

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

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

Version: DMCEF2012-R1
Status: Active

Instrument S/N 100391 Analyst Colleen O' Bryant Start Date 5/14/12
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 1600 mL (1.3L to 1.7L)

4. Linearity Test (attached)

a. Levels Used i. 0.020g/210L Mnf TLMO Lot 07611020A5 Exp 03/01/2013ii. 0.040g/210L Mnf TLMO Lot 07611040A4 Exp 03/01/2013iii. 0.080g/210L Mnf TLMO Lot 02012080A1 Exp 03/01/2014iv. 0.100g/210L Mnf TLMO 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 DR4176 Date Calibrated 02/21/2012

5. Functional Tests (attached)

a. Incomplete b. Invalid c. Interference i. Acetone - Mnf Guth Lot 11200 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 01/10/2012iii. Negative Control - Mnf Guth Lot 11250 Level 0.100 Exp 12/08/20131. Simulator S/N CD1202 Date Calibrated 08/17/2011d. 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 5/15/2012

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dnt: 100391

Date: 05/14/2012
Time: 10:12:54

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
Breath Tube = 48.1°C PASSED

PUMP INFO

Flow Rate = 4.463 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

Technician Screen

DATAMASTER dnt: 100391

Date: 05/14/2012
Time: 10:23 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 48.0°C

Current Barometer 29.9 in
Volume (Ltr) 1.47

Settings
Lamp: 1.70 V
Bias: 80 V
Cooler: 1.69 V
Chopper: 538 Hz

Voltages (V)
Flow: 1.05 V
Detector: -0.027 V

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100391

Date: 07/26/2011
Time: 15:18:00

OPERATOR NAME:
CHARLES FOSTER
CERTIFICATE #: 7734

LOT #: 11050
BOTTLE #: 481
EXPIRATION: 04/06/2013

Ca	=	0.1000		
CAL	=	0.972426	0.800	<= CAL < 1.200
b1	=	0.0001	0.0000	<= b1 < 0.0040
b2	=	0.0047	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0883	0.0500	<= Xq < 0.2000
a21	=	1.231540	1.050	<= a21 < 1.300
a31	=	0.487870	0.300	<= a31 < 0.800

SUBJECT TEST

Alaska Department of Public Safety
 DATANUMBER dmt: 100391

Date: 05/14/2012
 Time: 10:32:57

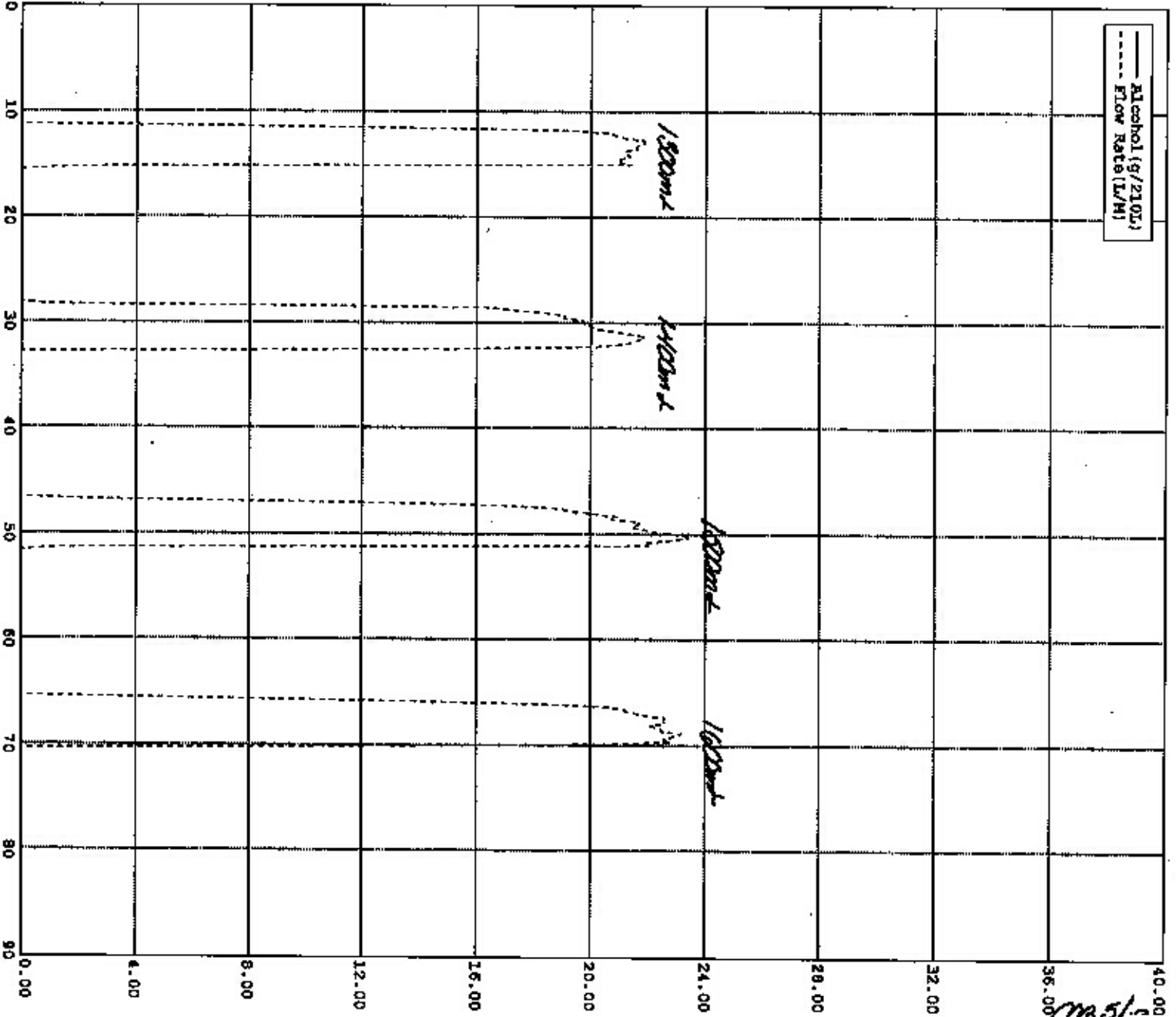
SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST
 OPERATOR NAME:
 COLLEEN S OHRYANT
 OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.89: 0.079
 LOT #: 02012080A1
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	TIME
BIANK TEST	0.000	10:33
INTERNAL STANDARD	0.000	10:34
EXTERNAL STANDARD	0.080	10:34
BIANK TEST	0.000	10:35
SUBJECT SAMPLE	0.000	10:35
BIANK TEST	0.000	10:37
EXTERNAL STANDARD	0.081	10:37
BIANK TEST	0.000	10:38

CAS



LINEARITY CHECK

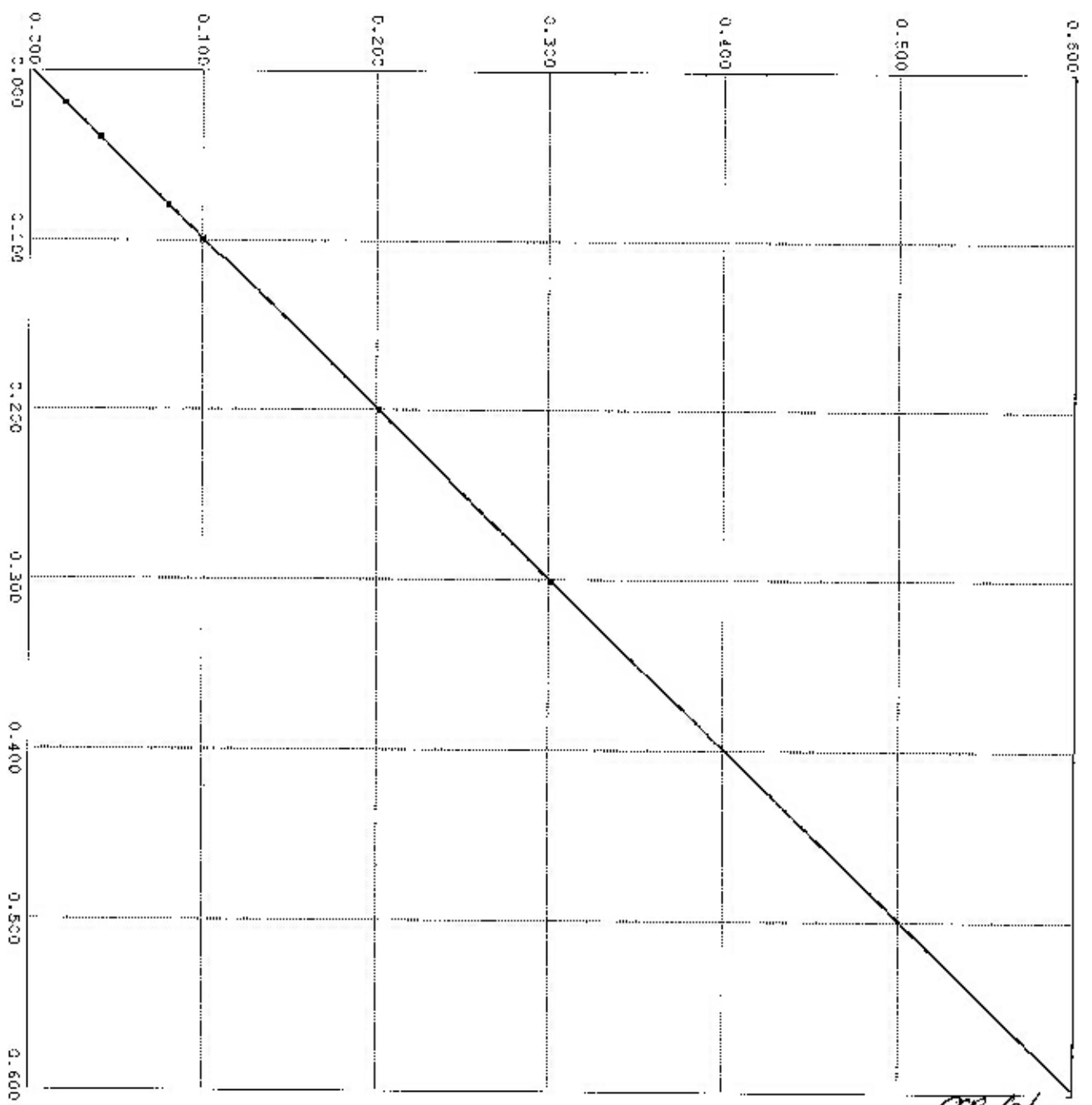
Alaska Department of Public Safety
 DATASTAR dmt: 100391

