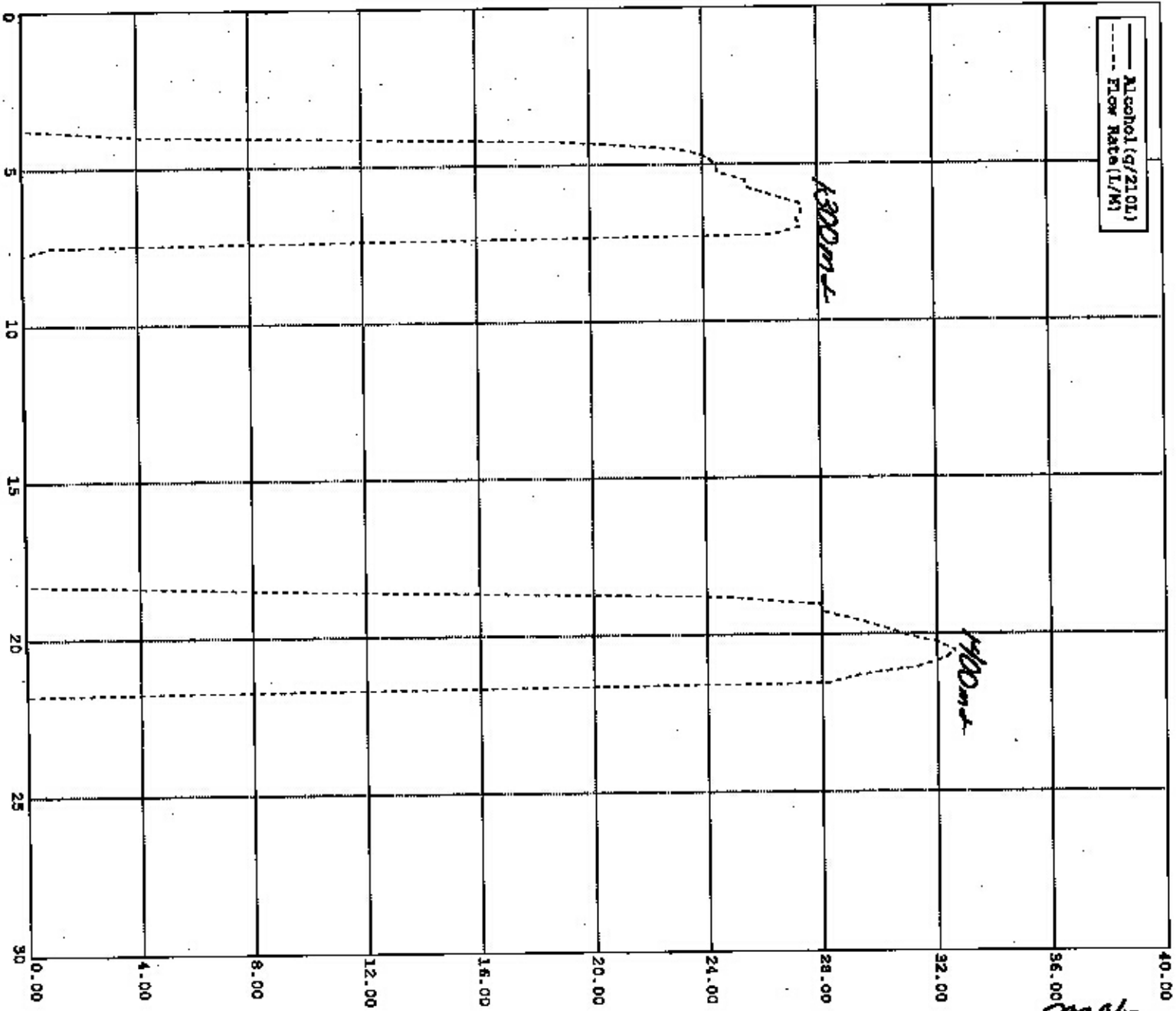
DEPT/AGENCY:
 AAU
 CASE/REPORT: 12-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.41: 0.078
 LOT #: 02012080A1
 EXPIRATION: 03/01/2014

TEST TYPE	RESULT	TIME
DINAMOSTIC CHECK	PASSED	08:05
BLANK TEST	0.000	08:05
INTERNAL STANDARD	VERIFIED	08:05
EXTERNAL STANDARD	0.078	08:05
BLANK TEST	0.000	08:06
SUBJECT SAMPLE	0.000	08:06
BLANK TEST	0.000	08:07
EXTERNAL STANDARD	0.078	08:08
BLANK TEST	0.000	08:08

COB



LINERILITY CHECK

Alaska Department of Public Safety
 INSTRUMENT num: 100382

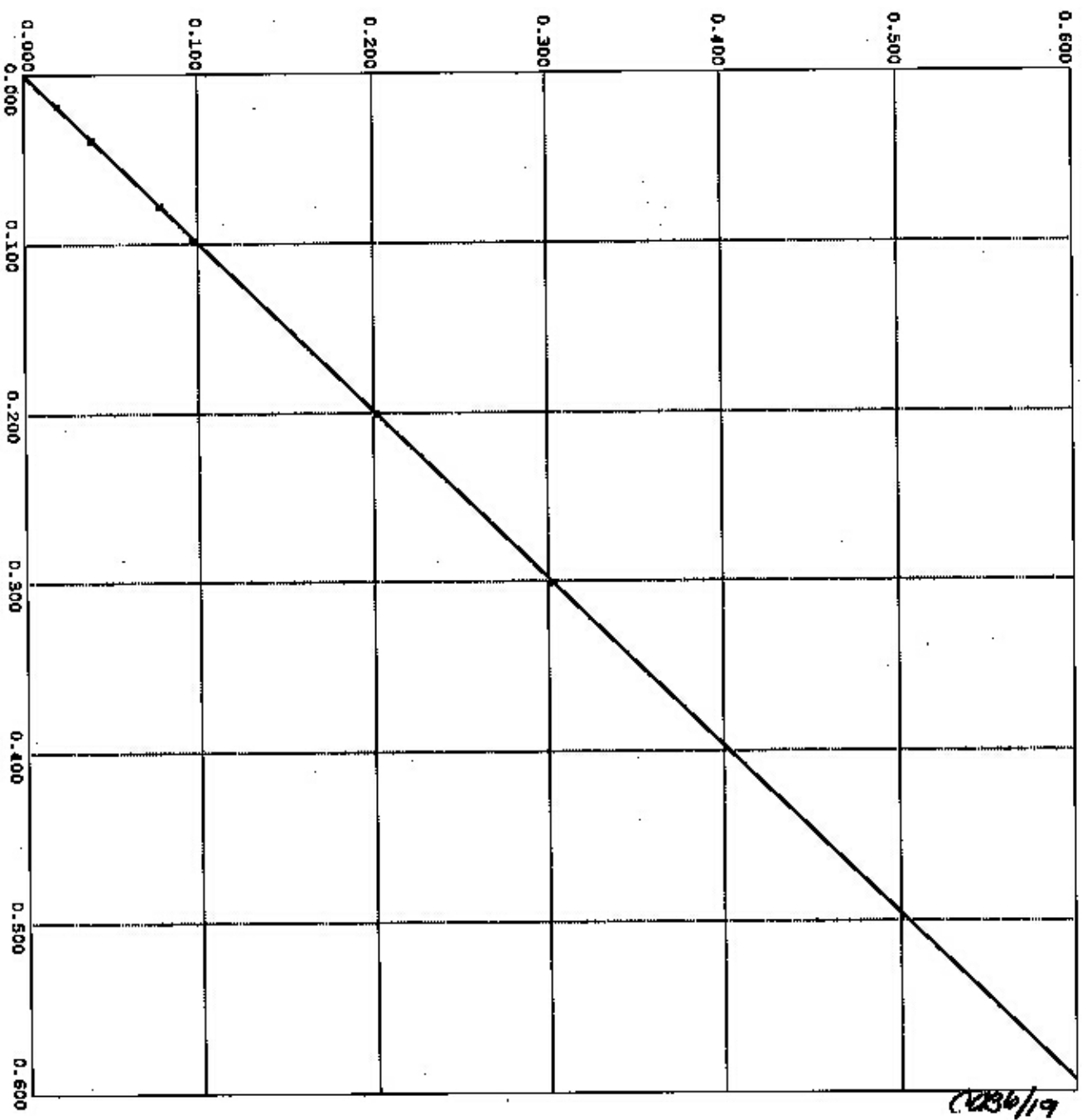
Date: 06/26/2012
 Time: 08:24:33

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0003
0.039	0.0396	0.0004
0.079	0.0787	0.0003
0.098	0.0983	0.0003
0.200	0.2026	0.0001
0.300	0.3036	0.0003

