



State of Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form - DMCEF2011R1

Issuing Authority - Nita Bolz, Scientific Director

Approval date: 03/10/11

Effective date: 03/10/11

Archive date: Active

DataMaster DMT Certification Form

Instrument # 100379Analyst C. O'BryantDate 3/24/11

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 1600 mL

5. Dry Gas Linearity Test (attached)

a. Levels Used i. 0.020g/210L Mnf ILMO Lot 02811020A1 Exp 2/1/13ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/13iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 2/1/13iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/13v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/13vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 3/1/13

6. Functional Tests (attached)

a. Incomplete b. Invalid c. Interference i. Acetone - Mnf Guth Lot 9340 Level 0.080 Exp 12/2/111. Simulator Calibration Date 10/18/10 SN D26267ii. Isopropanol - Mnf Guth Lot 9340 Level 0.080 Exp 12/2/111. Simulator Calibration Date 8/4/10 SN SD1202d. RFI 7. Calibrate Stylus 8. Verify card reader is functional 9. Upload 10. Reset Options

11. Non-Drinking Subject Test (attached)

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100379

Date: 03/24/2011
Time: 09:20:25

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C PASSED
Breath Tube = 48.1°C PASSED

PUMP INFO

Flow Rate = 4.295 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: 100379

Date: 03/24/2011
Time: 9:25 AM

Temperatures (°C)

Sample Cell: 49.4°C
Breath Tube: 47.6°C

Current Barometer 29.5 in
Volume (Ltr) 1.46

Settings

Lamp: 1.63 V
Bias: 79 V
Cooler: 1.55 V
Chopper: 529 Hz

Voltages (V)

Flow: 1.06 V
Detector: 0.391 V

CALIBRATION FACTORS

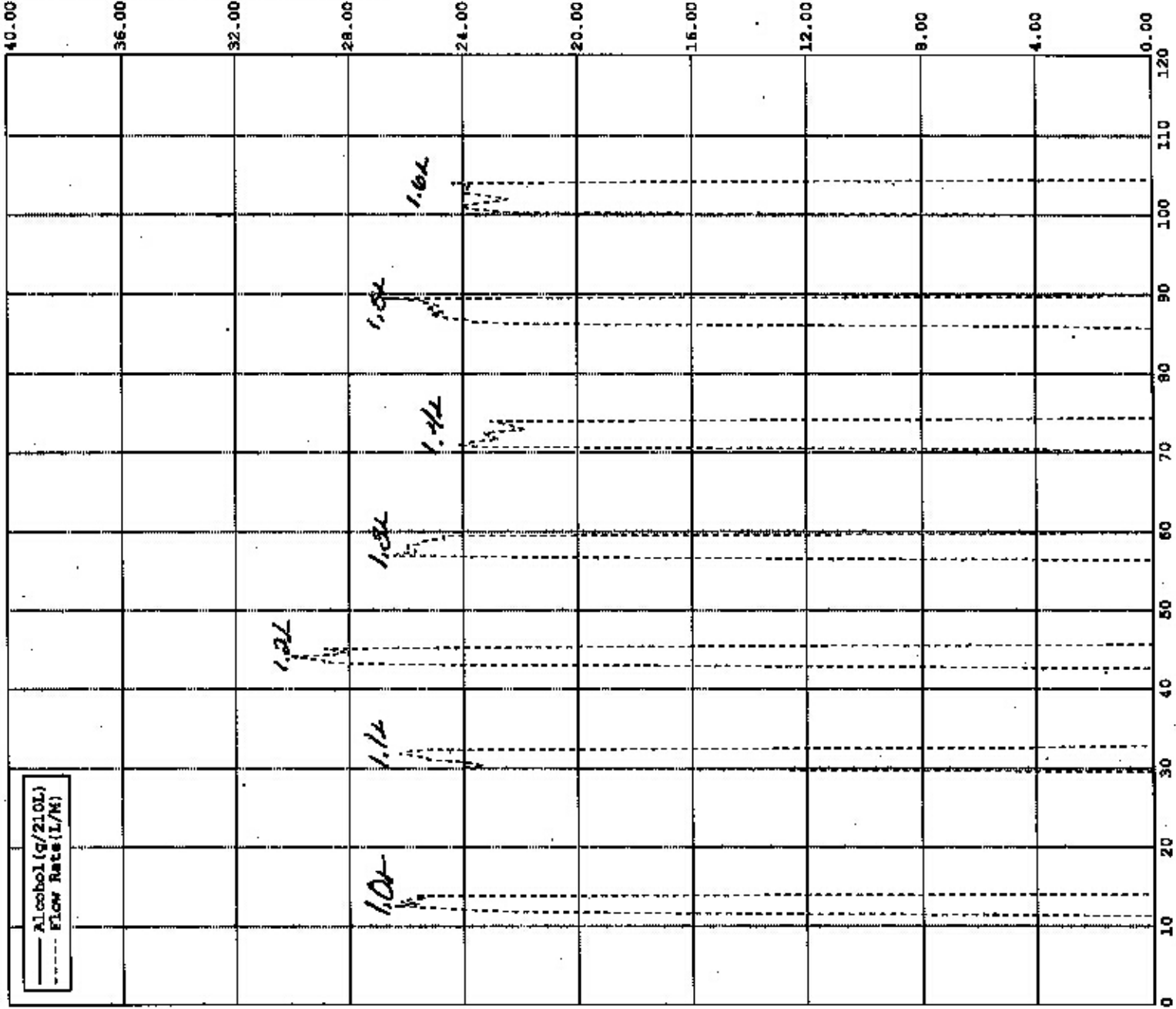
Alaska Department of Public Safety
DATAMASTER dnt: 100379