Date: 05/14/2012
 Time: 13:00:01

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

TARGET	AVERAGE	STD. DEV.
0.319	0.0211	0.0002
0.039	0.0411	0.0002
0.079	0.0809	0.0001
0.099	0.1009	0.0002
0.200	0.2024	0.0003
0.300	0.3021	0.0007

SLOPE = 1.000535
 R² = 0.998397



CS

IDENTIFICATION CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100391

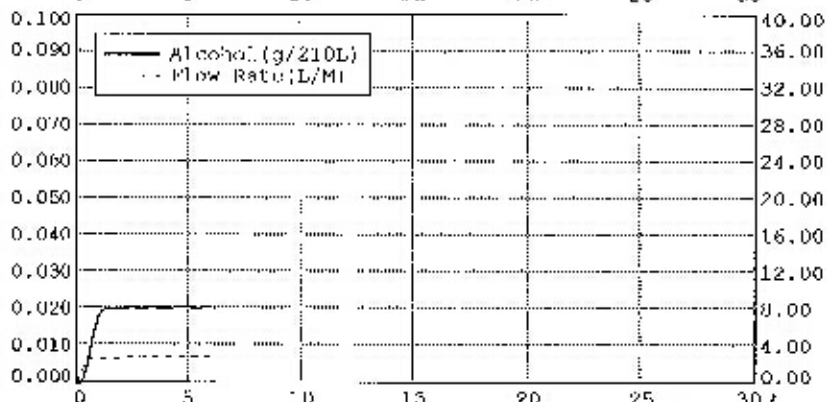
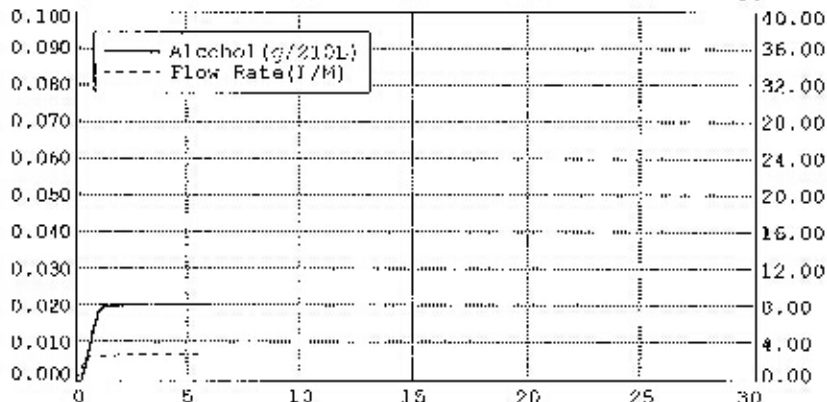
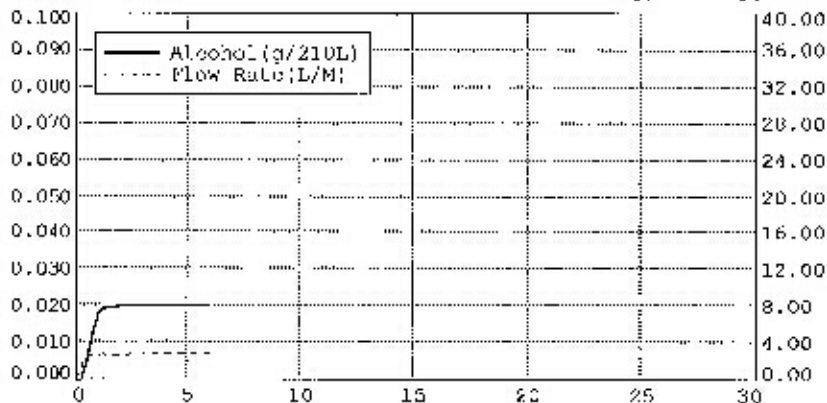
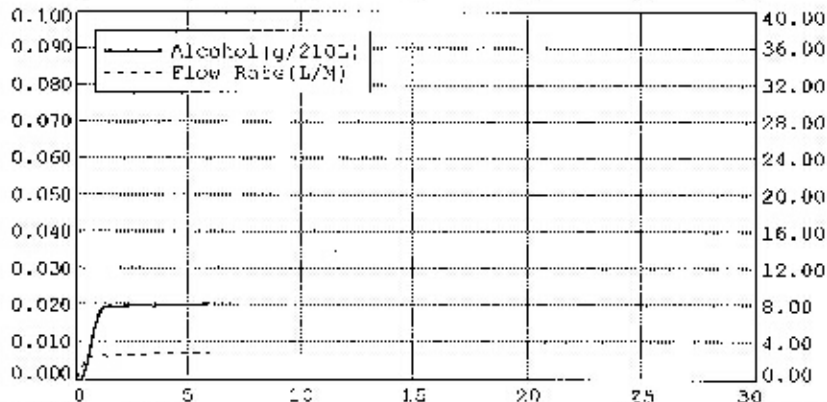
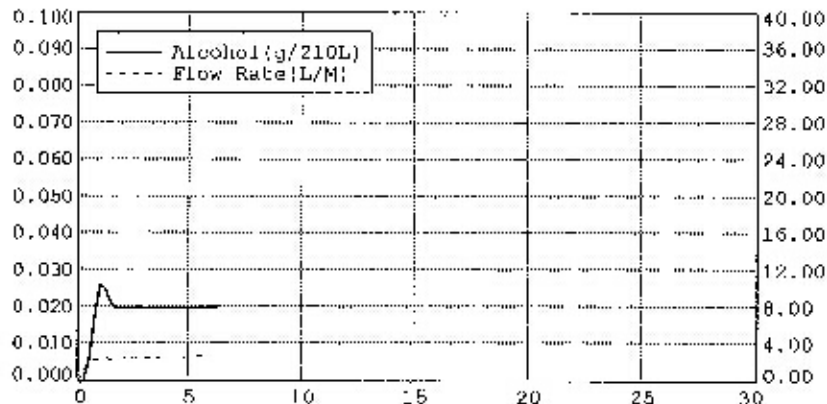
Date: 05/14/2012
 Time: 13:00:02

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	13:07
INTERNAL STANDARD	VERIFIED	13:07
EXTERNAL STANDARD	0.021	13:07
BLANK TEST	0.000	13:08
EXTERNAL STANDARD	0.021	13:08
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.020	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.021	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.021	13:11
BLANK TEST	0.000	13:12