SLOPE = 1.01148
 R² = 0.999974

CRS



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dnt: 130382

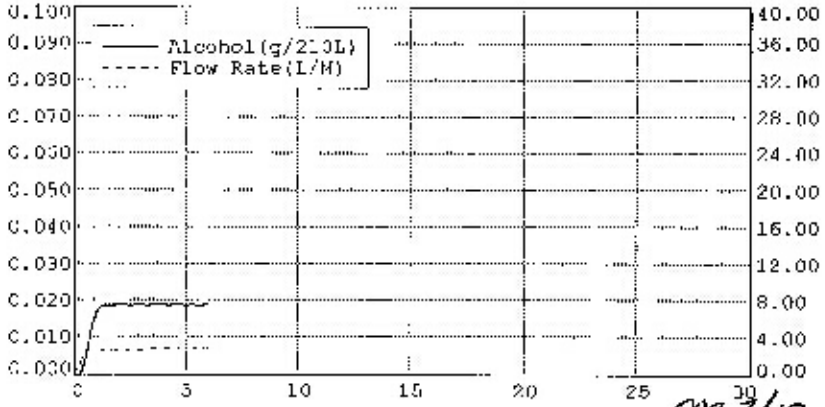
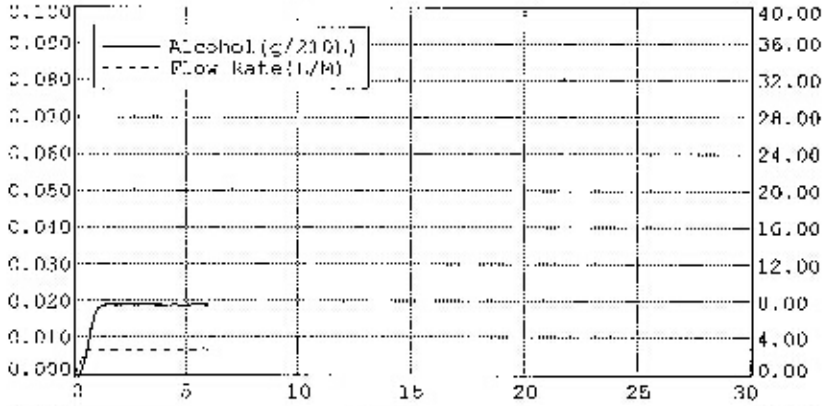
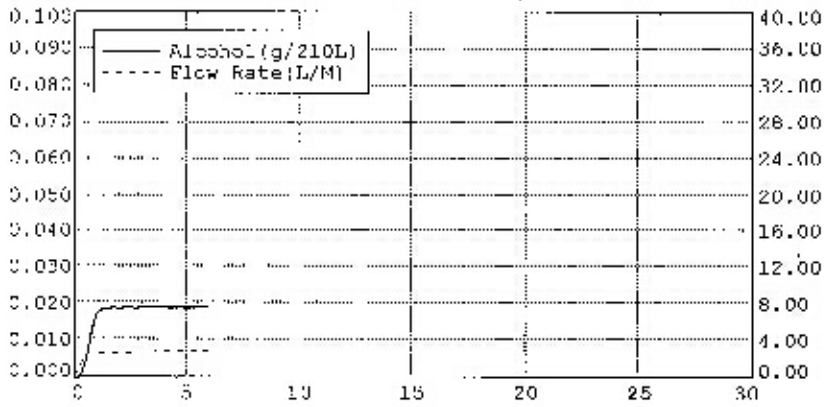
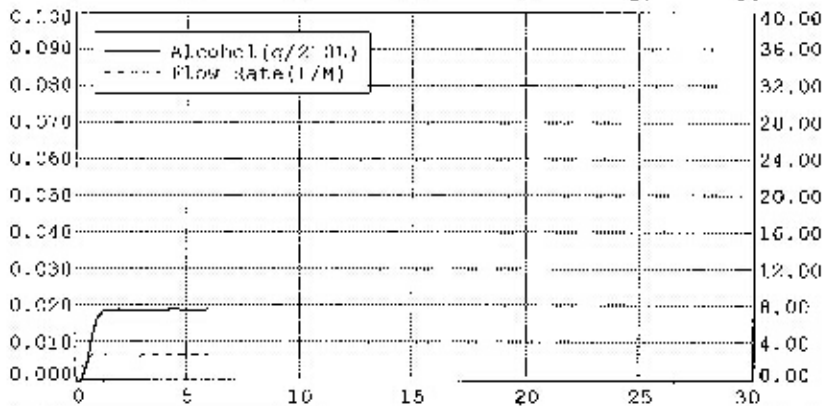
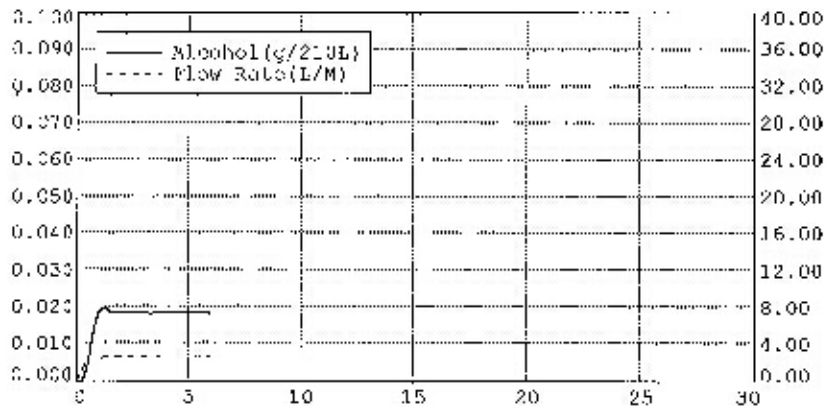
Date: 06/26/2012
 Time: 08:24:34

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.42: 0.019
 LOT #: 07611020A5
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:25
INTERNAL STANDARD	VERIFIED	08:25
EXTERNAL STANDARD	0.019	08:25
BLANK TEST	0.000	08:26
EXTERNAL STANDARD	0.020	08:27
BLANK TEST	0.000	08:27
EXTERNAL STANDARD	0.020	08:28
BLANK TEST	0.000	08:29
EXTERNAL STANDARD	0.020	08:29
BLANK TEST	0.000	08:30
EXTERNAL STANDARD	0.019	08:30
BLANK TEST	0.000	08:31

Average = 0.0200
 Std Dev = 0.0003



003 7/19

LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100382

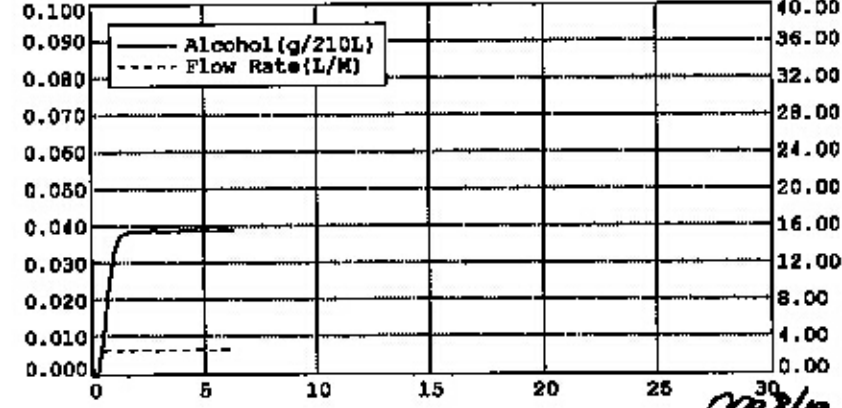
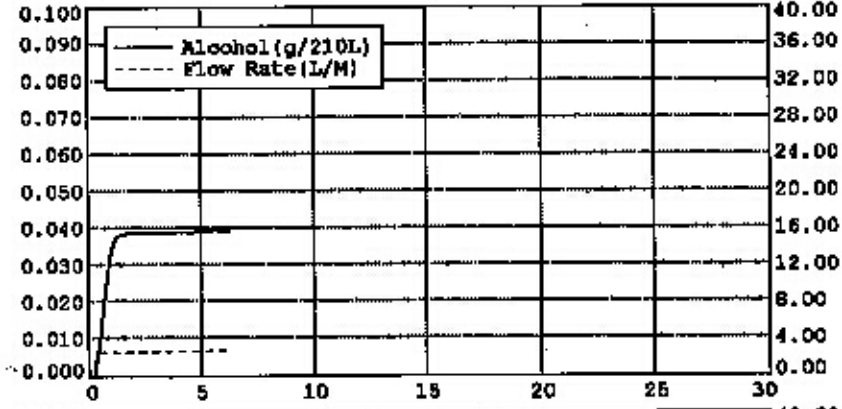
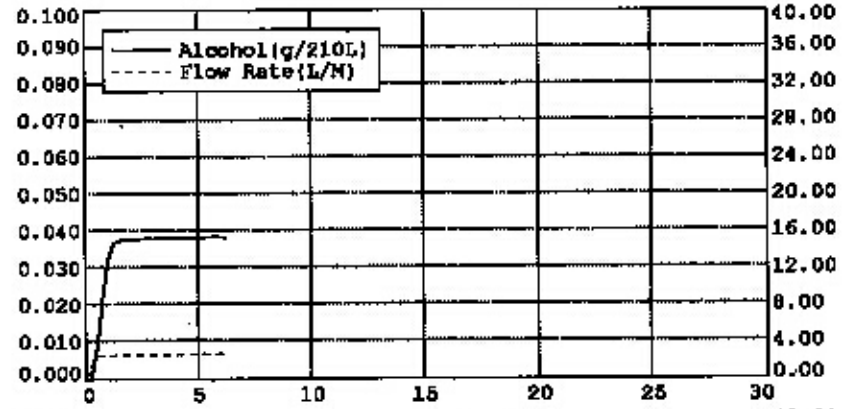
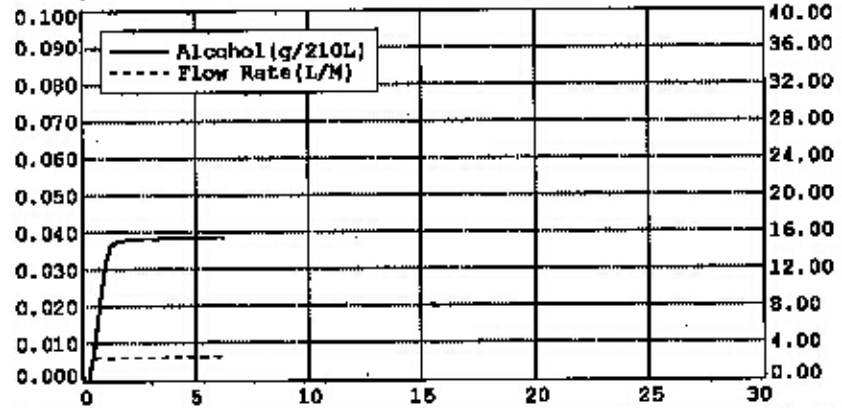
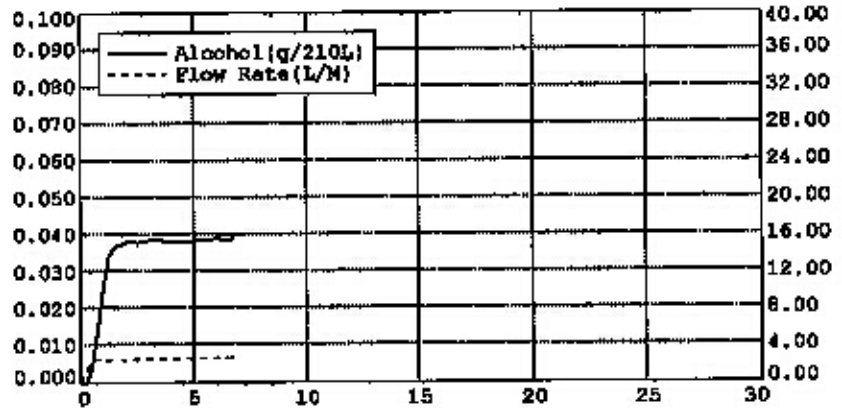
Date: 06/26/2012
 Time: 08:32:34