Date: 03/22/2011
Time: 12:35:43

SUPERVISOR NAME:
COLLEEN S BRYANT
CERTIFICATE #: 6237

LOT #: GUTH100
BOTTLE #: 9380
EXPIRATION: 12/17/2011

Ca	=	0.1800			
CAL	=	0.994139	0.800	<=	CAL < 1.200
b1	=	0.0005	0.0000	<=	b1 < 0.0040
b2	=	0.0044	0.0010	<=	b2 < 0.0100
b3	=	0.0002	0.0000	<=	b3 < 0.0040
Xq	=	0.0812	0.0500	<=	Xq < 0.2000
a21	=	1.116438	1.050	<=	a21 < 1.300
a31	=	0.451907	0.300	<=	a31 < 0.800



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100379

Date: 03/24/2011
 Time: 09:27:12

SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST

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

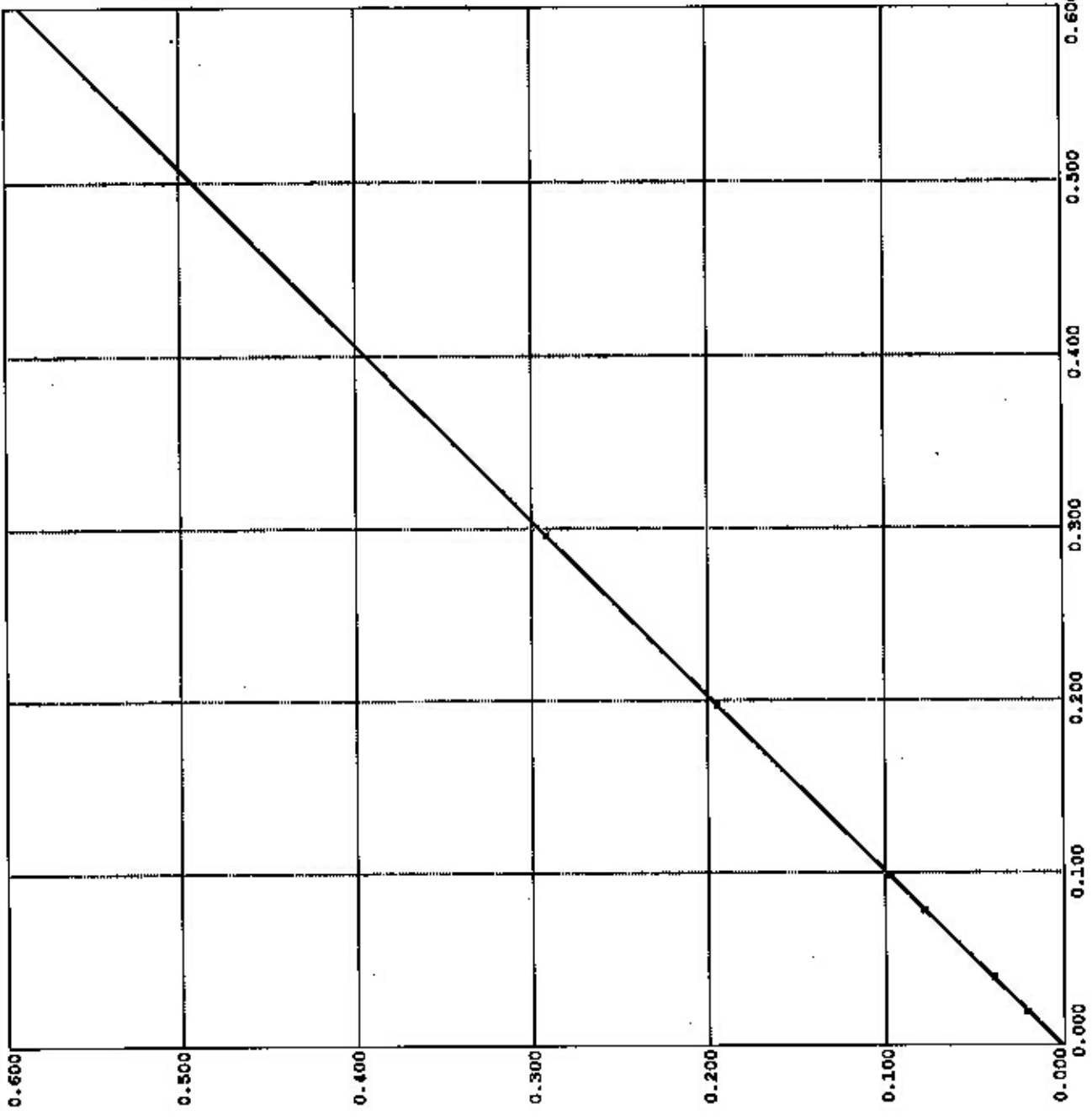
DEPT/AGENCY:
 AAA1

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.49: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	09:28
BLANK TEST	0.000	09:28
INTERNAL STANDARD	VERIFIED	09:28
EXTERNAL STANDARD	0.080	09:28
BLANK TEST	0.000	09:29
SUBJECT SAMPLE	0.000	09:31
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.079	09:32
BLANK TEST	0.000	09:33