Average = 0.0211
 Std Dev = 0.0002



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dat: 100391

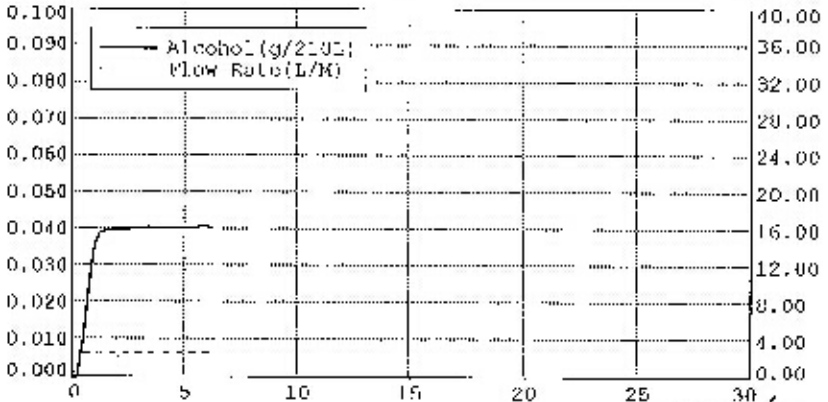
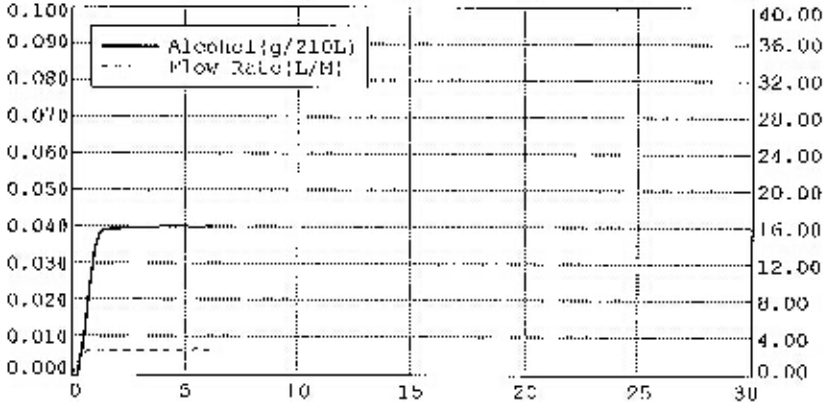
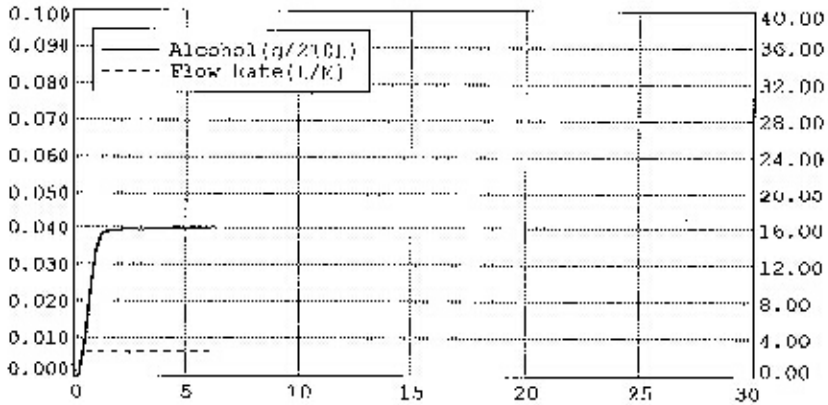
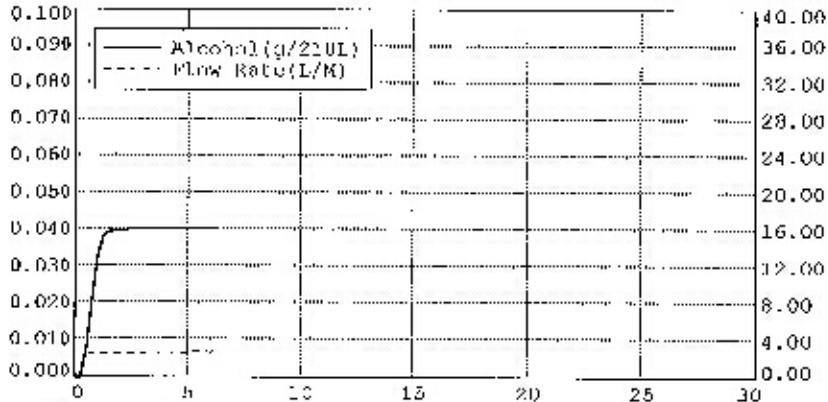
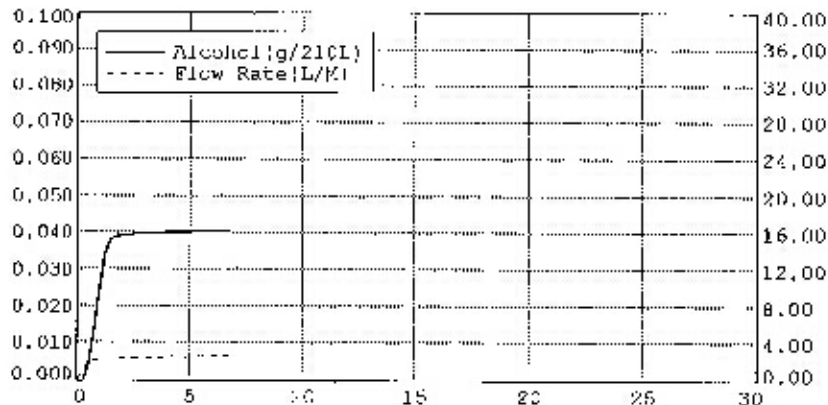
Date: 05/14/2012
 Time: 13:14:20

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.91: 0.039
 LOT #: 07611040A4
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:20
INTERNAL STANDARD	VARIABLE	13:20
EXTERNAL STANDARD	0.041	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.041	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.041	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.040	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.041	13:25
BLANK TEST	0.000	13:26

Average = 0.0411
 Std Dev = 0.0002



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100391

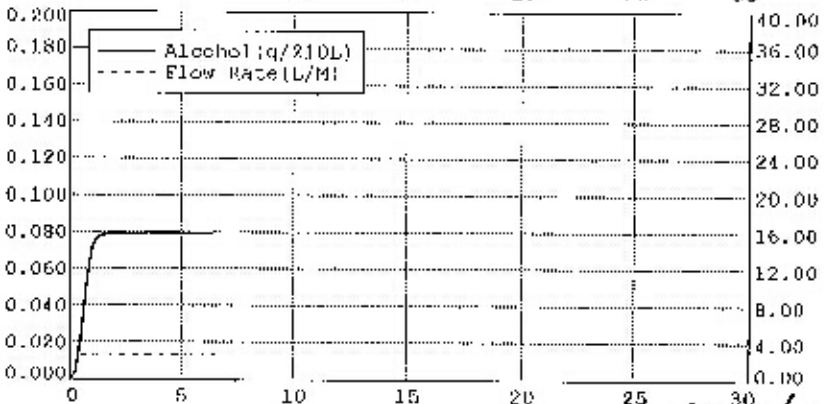
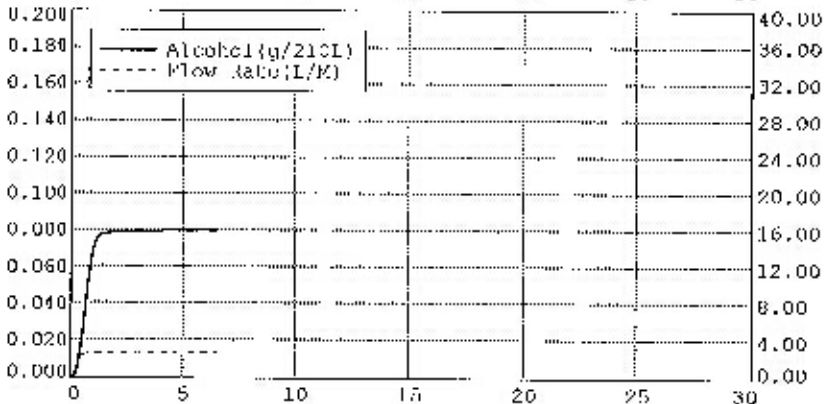
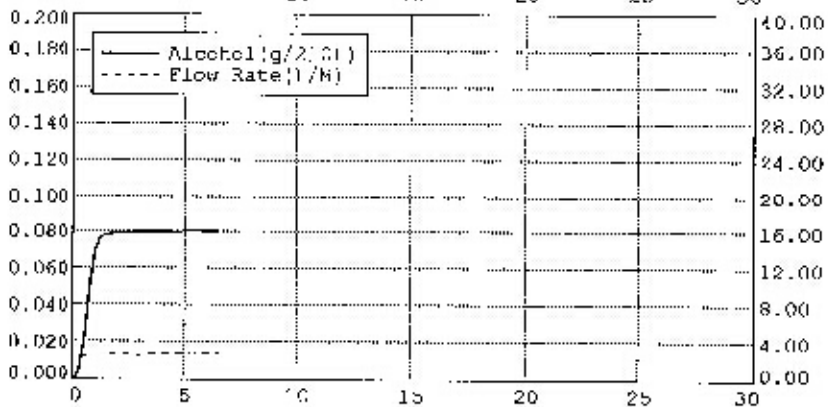
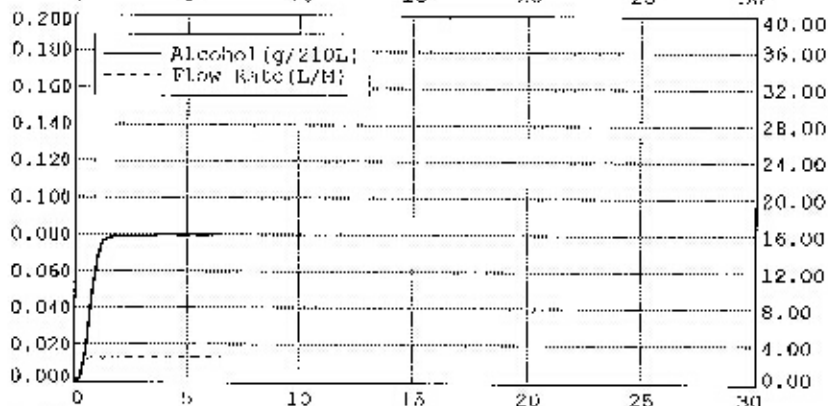
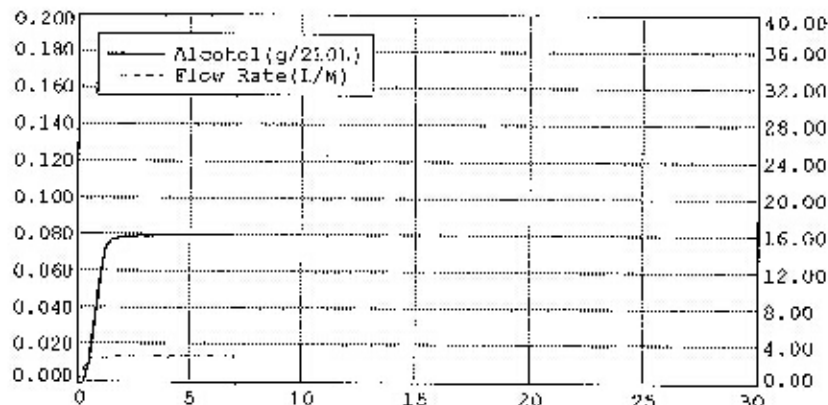
Date: 05/14/2012
Time: 13:31:13

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.91: 0.079
LOT #: 02012080A1
EXPIRATION: 03/01/2014

BLANK TEST	0.000	13:32
INTERNAL STANDARD	VERIFIED	13:32
EXTERNAL STANDARD	0.080	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.080	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.081	13:34
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.080	13:35
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.080	13:37
BLANK TEST	0.000	13:37