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.42: 0.039
 LOT #: 07611040A4
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:33
INTERNAL STANDARD	VERIFIED	08:33
EXTERNAL STANDARD	0.039	08:33
BLANK TEST	0.000	08:34
EXTERNAL STANDARD	0.039	08:35
BLANK TEST	0.000	08:35
EXTERNAL STANDARD	0.039	08:36
BLANK TEST	0.000	08:37
EXTERNAL STANDARD	0.040	08:37
BLANK TEST	0.000	08:38
EXTERNAL STANDARD	0.039	08:38
BLANK TEST	0.000	08:39

Average = 0.0396
 Std Dev = 0.0004



06/27/12

LINEARITY CHECK: Control Test 3

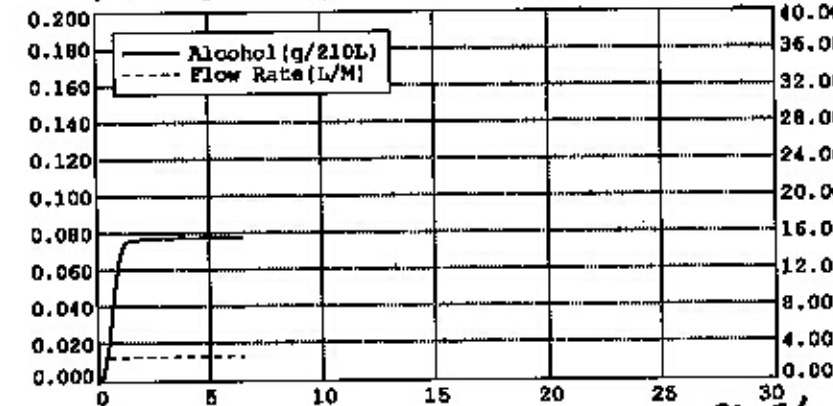
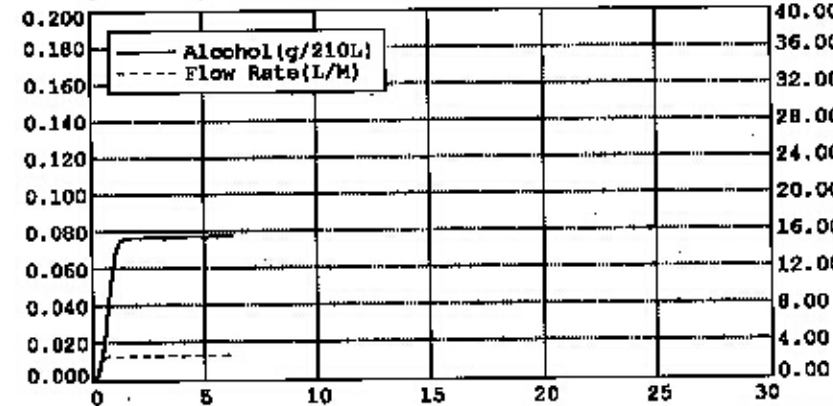
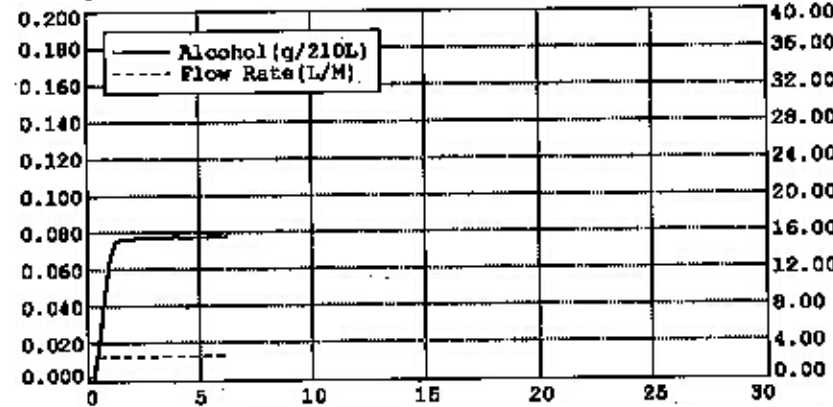
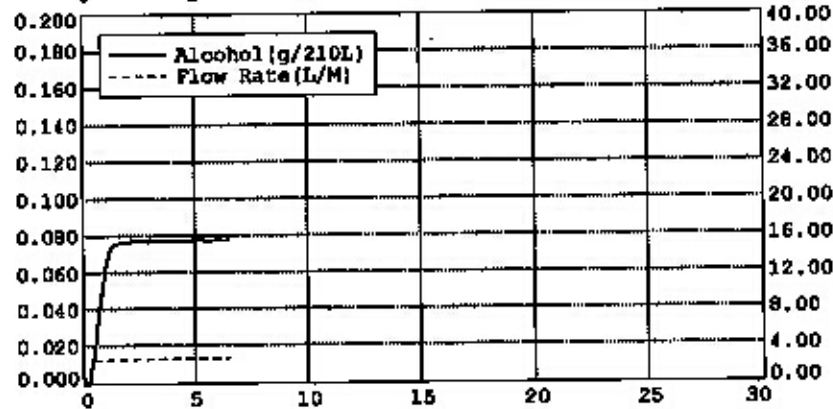
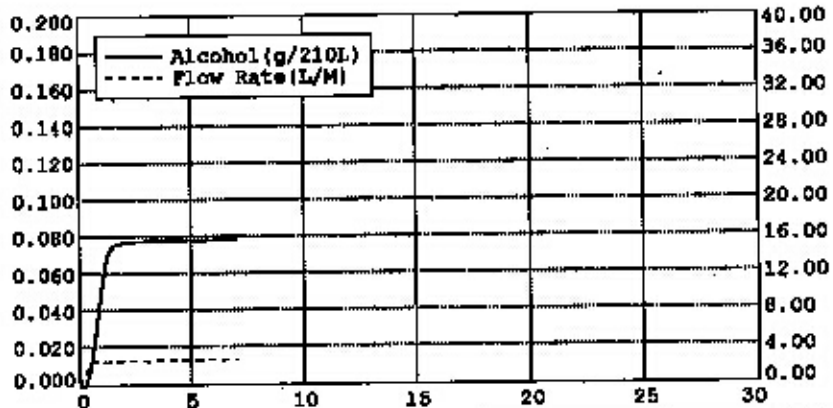
Alaska Department of Public Safety
 DATAMASTER dmt: 100382

Date: 06/26/2012
 Time: 08:41:03

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.42: 0.078
 LOT #: 02012080A1
 EXPIRATION: 03/01/2014

BLANK TEST	0.000	08:42
INTERNAL STANDARD	VERIFIED	08:42
EXTERNAL STANDARD	0.079	08:42
BLANK TEST	0.000	08:43
EXTERNAL STANDARD	0.078	08:43
BLANK TEST	0.000	08:44
EXTERNAL STANDARD	0.078	08:44
BLANK TEST	0.000	08:45
EXTERNAL STANDARD	0.078	08:45
BLANK TEST	0.000	08:46
EXTERNAL STANDARD	0.078	08:46
BLANK TEST	0.000	08:47