100379/18



LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dml: 100379

Date: 03/24/2011
 Time: 09:38:05

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0210	0.0000
0.039	0.0396	0.0005
0.078	0.0790	0.0000
0.098	0.0978	0.0008
0.197	0.1954	0.0011
0.295	0.2922	0.0025

SLOPE = 0.983794
 R² = 0.999990

COB

COB/11

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dnt: 100379

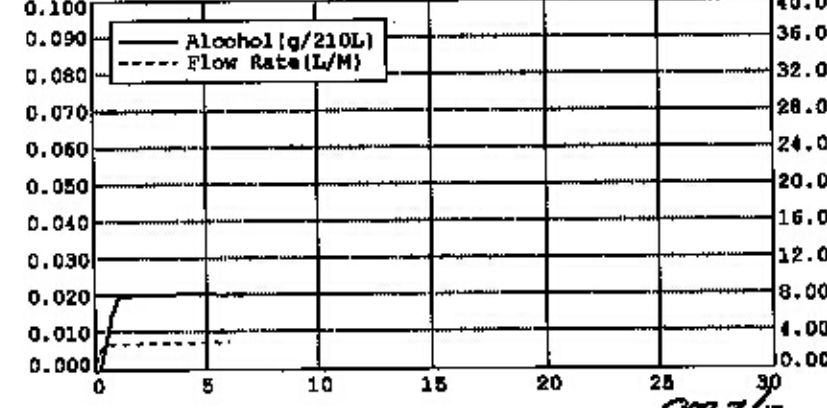
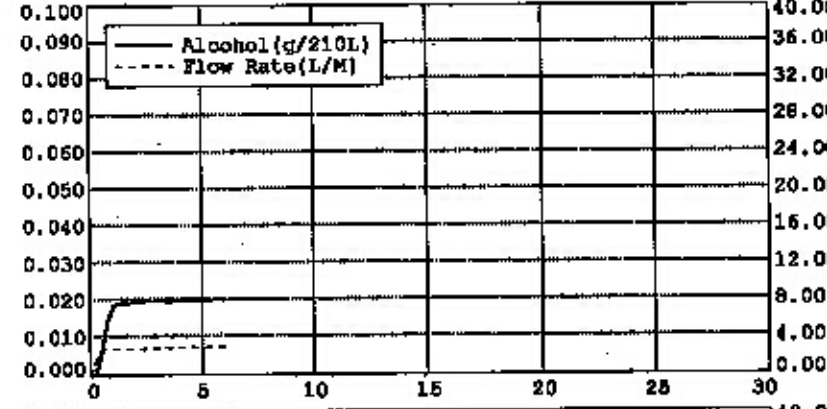
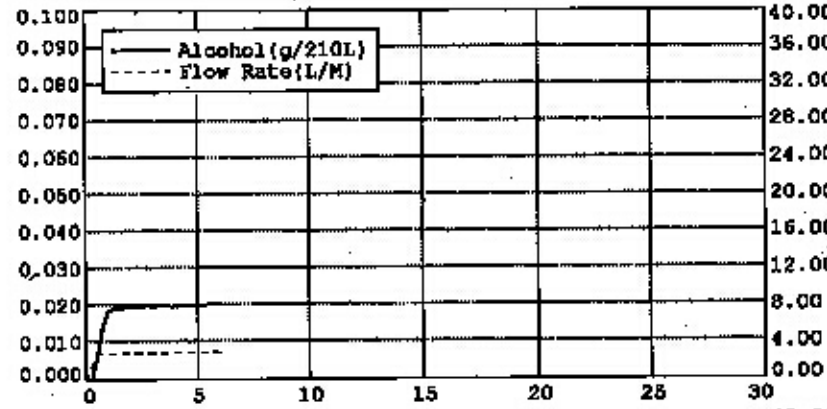
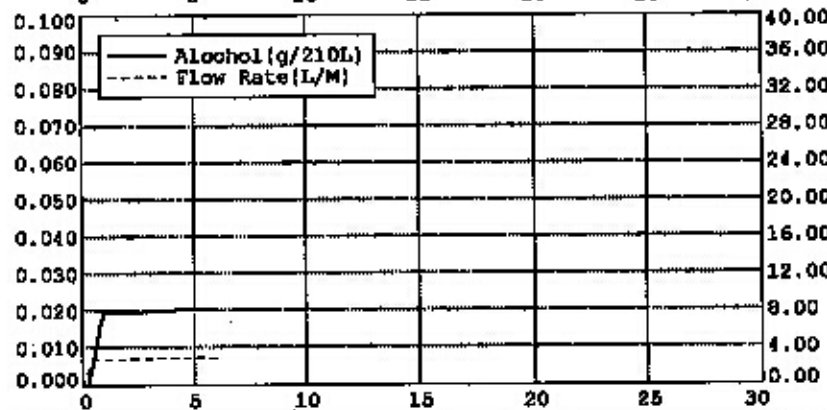
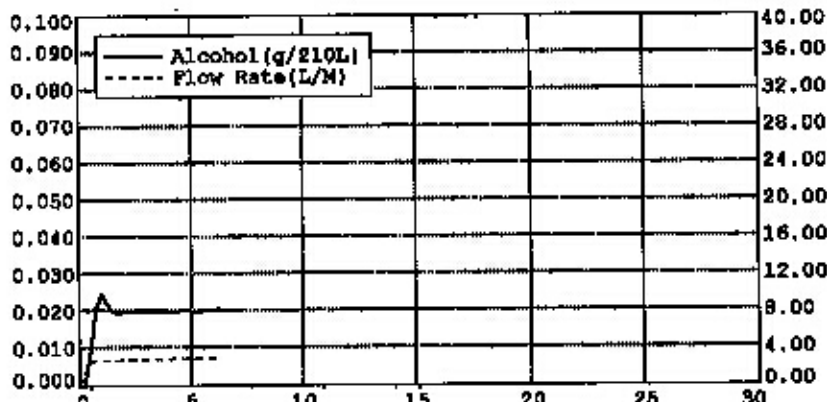
Date: 03/24/2011
 Time: 09:38:06