Average = 0.0809
Std Dev = 0.0001



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dnt: 100391

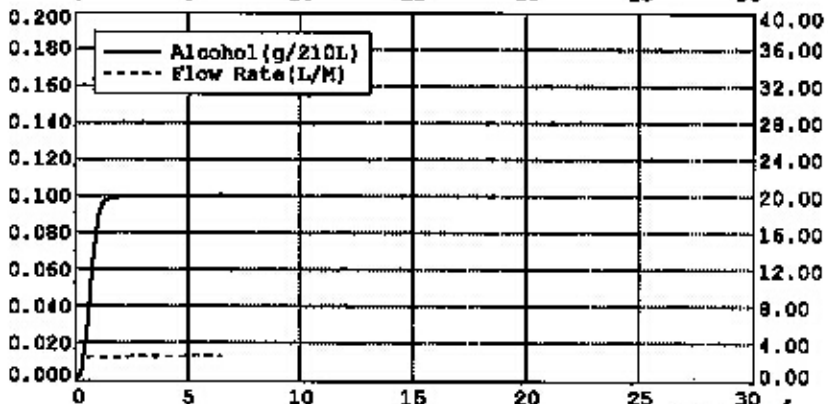
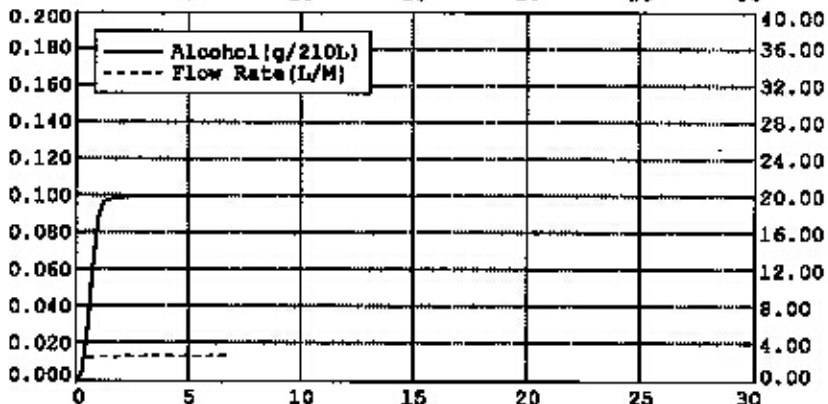
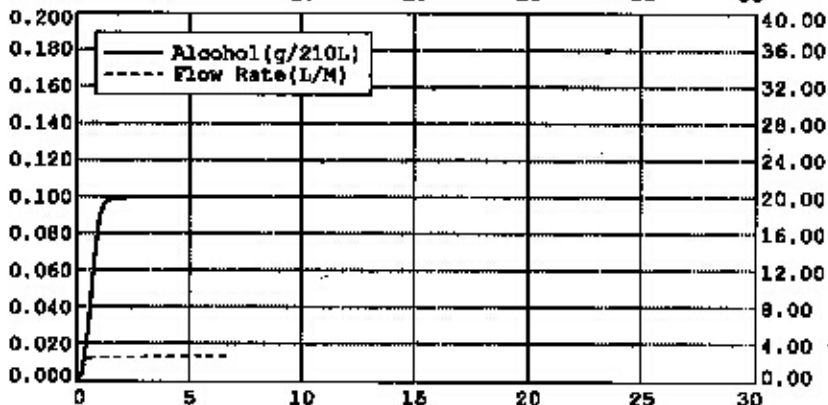
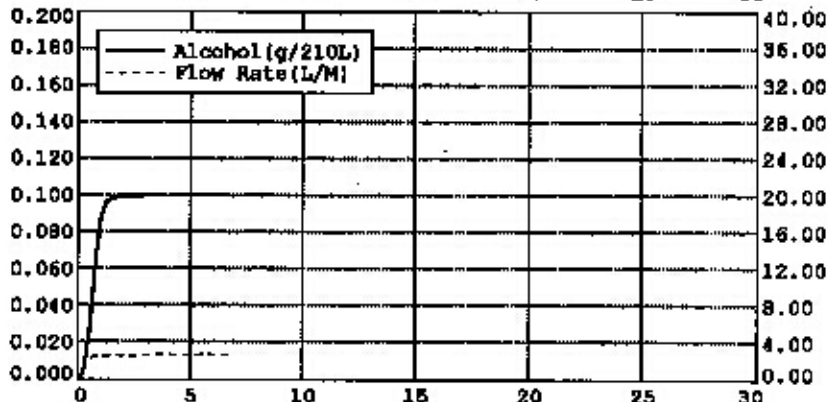
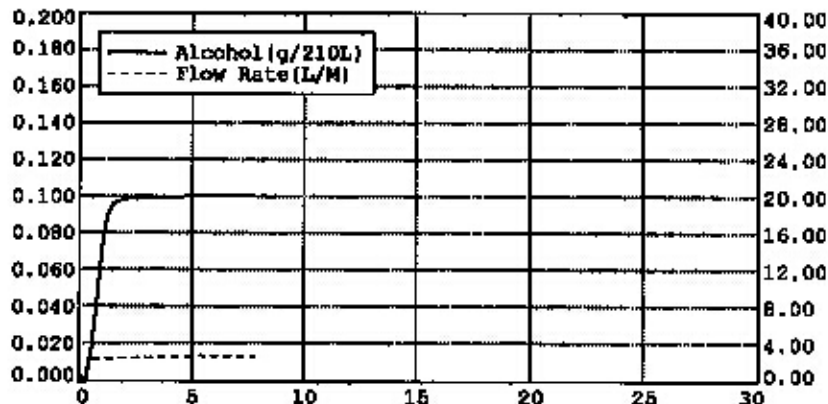
Date: 05/14/2012
 Time: 13:40:29

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	13:42
INTERNAL STANDARD	VERIFIED	13:42
EXTERNAL STANDARD	0.100	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.100	13:43
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.101	13:44
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.100	13:45
BLANK TEST	0.000	13:46
EXTERNAL STANDARD	0.100	13:47
BLANK TEST	0.000	13:47

Average = 0.1009
 Std Dev = 0.0002



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER Inst: 100391

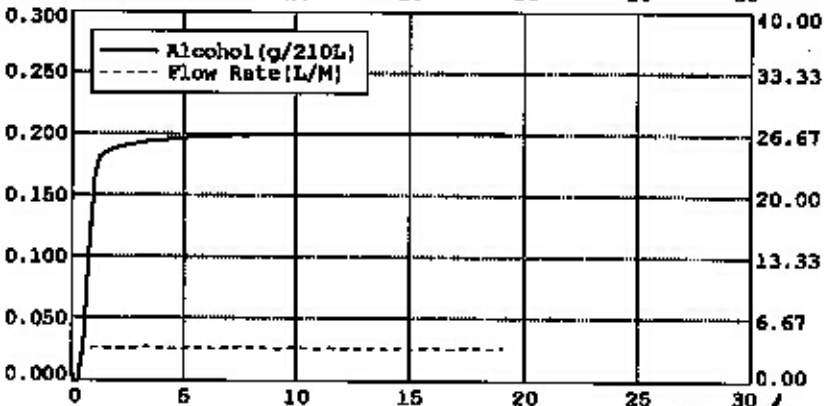
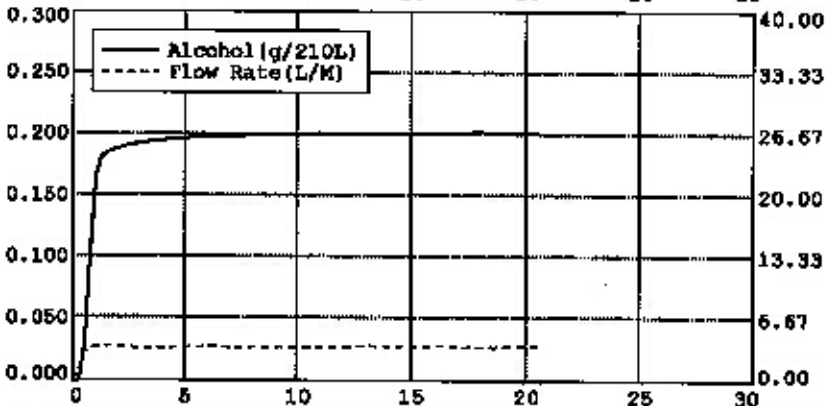
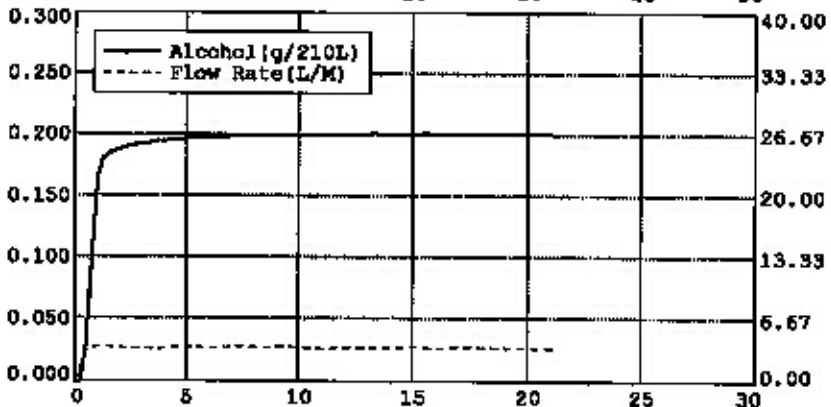
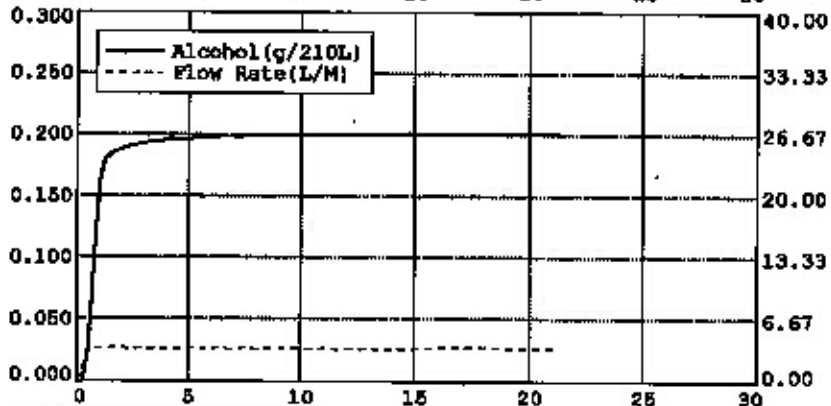
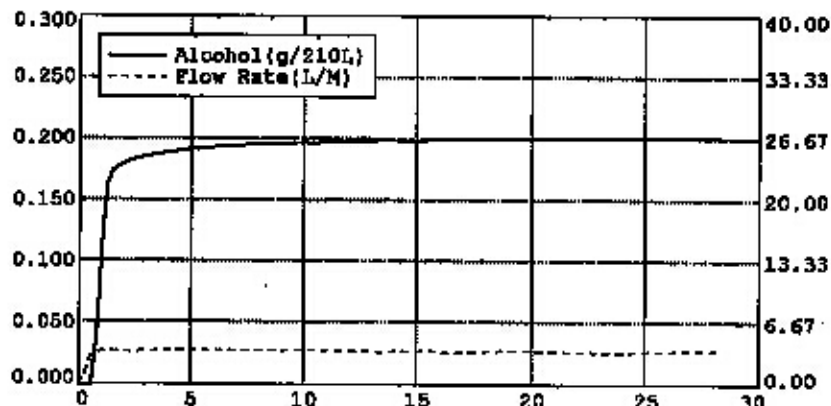
Date: 05/14/2012
 Time: 13:48:26