Average = 0.0787
 Std Dev = 0.0003



0089/19

LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATA MASTER dmt: 100382

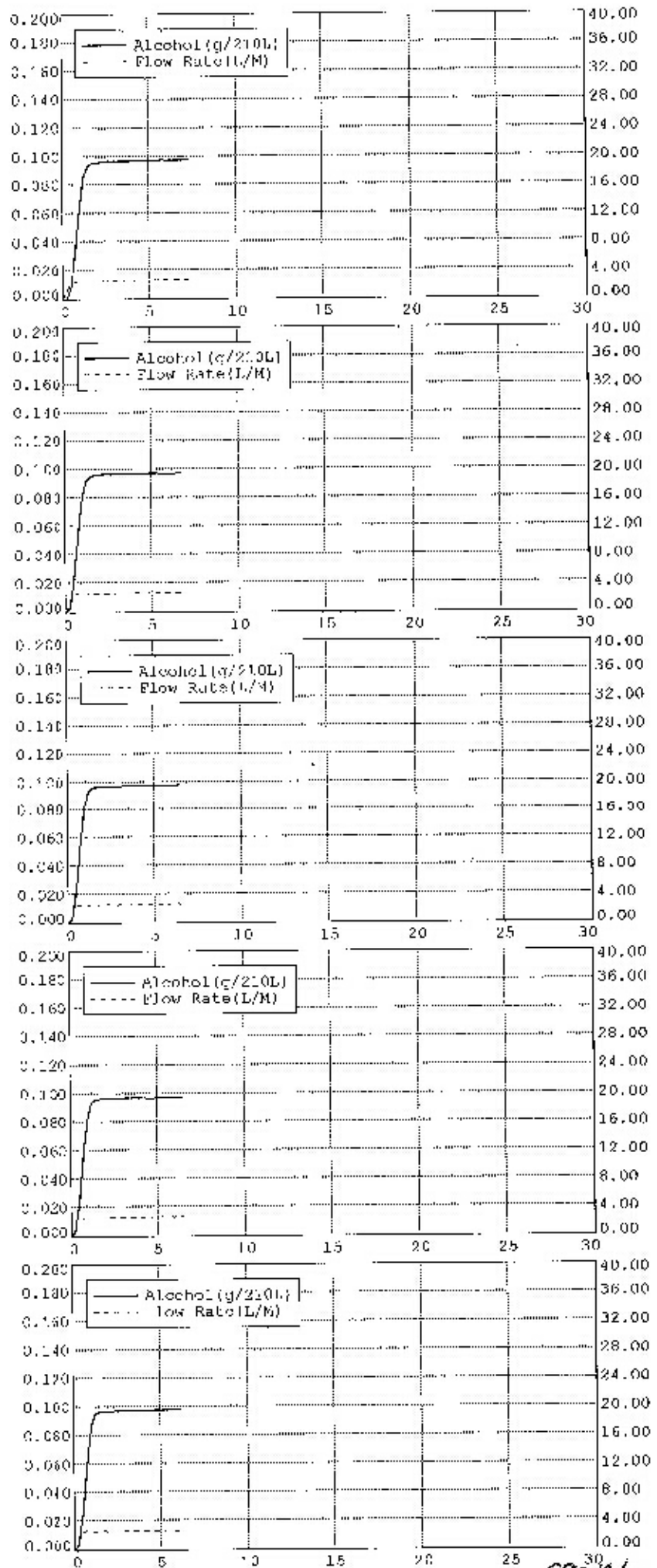
Date: 06/26/2012
 Time: 09:08:39

EXTERNAL STANDARD INFORMATION

NOMINAT: 0.100
 TARGET AT 29.42: 0.090
 LOT #: 07611100A3
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	09:11
INTERNAL STANDARD	VERIFIED	09:11
EXTERNAL STANDARD	0.098	09:11
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.097	09:12
BLANK TEST	0.000	09:13
EXTERNAL STANDARD	0.098	09:13
BLANK TEST	0.000	09:14
EXTERNAL STANDARD	0.098	09:14
BLANK TEST	0.000	09:15
EXTERNAL STANDARD	0.098	09:16
BLANK TEST	0.000	09:16

Average = 0.0983
 Std Dev = 0.0003



06/30/12

LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dnt: 100382

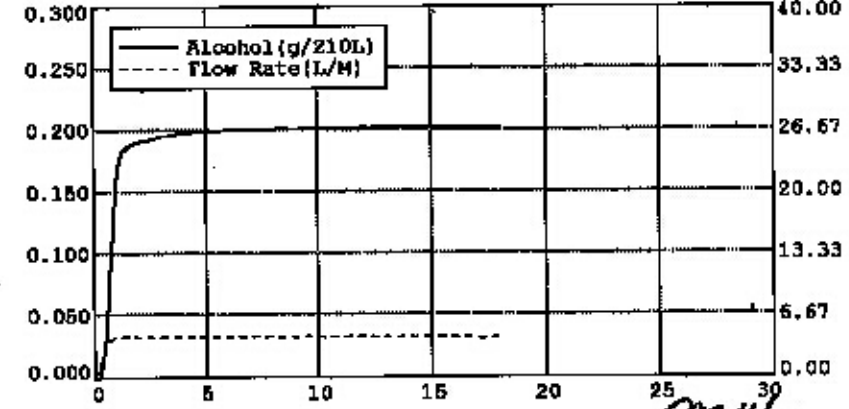
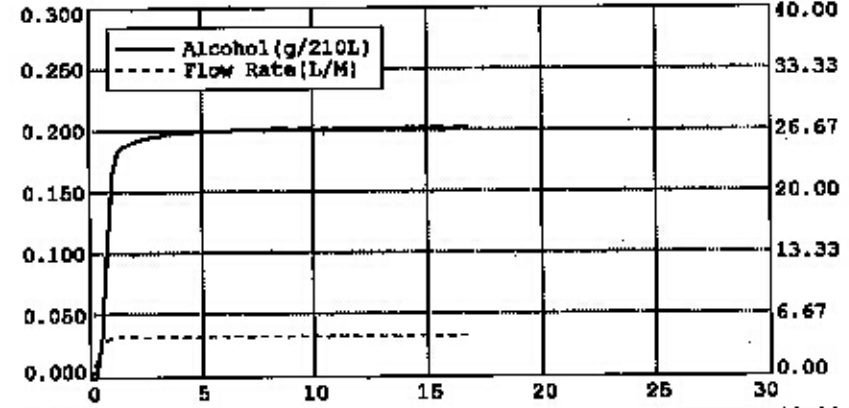
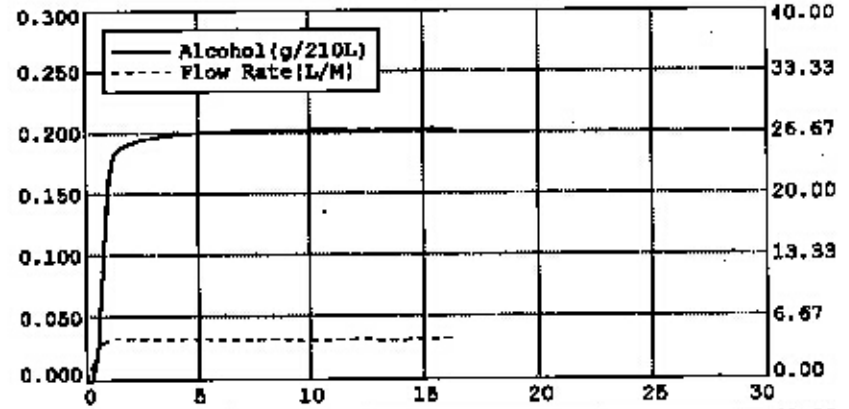
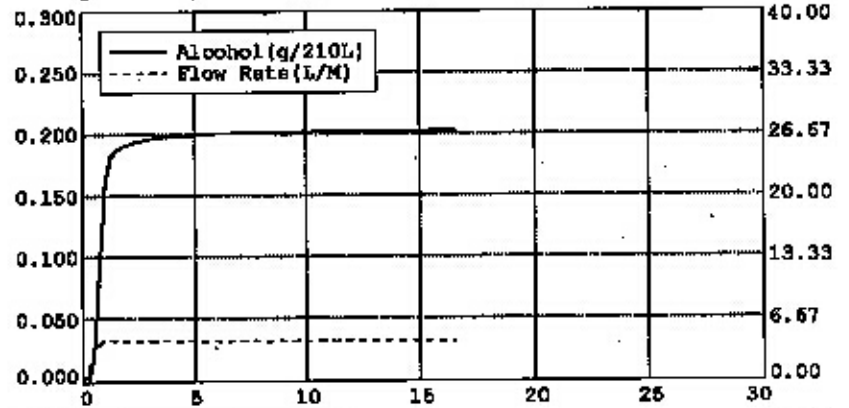
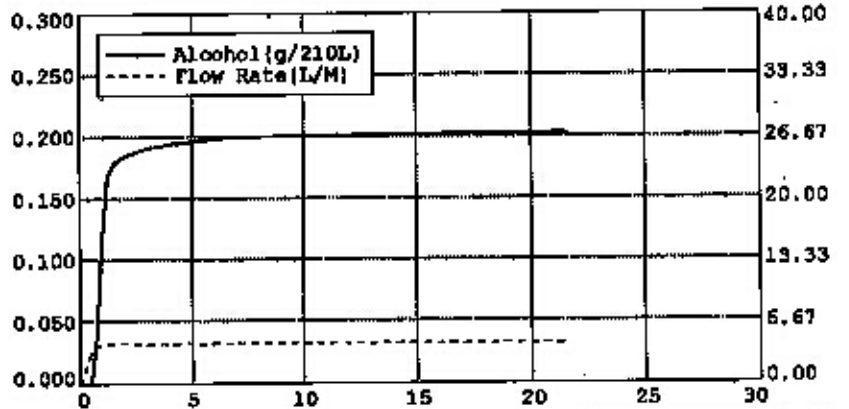
Date: 06/26/2012
 Time: 10:09:46