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.49: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:39
INTERNAL STANDARD	VERIFIED	09:39
EXTERNAL STANDARD	0.021	09:39
BLANK TEST	0.000	09:40
EXTERNAL STANDARD	0.021	09:40
BLANK TEST	0.000	09:41
EXTERNAL STANDARD	0.021	09:41
BLANK TEST	0.000	09:42
EXTERNAL STANDARD	0.021	09:43
BLANK TEST	0.000	09:43
EXTERNAL STANDARD	0.021	09:44
BLANK TEST	0.000	09:45

Average = 0.0210
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

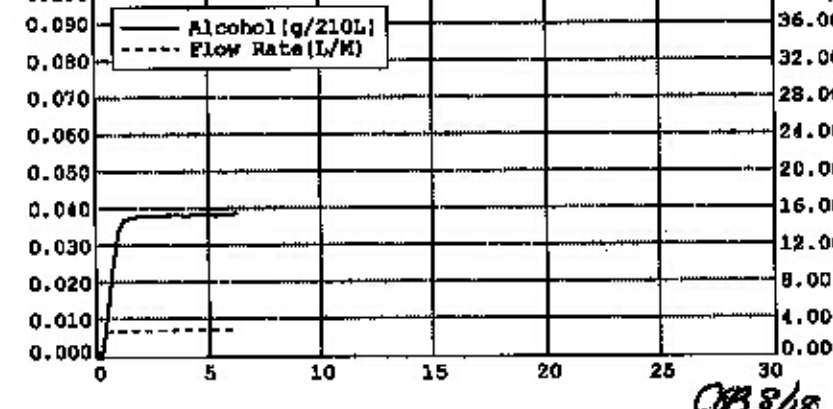
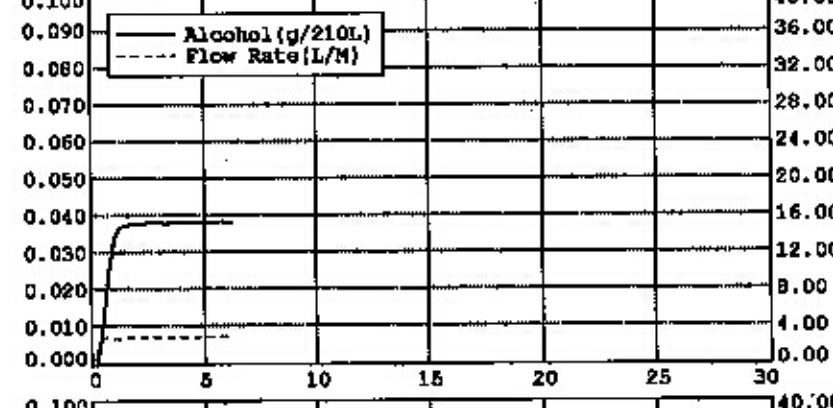
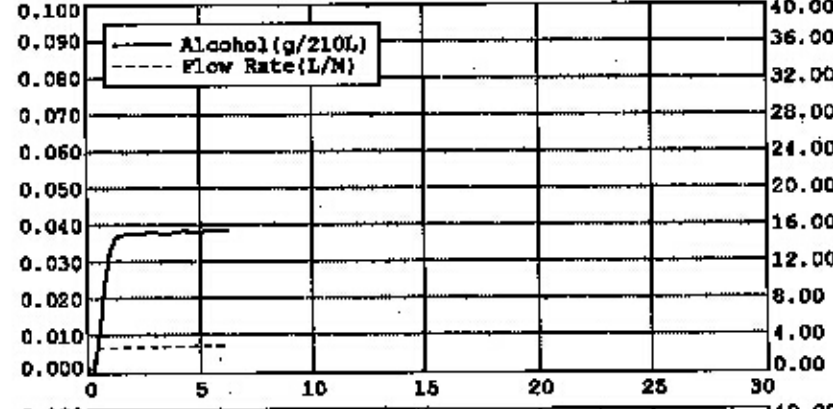
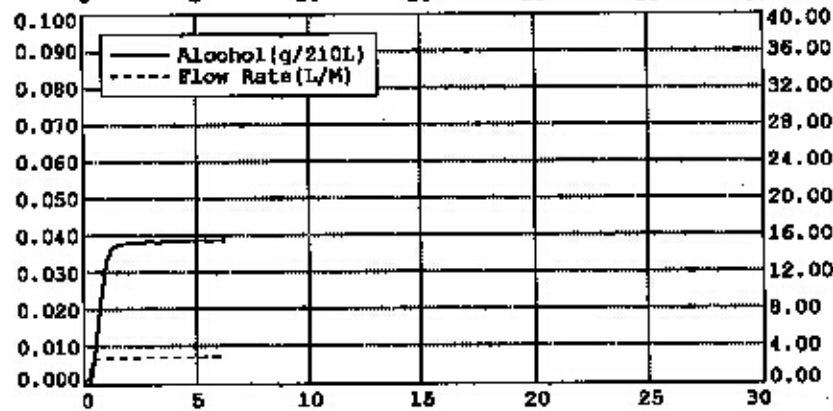
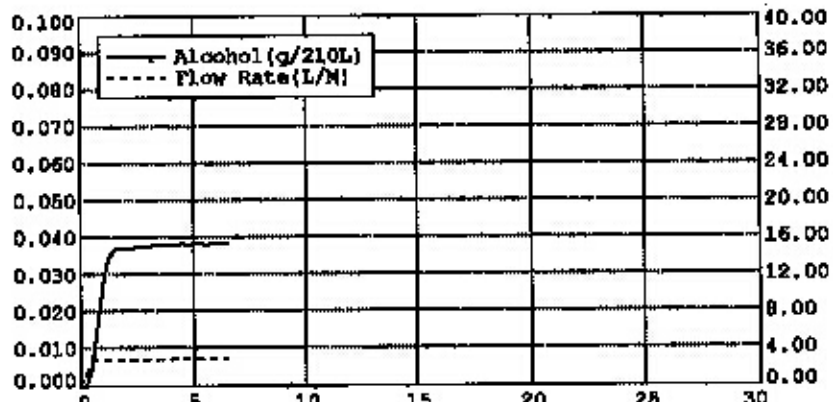
Alaska Department of Public Safety
 DATA MASTER dmt: 100379