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	13:50
INTERNAL STANDARD	VERIFIED	13:50
EXTERNAL STANDARD	0.202	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.202	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.202	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.202	13:55
BLANK TEST	0.000	13:56
EXTERNAL STANDARD	0.202	13:56
BLANK TEST	0.000	13:57

Average = 0.2024
 Std Dev = 0.0003



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
 DATAMASTER dnt; 100391

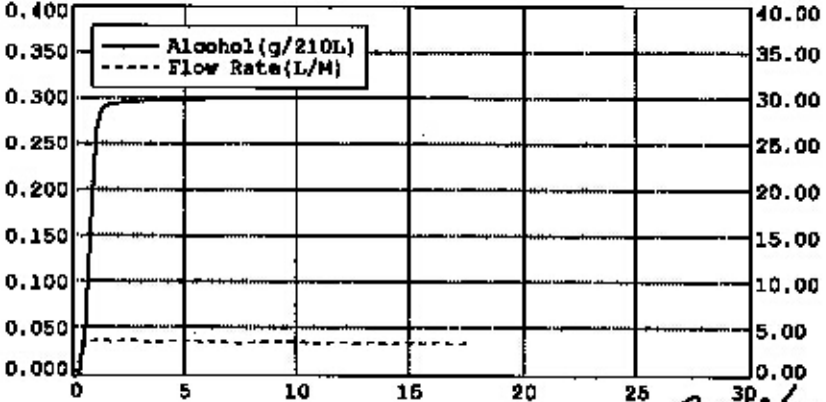
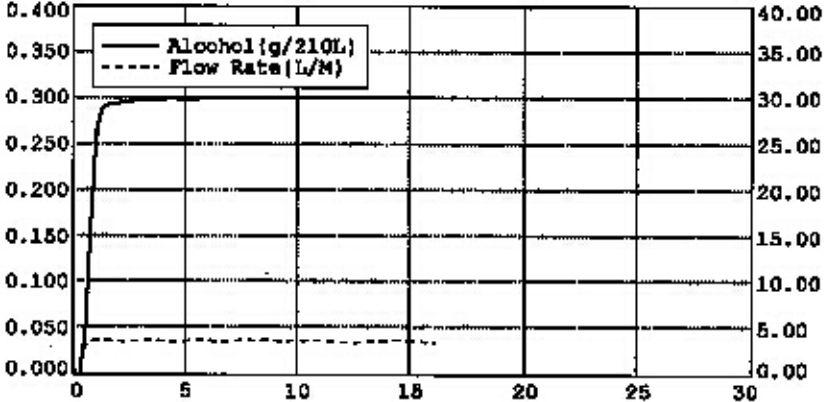
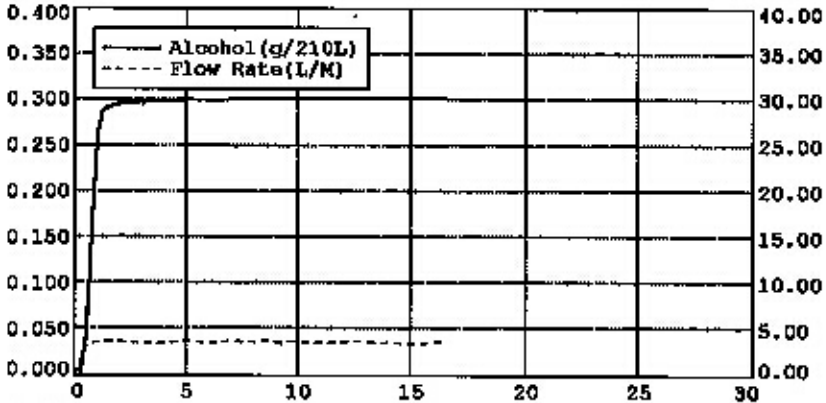
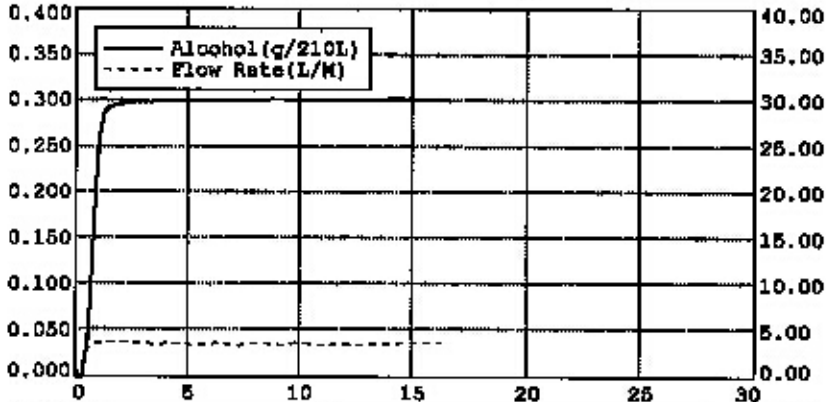
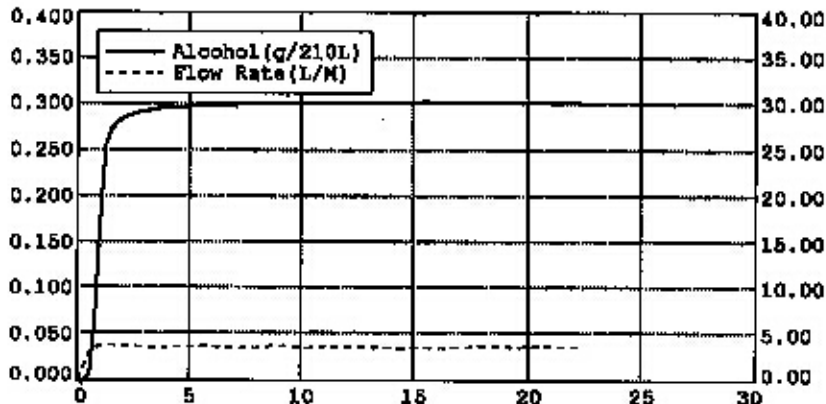
Date: 05/14/2012
 Time: 13:58:32

EXTERNAL STANDARD INFORMATION

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

BLANK TEST	0.000	13:59
INTERNAL STANDARD	VERIFIED	14:00
EXTERNAL STANDARD	0.303	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.302	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.301	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.301	14:04
BLANK TEST	0.000	14:05
EXTERNAL STANDARD	0.301	14:05
BLANK TEST	0.000	14:06