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	10:11
INTERNAL STANDARD	VERIFIED	10:11
EXTERNAL STANDARD	0.202	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.202	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.202	10:14
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.202	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.202	10:17
BLANK TEST	0.000	10:18

Average = 0.2026
 Std Dev = 0.0001



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER dmt: 100382

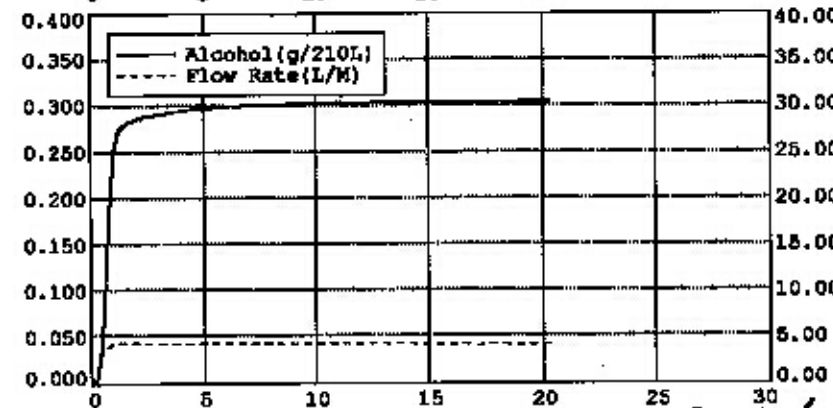
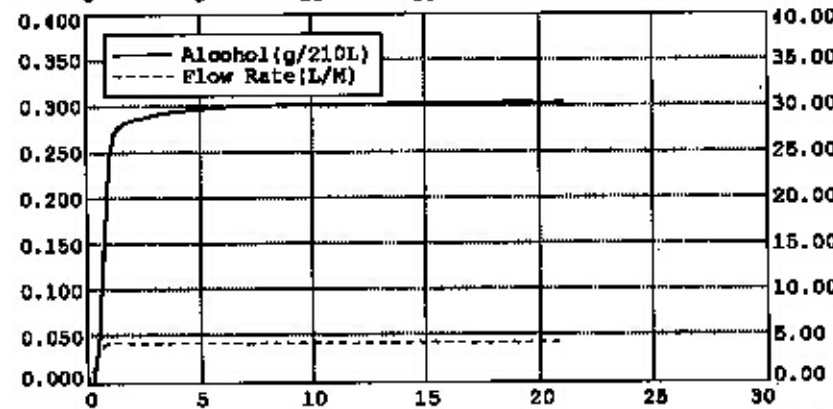
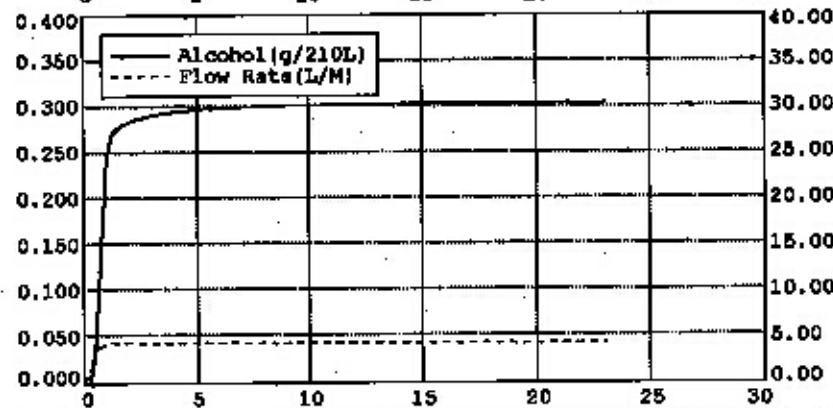
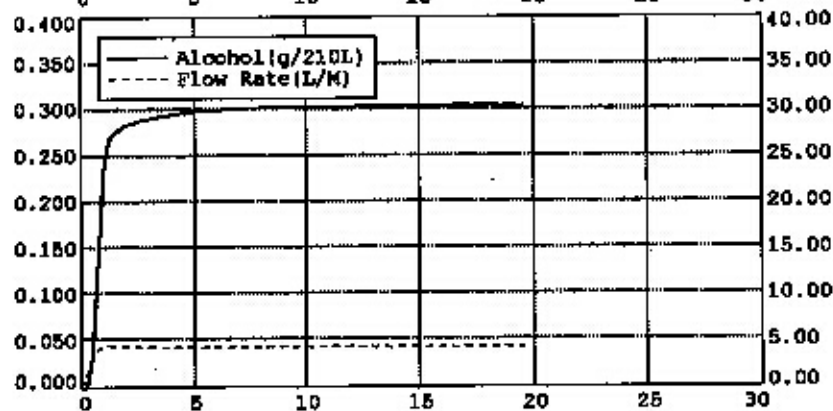
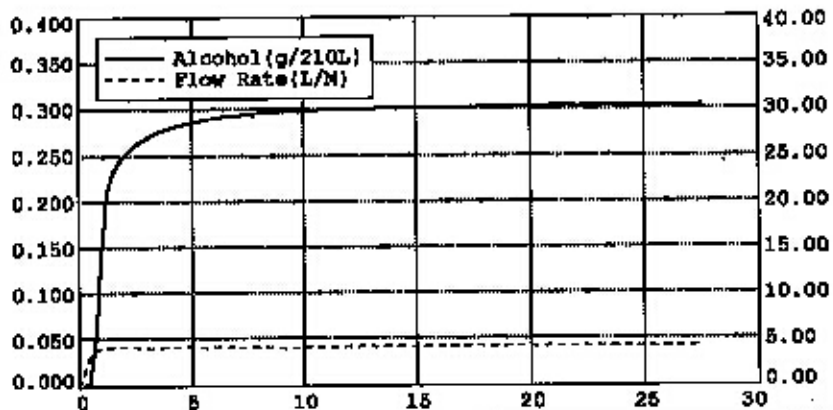
Date: 06/26/2012
 Time: 10:24:05

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 LOT #: 11110
 EXPIRATION: 07/13/2013

BLANK TEST	0.000	10:25
INTERNAL STANDARD	VERIFIED	10:25
EXTERNAL STANDARD	0.303	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.303	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.303	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.303	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.303	10:31
BLANK TEST	0.000	10:32

Average = 0.3036
 Std Dev = 0.0003



00812/19

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100382

Date: 06/26/2012
 Time: 11:11:21

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

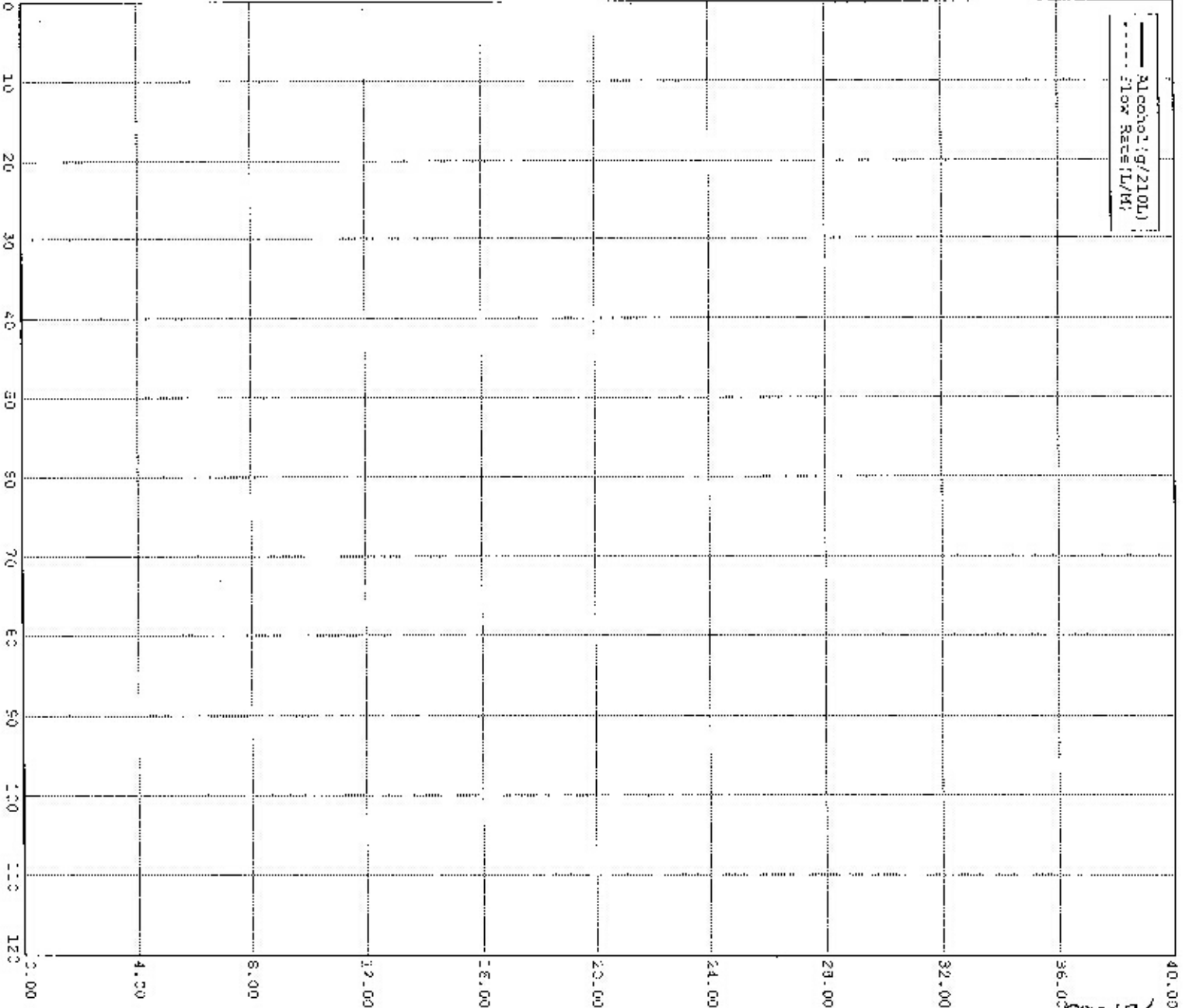
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAAL
 CASE/REPORT: 12-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AF 29.44: 0.078
 LOP #: 02012082A-
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	11:19
BIANK TEST	0.000	11:19
INTERNAL STANDARD	VERIFIED	11:19
EXTERNAL STANDARD	0.077	11:19
BIANK TEST	0.000	11:20
SUBJECT SAMPLE	INCOMPLETE	11:22