Date: 03/24/2011
 Time: 09:49:47

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.49: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:50
INTERNAL STANDARD	VERIFIED	09:50
EXTERNAL STANDARD	0.039	09:50
BLANK TEST	0.000	09:51
EXTERNAL STANDARD	0.040	09:51
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.040	09:52
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.039	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.040	09:54
BLANK TEST	0.000	09:55

Average = 0.0396
 Std Dev = 0.0005



03/25

LINEARITY CHECK: Control Test 3

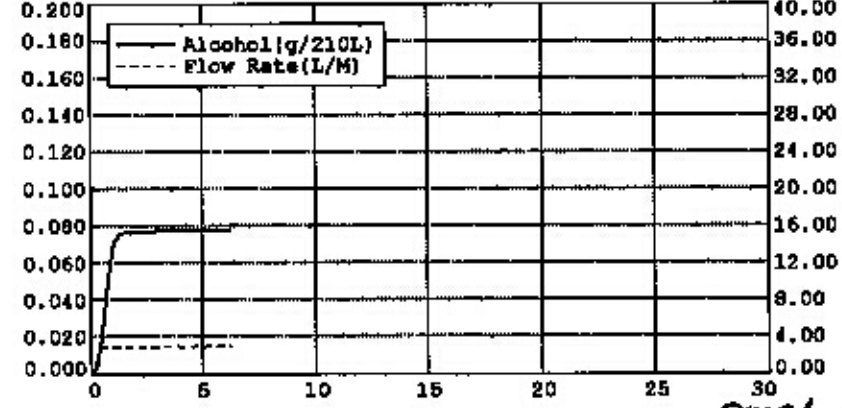
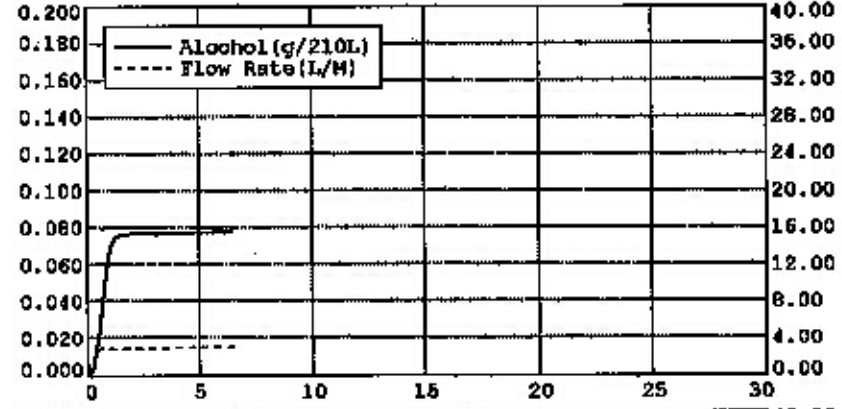
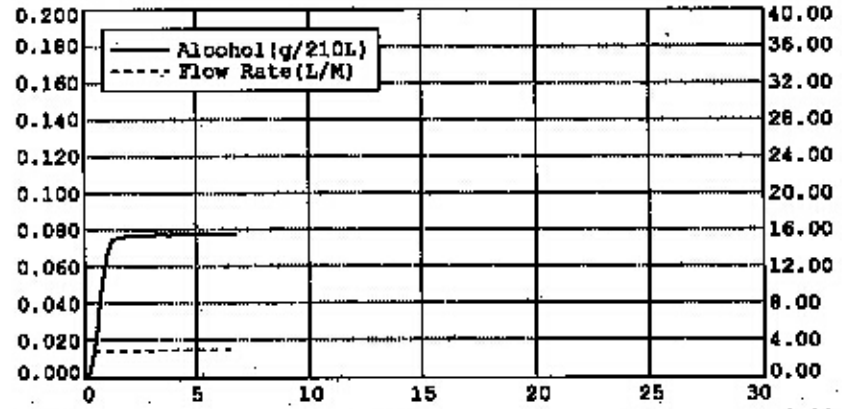