Average = 0.3021
 Std Dev = 0.0007



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmc: 100391

Date: 05/14/2012
Time: 14:10:26

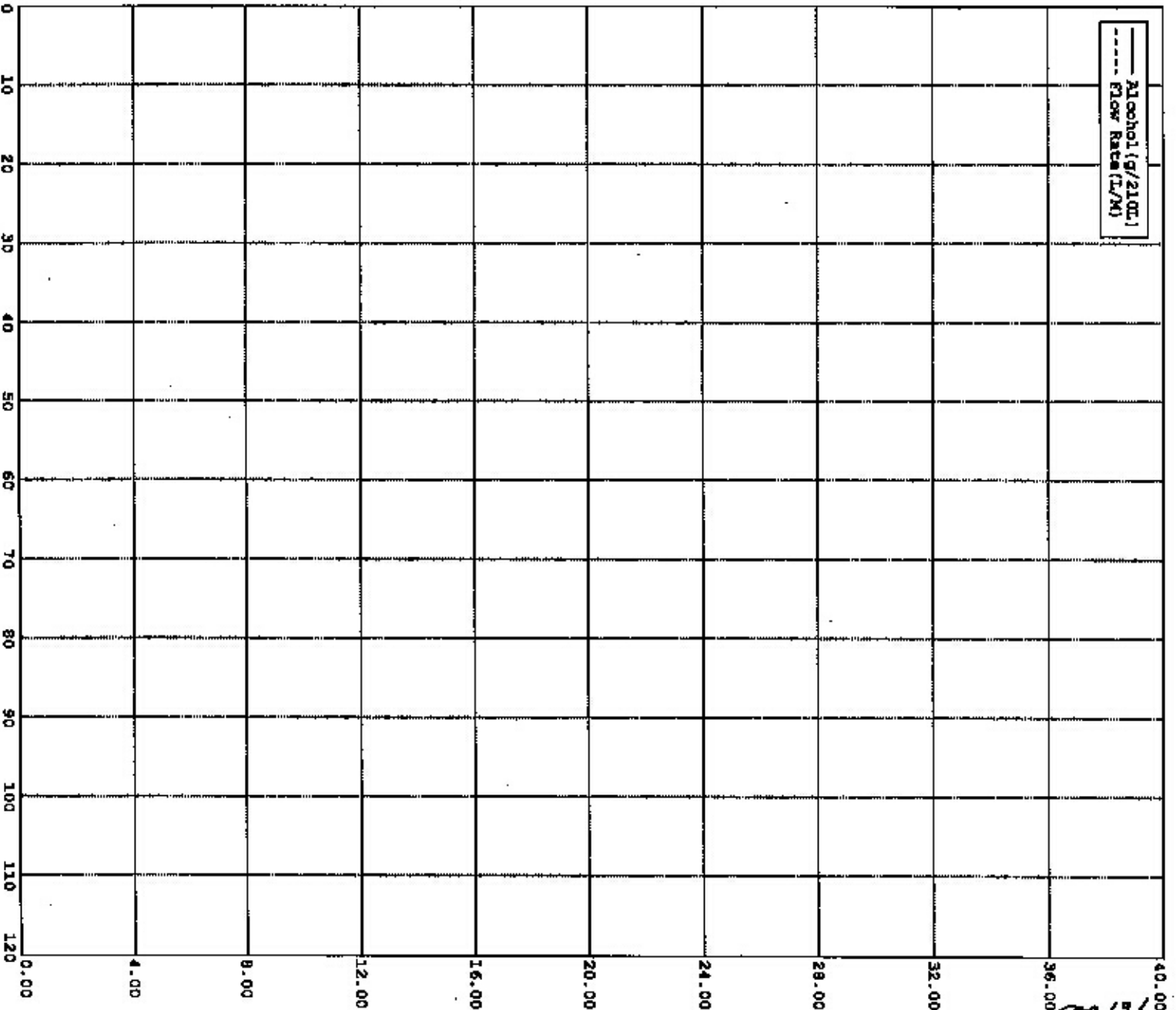
SUBJECT NAME:
TEST TEST
LICENSE #: INCOMPLETE
OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET RT: 29.91: 0.079
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	14:11
BLANK TEST	0.000	14:11
INTERNAL STANDARD	VERIFIED	14:11
EXTERNAL STANDARD	0.081	14:11
BLANK TEST	0.000	14:12
SUBJECT SAMPLE	INCOMPLETE	14:14

CAS



SUBJECT TEST

Alaska Department of Public Safety
DATABASE dnt: 100391

Date: 05/14/2012
Time: 14:18:30

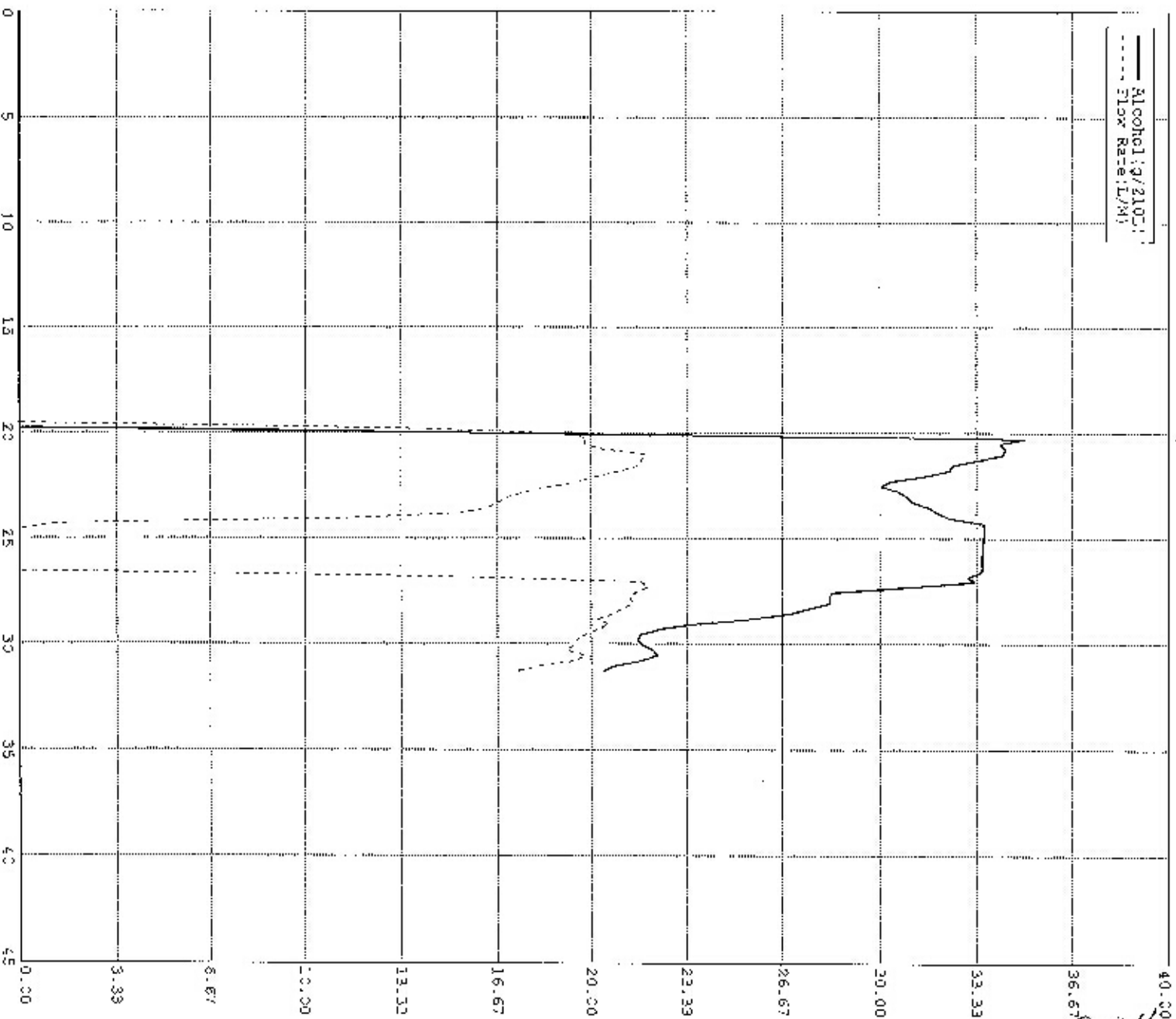
SUBJECT NAME:
TEST TEST
LICENSE #: INVALID
OPERATOR NAME:
OFFICER'S ORYANT
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA
CASE/REPORT: 12-1204
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.089
TARGET AT 29.92: 0.079
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	14:19
INTERNAL STANDARD	0.061	14:19
EXTERNAL STANDARD	0.000	14:20
BLANK TEST	0.000	14:21
SUBJECT SAMPLE	INVALID	14:22

CRB



SUBJECT TEST

Alaska Department of Public Safety
DATABASE dmc: 100391

Date: 05/14/2012
Time: 14:39:48

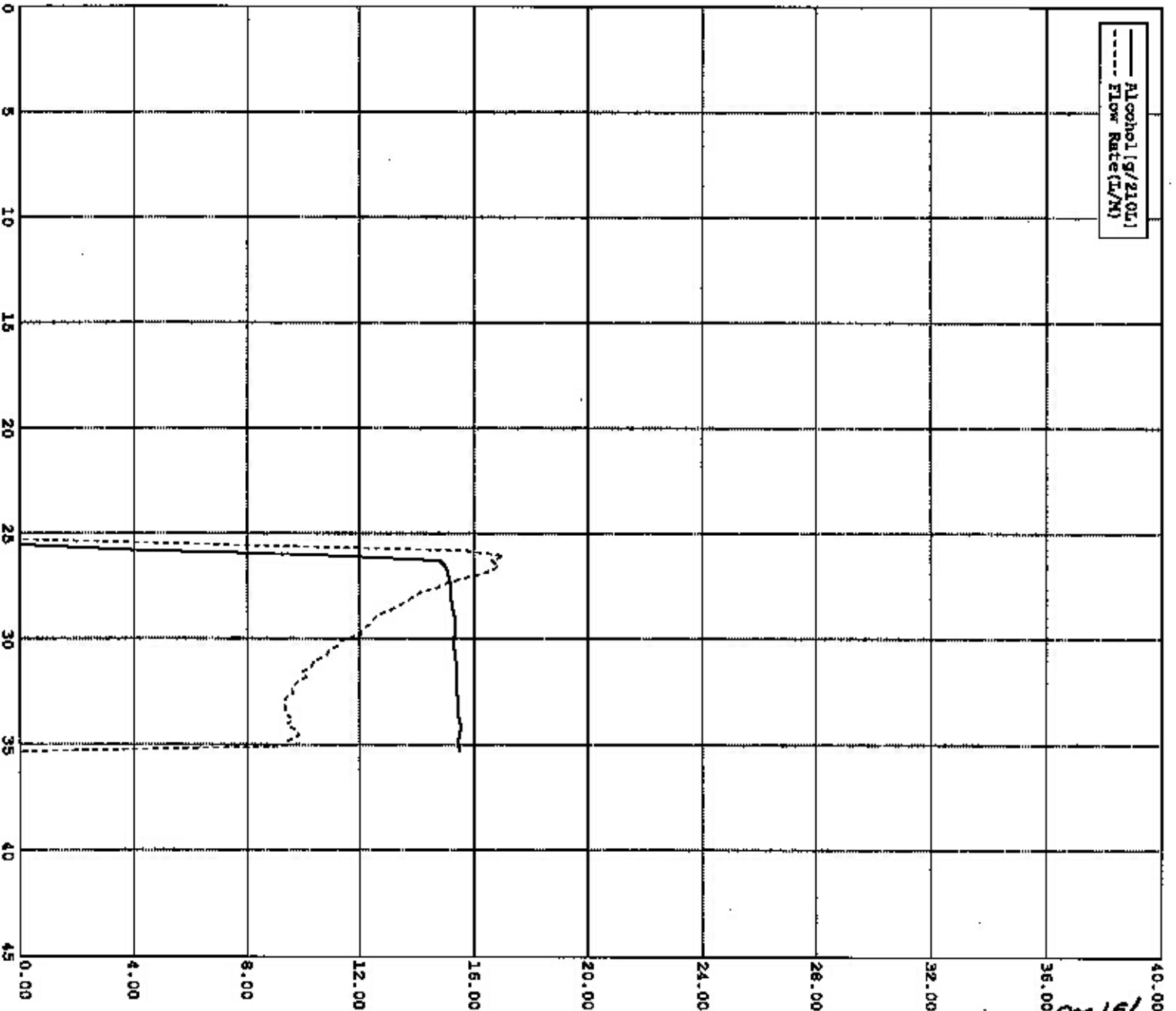
SUBJECT NAME:
TEST TEST
LICENSE #: INT-ACRONE
OPERATOR NAME:
COLLEEN S BRYANT
OPERATOR'S #: 6237