07/13/12

SUBJECT TEST

Alaska Department of Public Safety
 DATA/MASTER dms: 120382

Date: 06/26/2012
 Time: 14:17:15

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

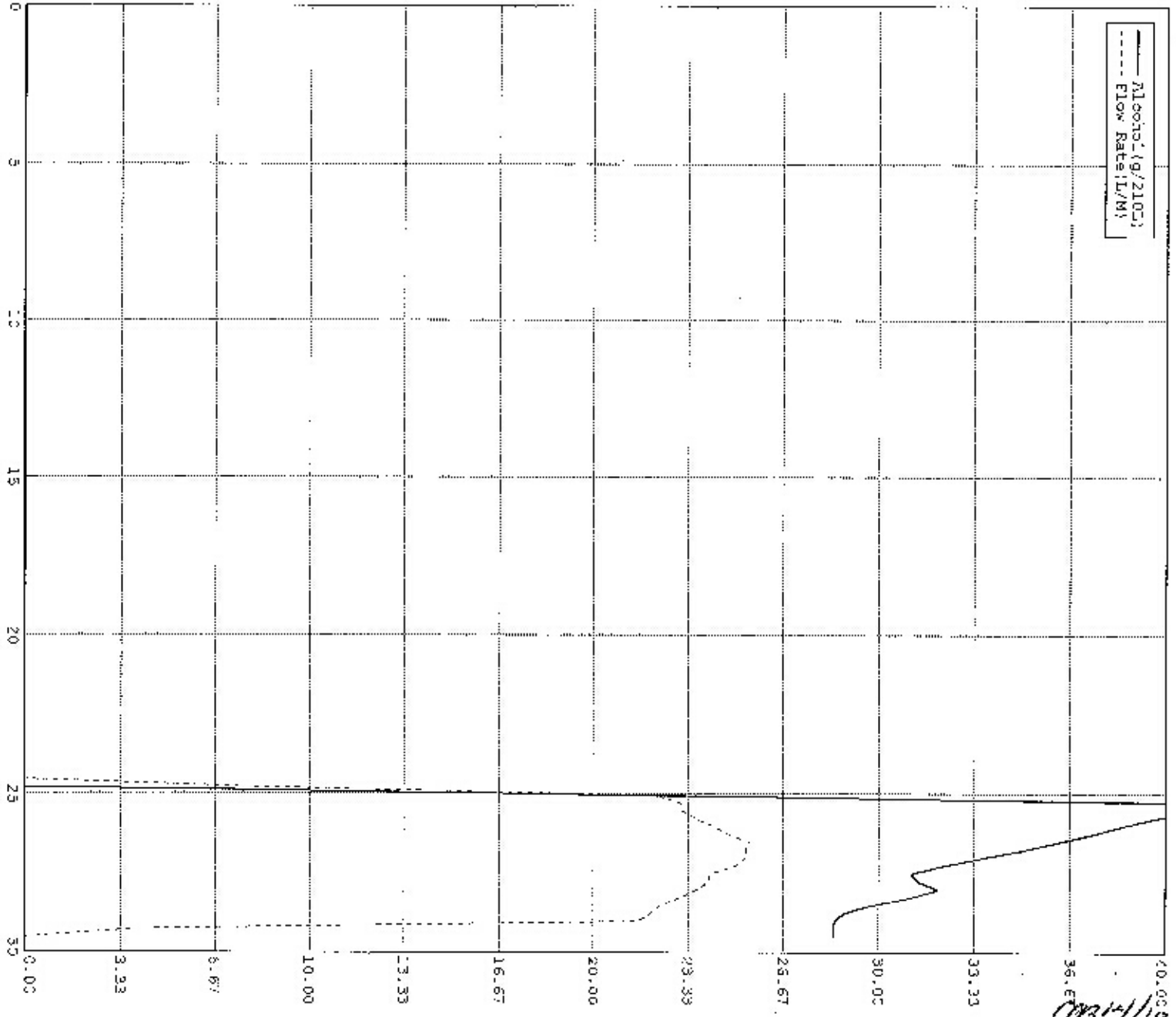
OPERATOR NAME:
 COLLEEN S BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AA01
 CASE/REPORT: 12-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAT: C.080
 TARGET AT 25.4s: C.078
 LOT #: C2012080A1
 EXPIRATION: 03/31/2014

DIAGNOSTIC CHECK	PASS/F	TIME
BLANK TEST	0.000	14:18
INTERNAL STANDARD	VERIFIED	14:18
EXTERNAL STANDARD	0.079	14:19
BLANK TEST	0.000	14:20
SUBJECT SAMPLE	INVALID	14:21

CS



CS 12/19

SUBJECT TEST

Alaska Department of Public Safety
DATE/TIME: 06/26/2012 14:50:07

DATE: 06/26/2012
TIME: 14:50:07

SUBJECT NAME:
TEST TEST
LICENSE #: INT-ACE7096

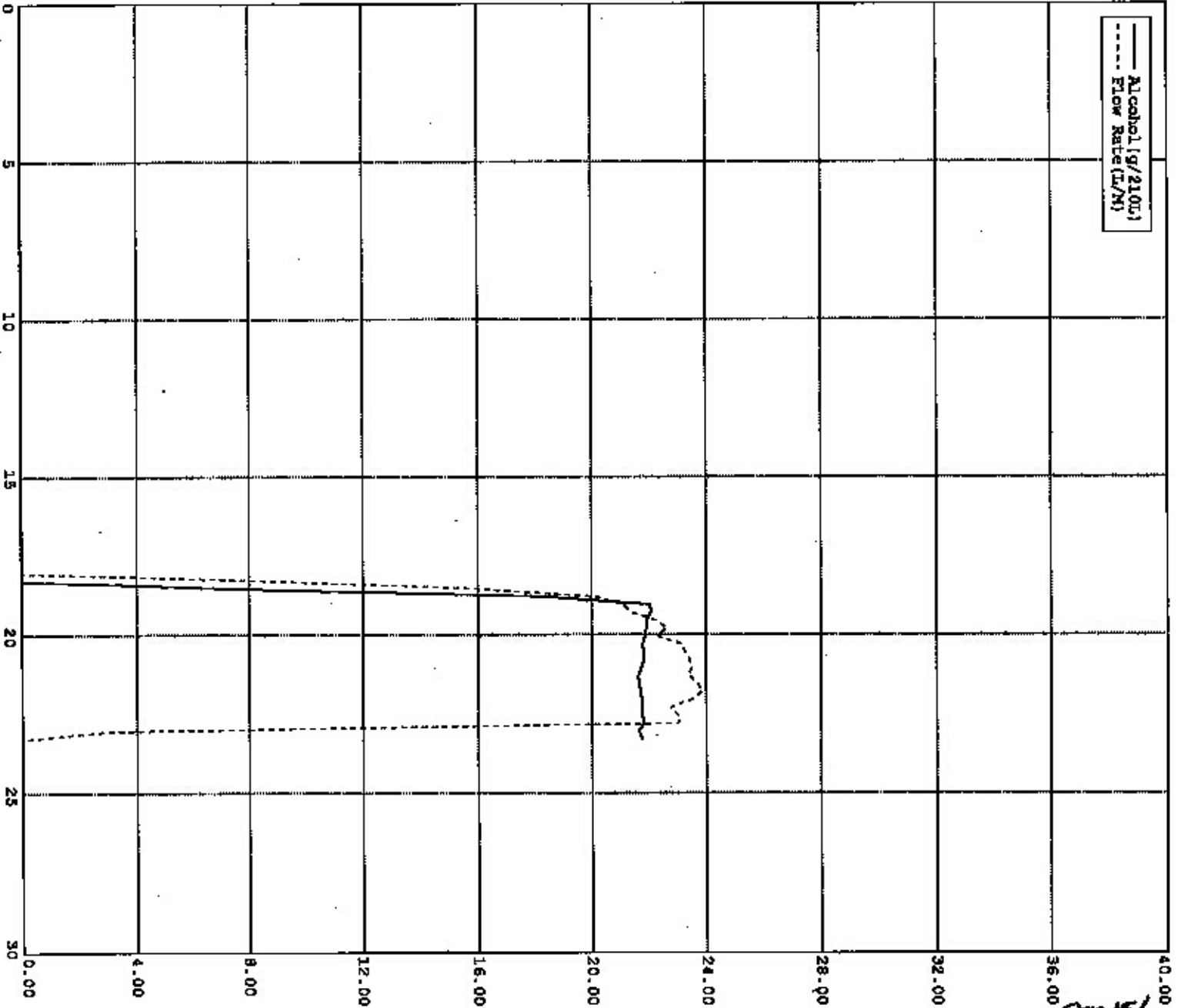
OPERATOR NAME:
COLLEEN S BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.43: 0.076
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK PASSED 14:51
BLANK TEST 0.000 14:51
INTERNAL STANDARD VERIFIED 14:51
Xq = 0.096 (0.55%)
EXTERNAL STANDARD 0.079 14:51
X[1] = 0.0797 (0.0019) (0.0007)
BLANK TEST 0.000 14:52
SUBJECT SAMPLE INTERFERENCE 14:52
X[1] = 0.1091 (-0.0176) (-0.0009)