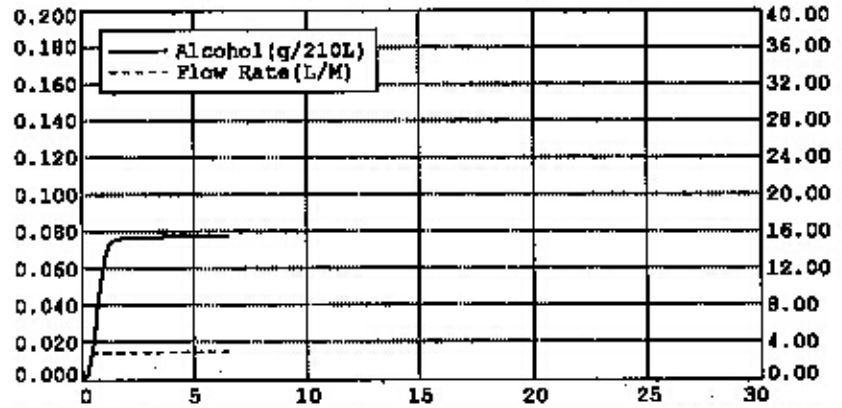
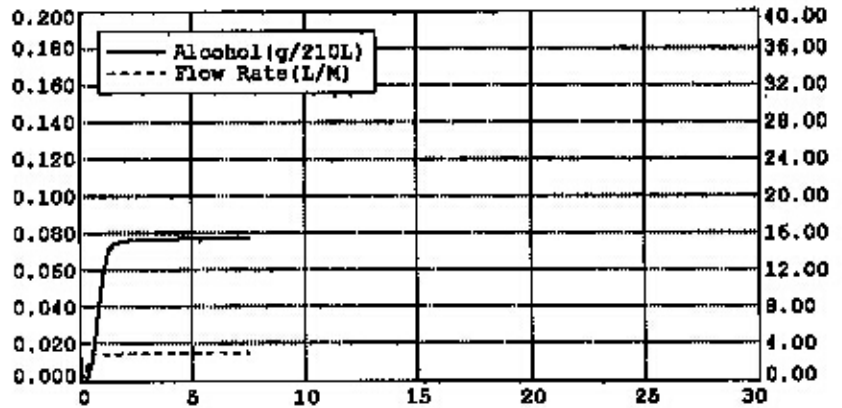
Alaska Department of Public Safety
 DAUFMANMASTER dmt: 100379

Date: 03/24/2011
 Time: 09:56:40

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.49: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:57
INTERNAL STANDARD	VERIFIED	09:57
EXTERNAL STANDARD	0.079	09:58
BLANK TEST	0.000	09:58
EXTERNAL STANDARD	0.079	09:59
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.079	10:00
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.079	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.079	10:02
BLANK TEST	0.000	10:03

Average = 0.0790
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATA MASTER dnt: 100379