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 25.91: 0.079
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK PASSED 14:41
BIANK TEST 0.000 14:41
INTERNAL STANDARD VERIFIED 14:41
Kc = 0.088 (0.10%)
EXTERNAL STANDARD 0.080 14:41
I [1] = 0.0805 (0.0008) (0.0027)
BIANK TEST 0.000 14:42
SUBJECT SAMPLE INTERFERENCE 14:43
X[1] = 0.0775 (-0.0119) (0.0017)

CB



SUBJECT TEST

Alaska Department of Public Safety
DATUMASTER dnt: 200391

Date: 05/14/2012
Time: 14:46:37

SUBJECT NAME:
TEST CRST
LICENSE #: INT-1PA

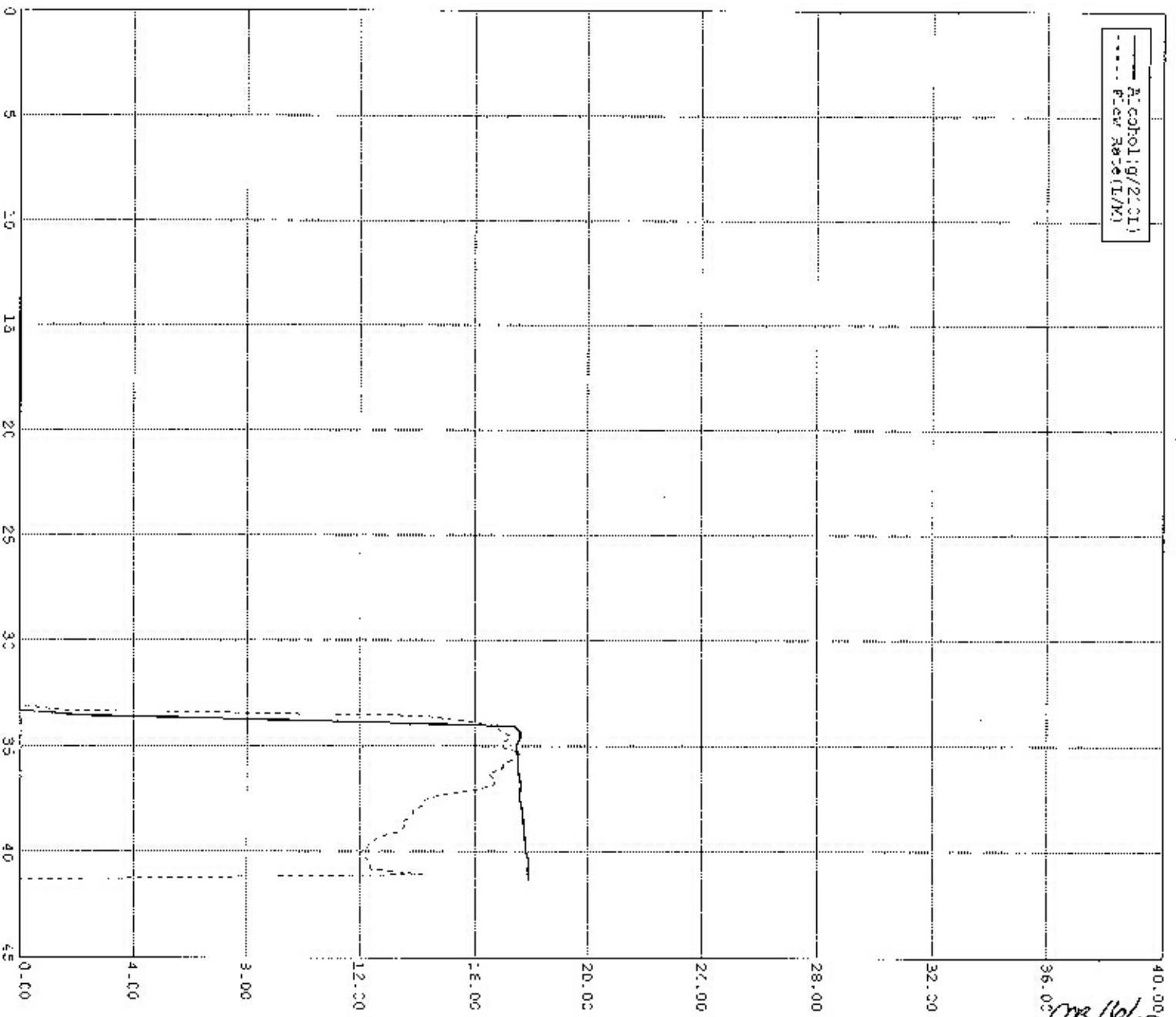
OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAPI
CASE/REPORT: 12-12341
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 25.91: 0.079
LOT #: Q201208021
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	14:47
INTERNAL STANDARD	VERIFIED	14:48
XC = 0.088 (0.20%)		
EXTERNAL STANDARD	0.080	14:48
X[1] = 0.0809 (0.0022)		
BLANK TEST	0.000	14:49
SUBJECT SAMPLE	INTERFERENCE	14:49
X[1] = 0.0893 (-0.0269) (0.0017)		

OK



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100391

Date: 05/14/2012
 Time: 14:56:01

SUBJECT NAME:
 TEST TEST
 LICENSE #: INT-NIG

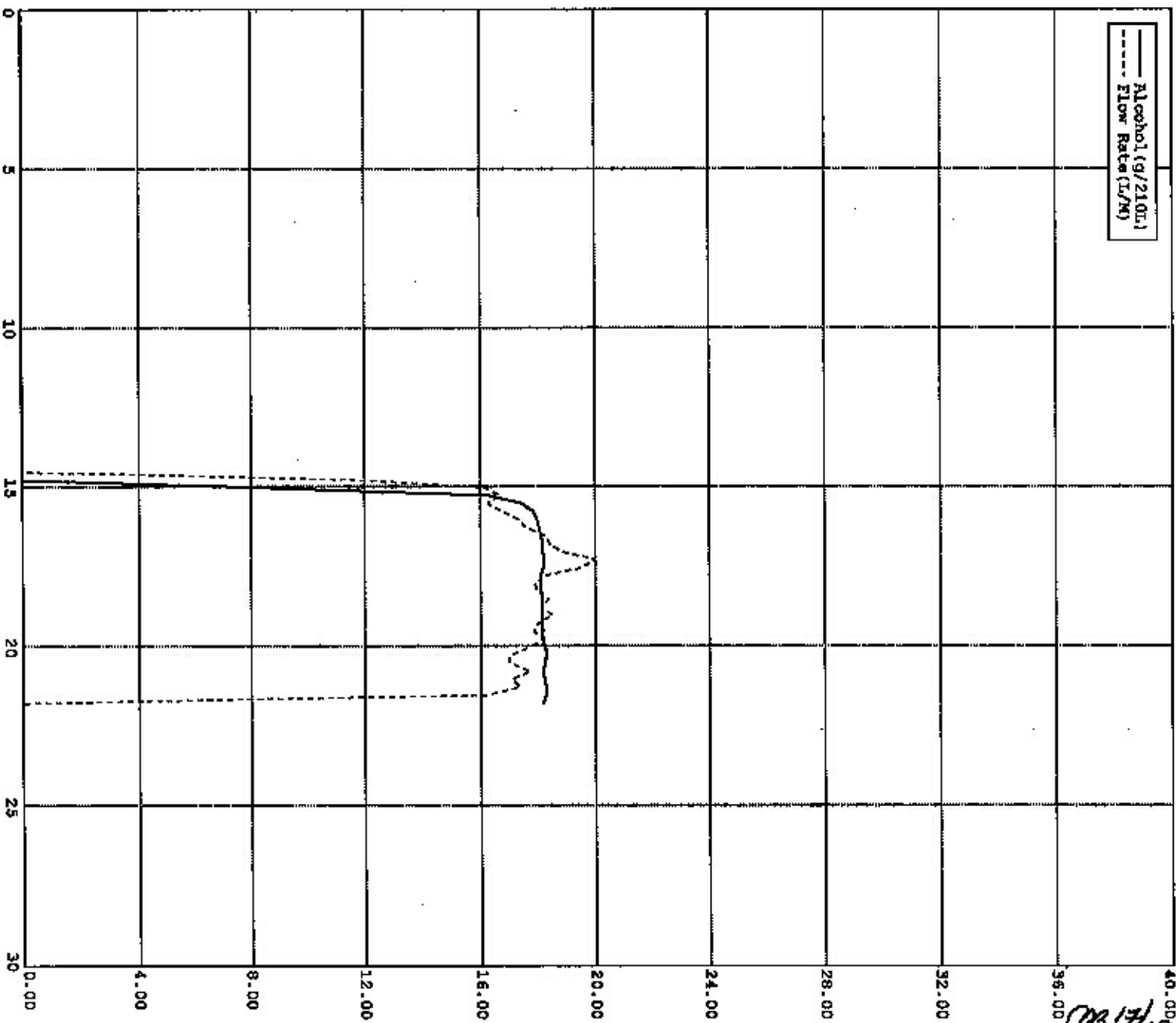
OPERATOR NAME:
 COLLIER S OBRVANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAAA1
 CASE/REPORT: 12-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.91: 0.079
 LOT #: 02012080A1
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	14:57
BLANK TEST	0.000	14:57
INTERNAL STANDARD	VERIFIED	14:58
Xq = 0.089 (0.20%)		
EXTERNAL STANDARD	0.081	14:58
X [1] = 0.0810 (0.0012) (0.0021)		
BLANK TEST	0.000	14:59
SUBJECT SAMPLE (Vol=2.05L)	0.091	14:59
X [1] = 0.0910 (-0.0002) (0.0013)		
BLANK TEST	0.000	15:00
EXTERNAL STANDARD	0.080	15:00
X [1] = 0.0804 (0.0009) (0.0015)		
BLANK TEST	0.000	15:01