CS



CS 15/0

SUBJECT TEST

Alaska Department of Public Safety
INVESTIGATOR dmc: 100382

Date: 06/26/2012
Time: 14:27:02

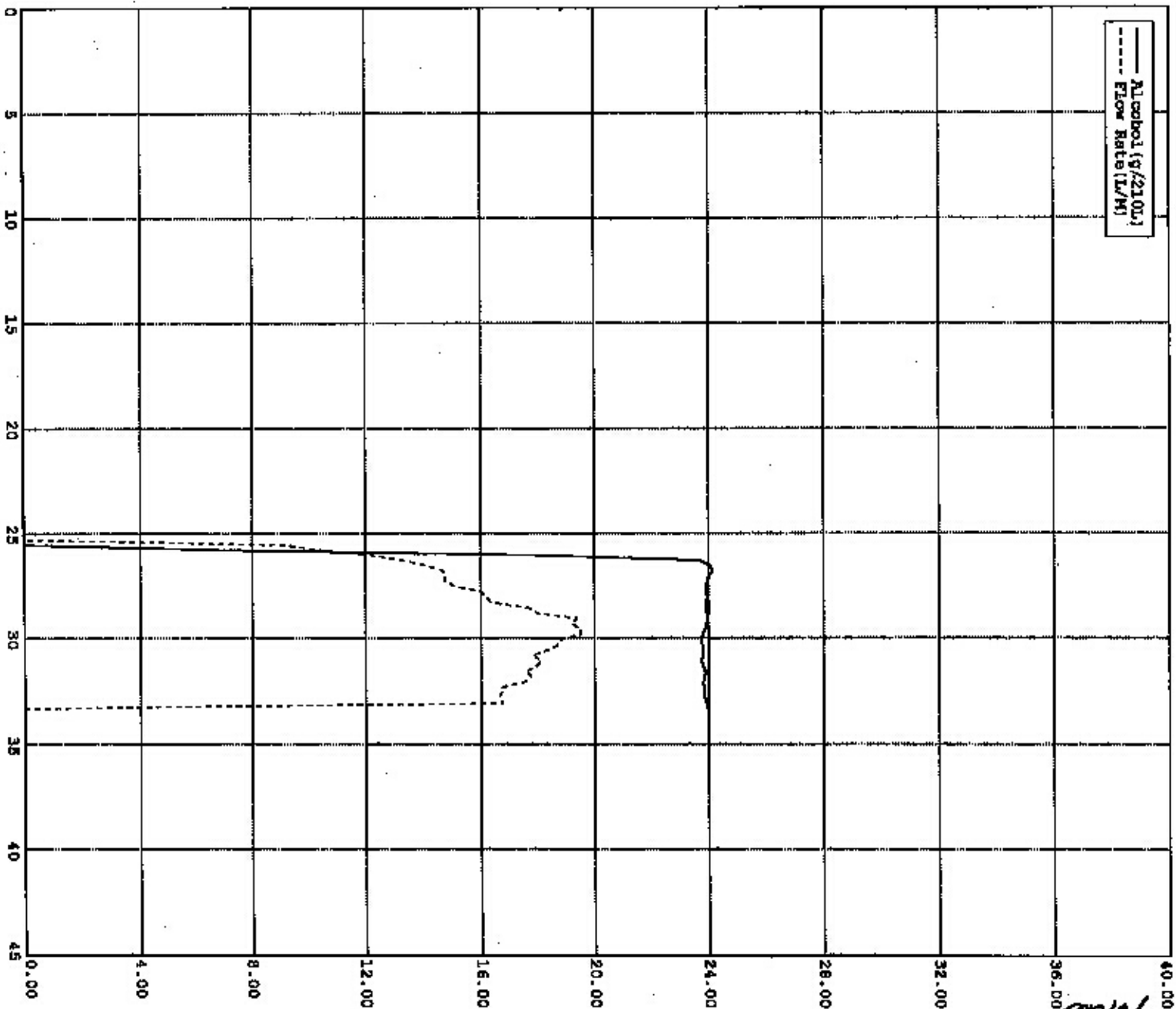
SUBJECT NAME:
TEST TEST
LICENSE #: IMPER TPA
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAAI
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AE 29.44: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK PASSED 14:28
BLANK TEST 0.000 14:28
INTERNAL STANDARD VERIFIED 14:29
Xq = 0.096 (0.37%)
EXTERNAL STANDARD 0.078 14:29
X[1] = 0.0786 (0.0018) (0.0000)
BLANK TEST 0.000 14:30
SUBJECT SAMPLE INTERFERENCE 14:30
X[1] = 0.1202 (-0.0282) (0.0012)

CAB



00310/19

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100382

Date: 06/26/2012
 Time: 14:42:33

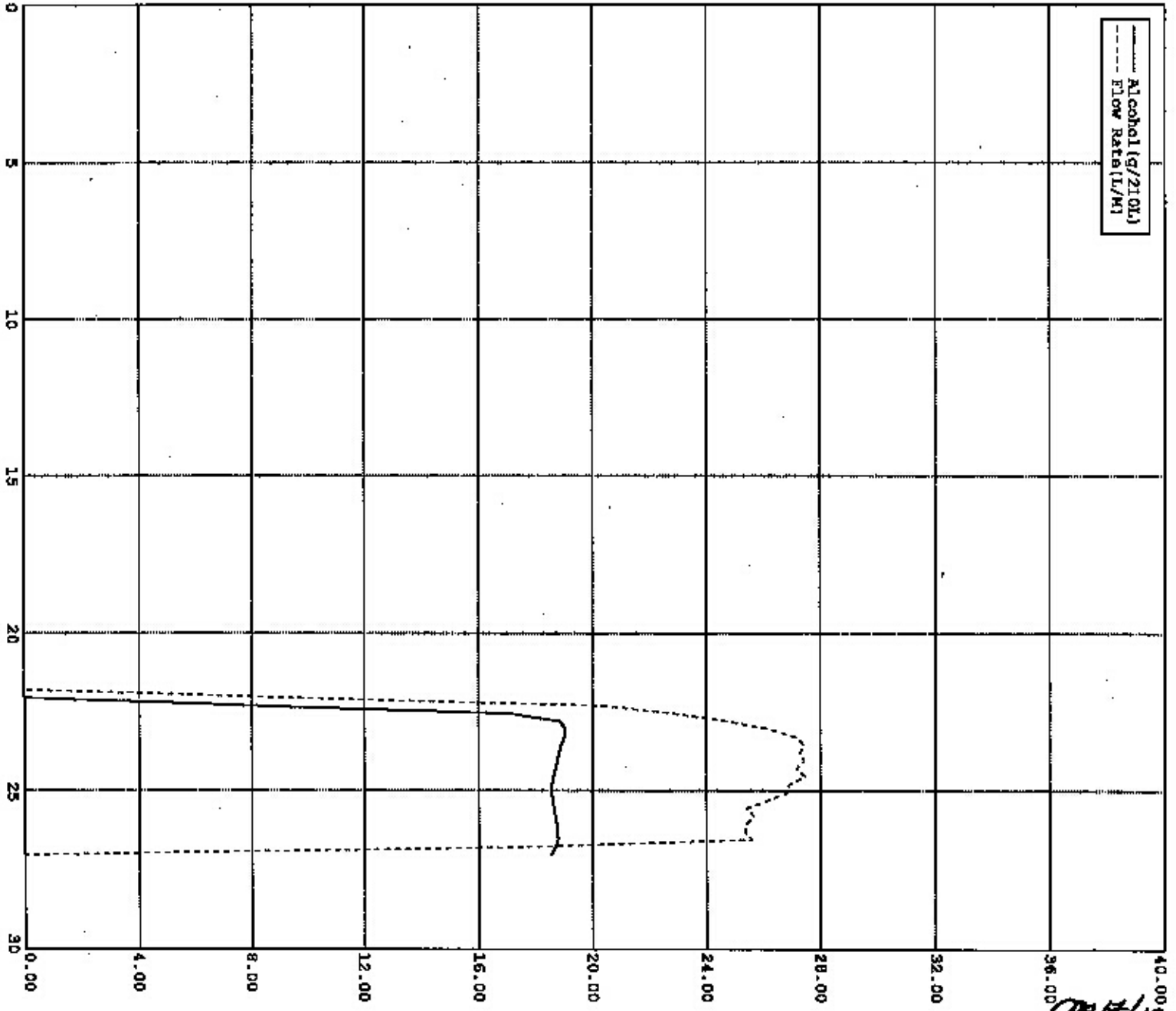
SUBJECT NAME:
 TEST TEST
 LICENSE #: INT-MEG
 OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAAA
 CASE/REPORT: 12-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.43: 0.078
 ICF #: 0201208021
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK PASSED 14:43
 BLANK TEST 0.000 14:43
 INTERNAL STANDARD VERIFIED 14:43
 Xg = 0.094 (1.10%)
 EXTERNAL STANDARD 0.077 14:44
 X [2] = 0.0776 (-0.0017) (0.0010)
 BLANK TEST 0.000 14:45
 SUBJECT SAMPLE (Vol=2.08L) 0.093 14:45
 X [1] = 0.0934 (-0.0006) (-0.0004)
 BLANK TEST 0.000 14:46
 EXTERNAL STANDARD 0.077 14:46
 X [1] = 0.0779 (0.0014) (0.0010)
 BLANK TEST 0.000 14:47