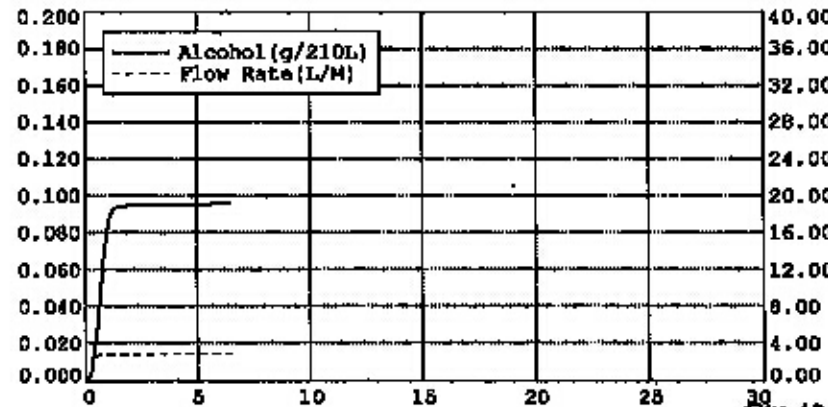
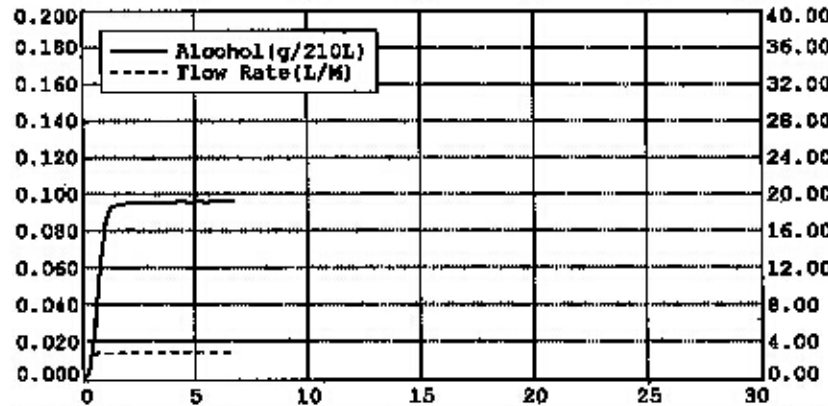
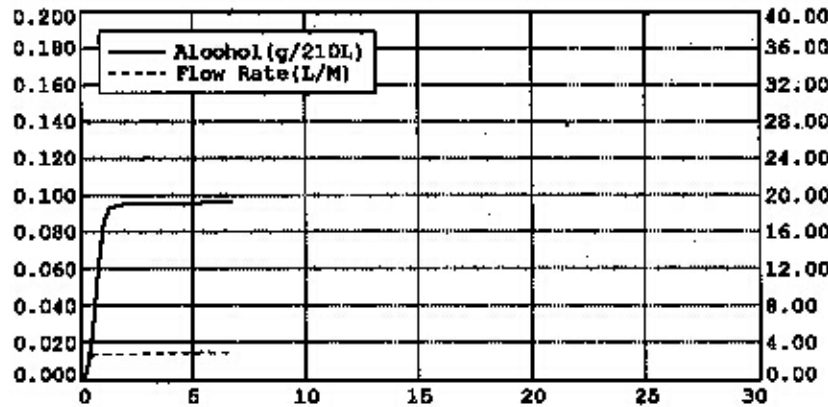
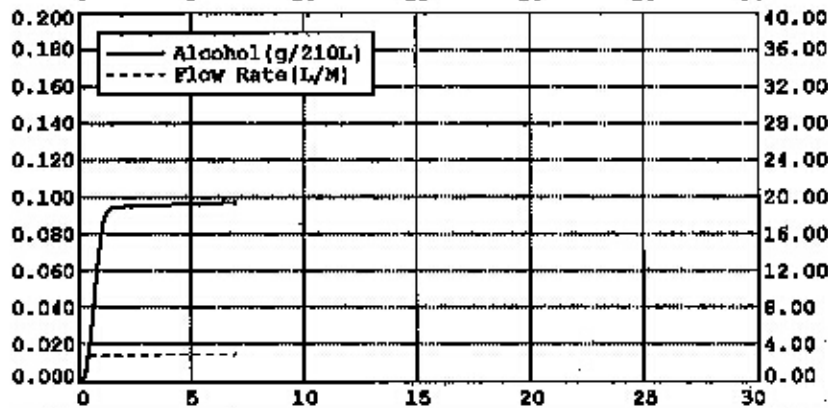
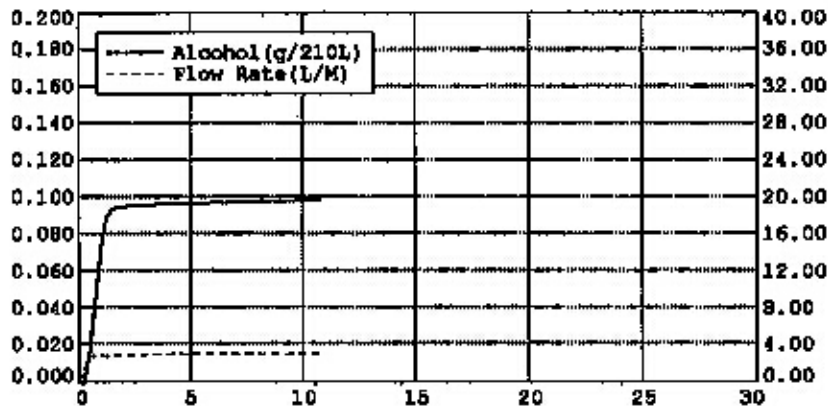
Date: 03/24/2011
 Time: 10:06:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.48: 0.098
 LOT #: ~~0561110002~~ 0561110002 0055/25/11
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:07
INTERNAL STANDARD	VERIFIED	10:07
EXTERNAL STANDARD	0.099	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.098	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.098	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.097	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.097	10:12
BLANK TEST	0.000	10:13