CRB



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100391

Date: 05/14/2012
 Time: 15:03:51

SUBJECT NAME:
 TEST TEST
 LICENSE #: RET

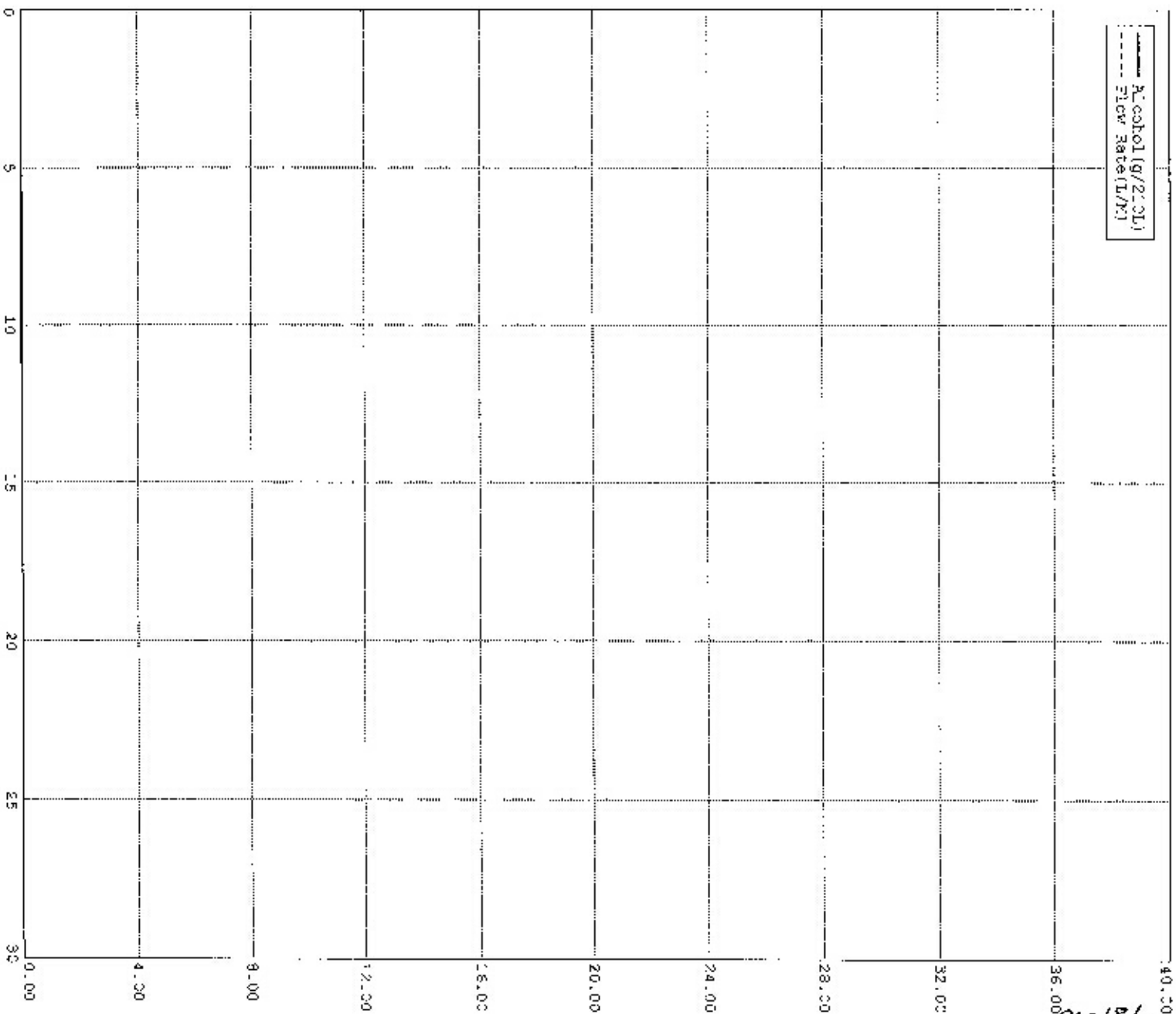
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 62377

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.079
 LOT #: 02012080A
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	15:05
INTERNAL STANDARD	VERIFIED	15:05
EXTERNAL STANDARD	0.080	15:05
BLANK TEST	0.000	15:06

RFI DETECTED



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dnt: 100391

Date: 05/15/2012
Time: 07:24:10

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

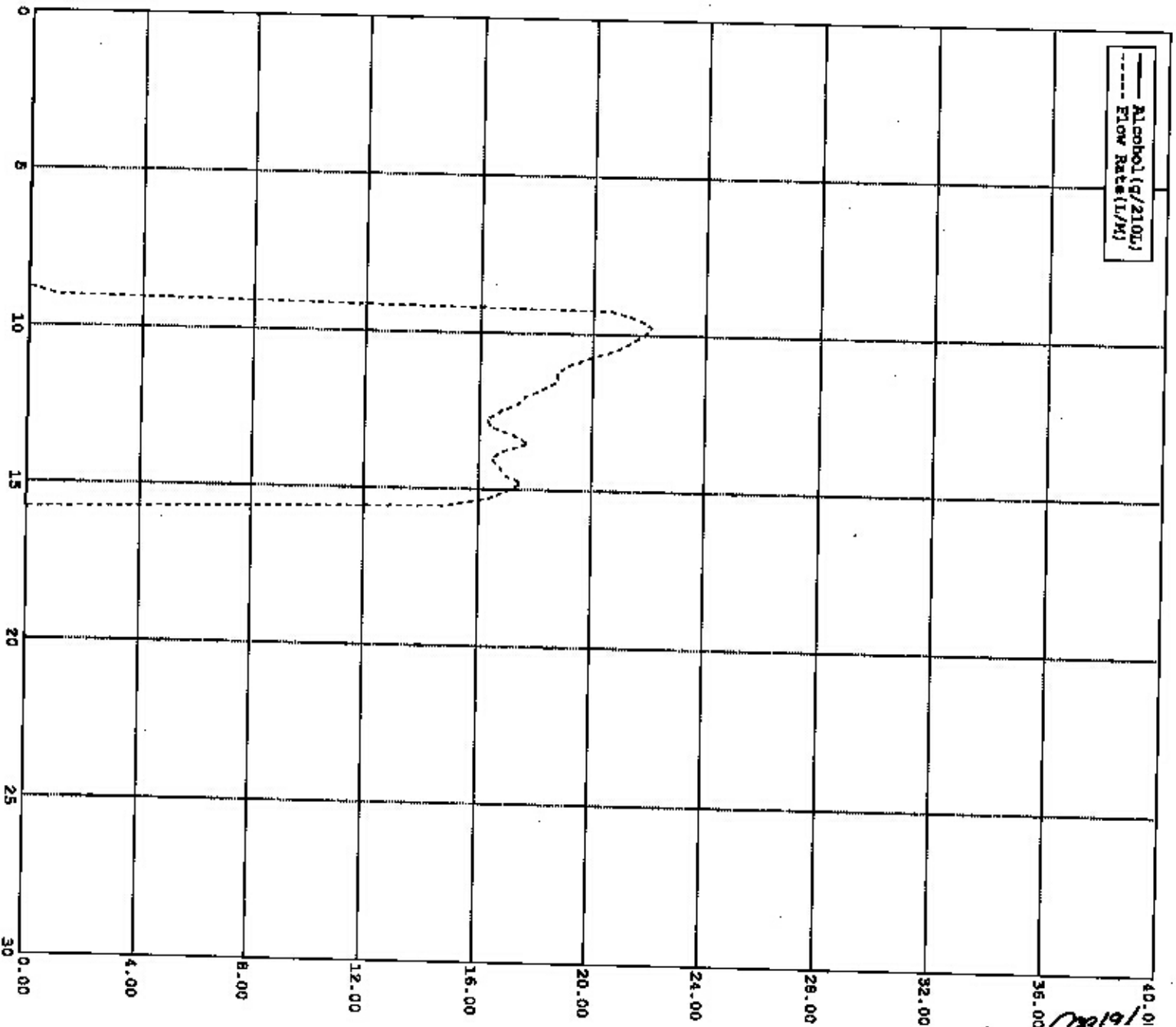
OPERATOR NAME:
COLLEEN S O'BRYANT
OPERATOR'S #: 5237

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 30.10: 0.080
LOT #: 02012080A1
EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	07:25
BLANK TEST	0.000	07:25
INTERNAL STANDARD	VERIFIED	07:25
EXTERNAL STANDARD	0.080	07:25
BLANK TEST	0.000	07:26
SUBJECT SAMPLE	0.000	07:27
BLANK TEST	0.000	07:28
EXTERNAL STANDARD	0.081	07:28
BLANK TEST	0.000	07:29

CS



Final page for report

\

\\VANCSCLSAN01\JTRAX\CASEDOCS\B-100391\B-100391_ECF-20140

2/19/2014