OK



06/27/12

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dnt: 100382

Date: 06/26/2012
Time: 15:03:50

SUBJECT NAME:
TEST TEST
LICENSE #: RFI

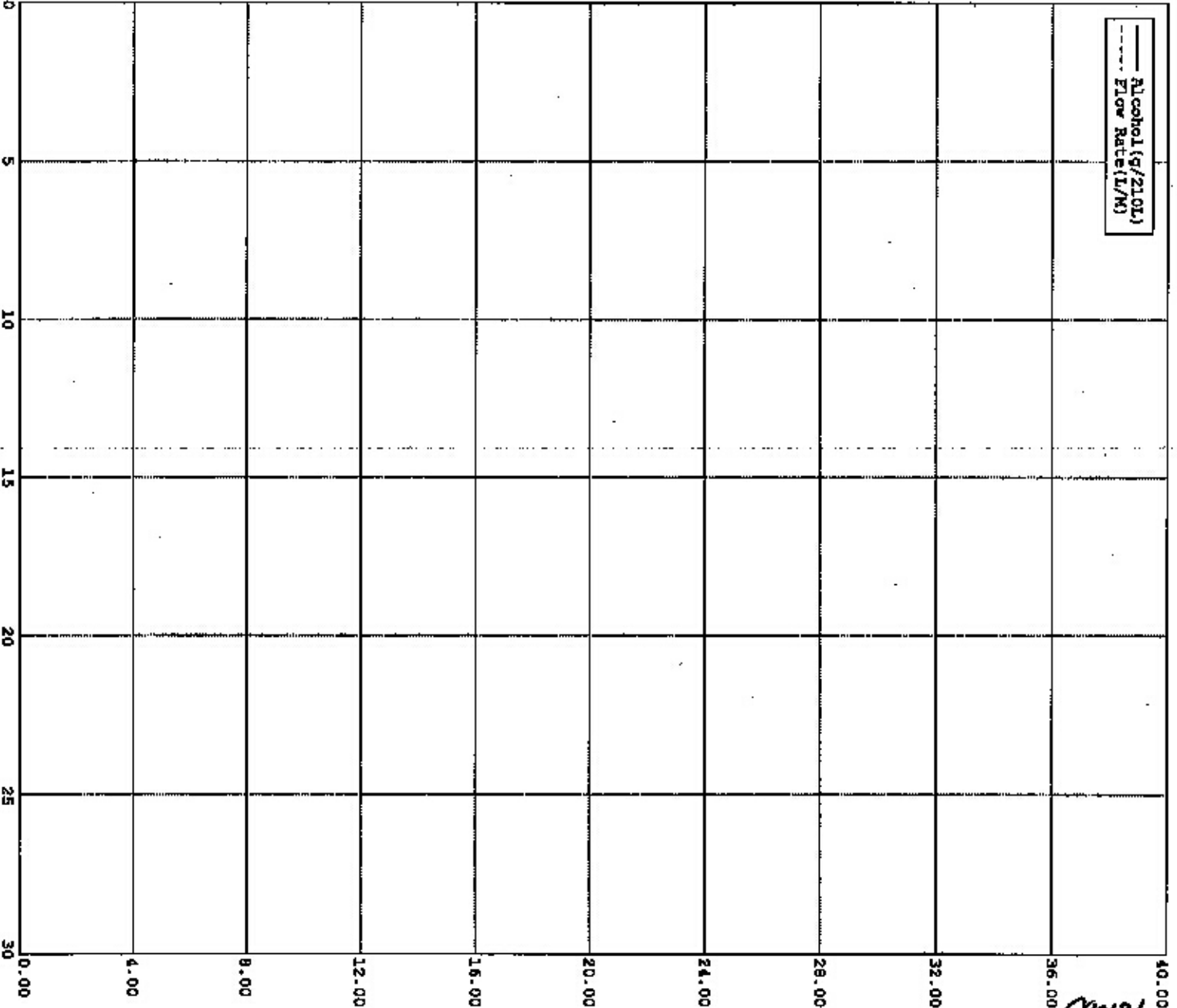
OPERATOR NAME:
COLLEEN S BRYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.43: 0.078
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK
BLANK TEST PASSED 15:17
INTERNAL STANDARD VERIFIED 15:17
EXTERNAL STANDARD 0.078 15:17
BLANK TEST 0.000 15:18

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
DATAWASTER dnm: 100382

Date: 06/29/2012
Time: 12:22:44

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

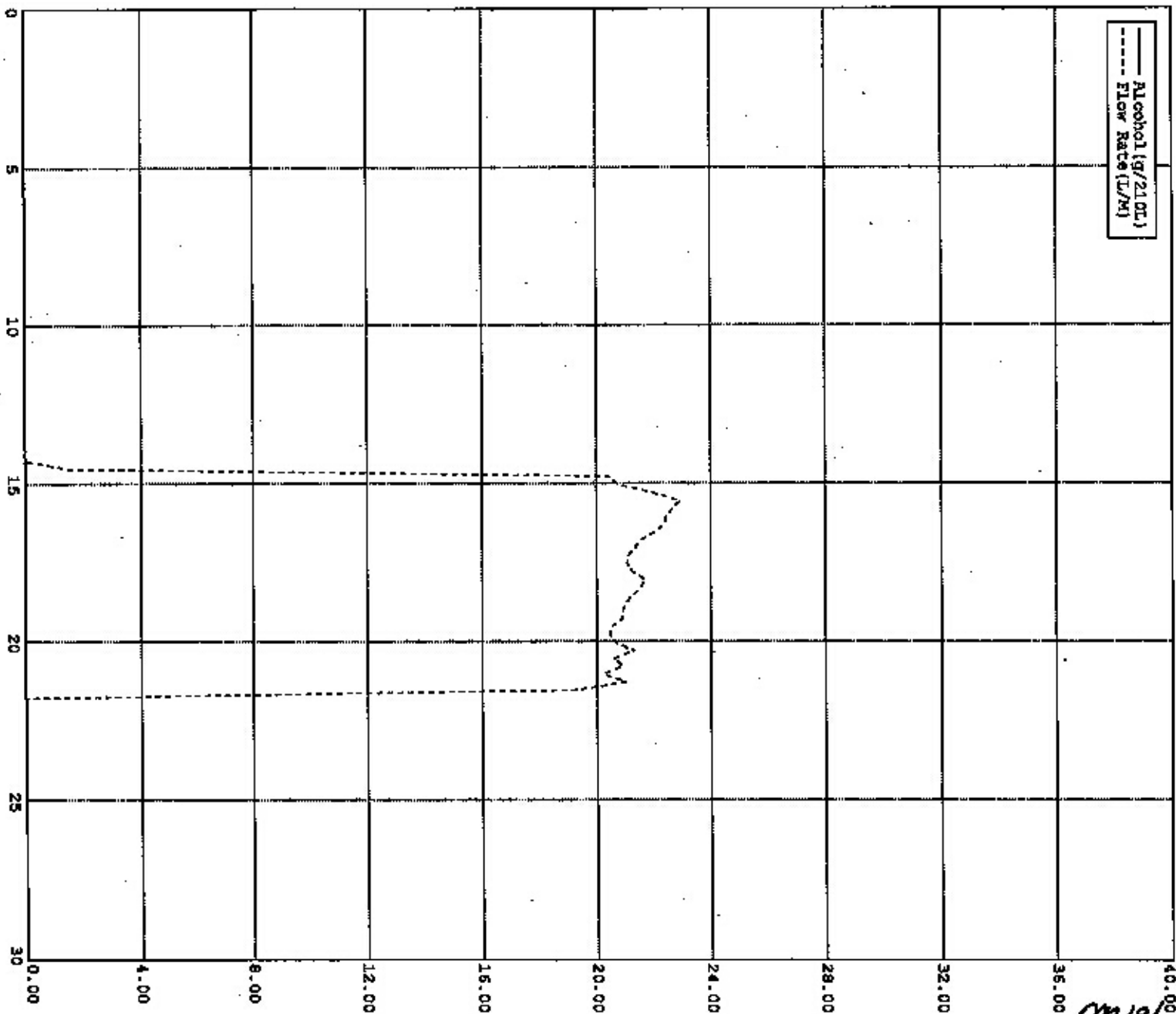
OPERATOR NAME:
COLLEEN S OBRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAAI
CASE/REPORT: 12-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	EMBED	12:24
BIANK TEST	0.000	12:24
INTERNAL STANDARD	VERIFIED	12:24
EXTERNAL STANDARD	0.079	12:24
BIANK TEST	0.000	12:25
SUBJECT SAMPLE	0.000	12:25
BIANK TEST	0.000	12:26
EXTERNAL STANDARD	0.079	12:27
BIANK TEST	0.000	12:27

CBS



CBS 6/29/12

Final page for report

\

VANCCLSAN01\JTRAX\CASEDOCS\B-100382\B-100382_ECF-20140

7/3/2014