Average = 0.0978
 Std Dev = 0.0008



LINEARITY CHECK: Control Test 5

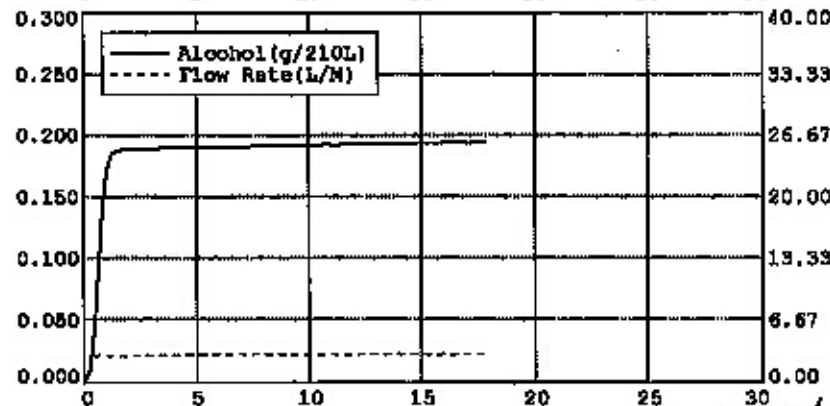
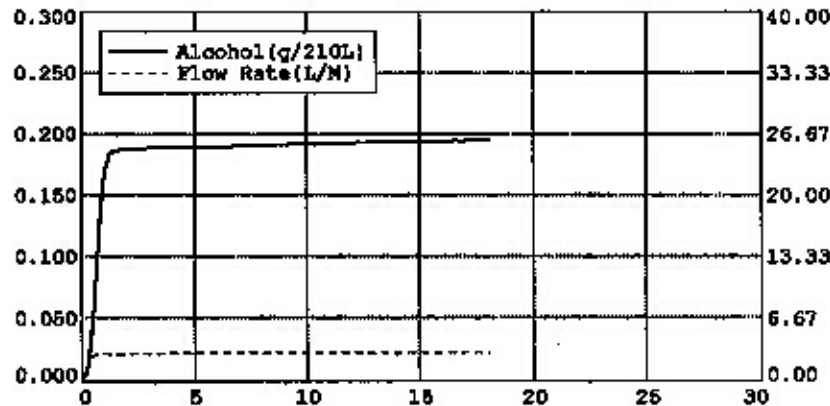
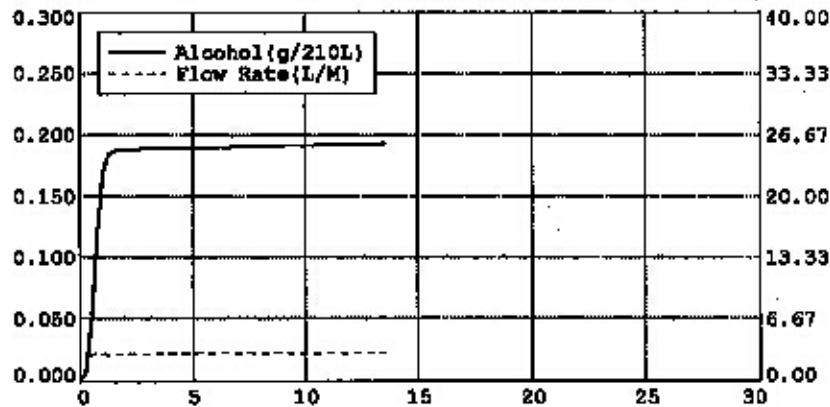
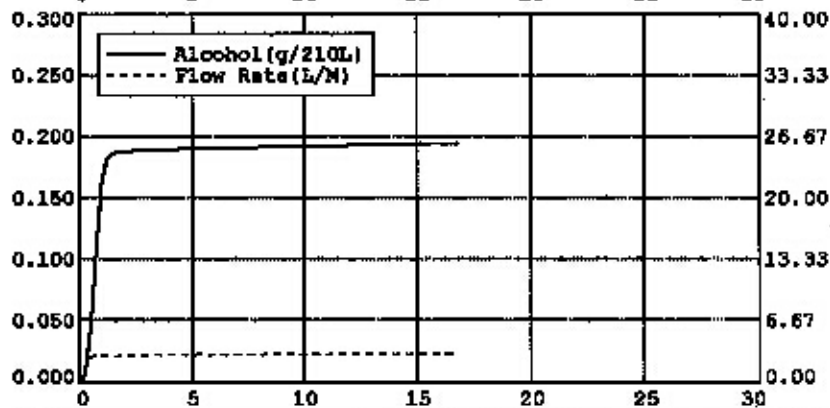
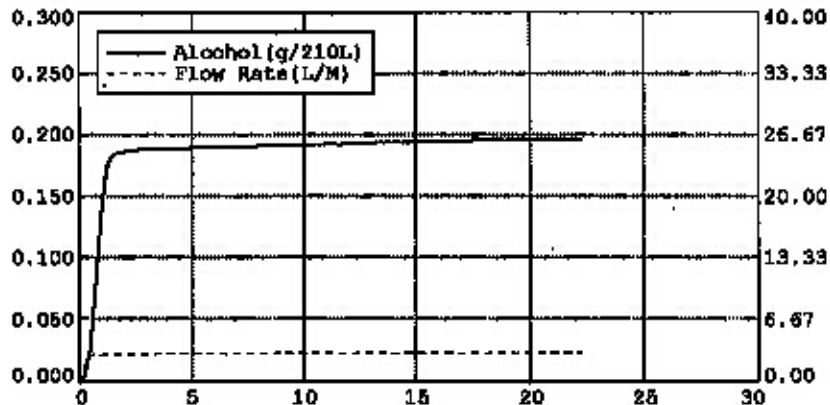
Alaska Department of Public Safety
 DATAMASTER dnt: 100379

Date: 03/24/2011
 Time: 10:14:46

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.49: 0.197
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:15
INTERNAL STANDARD	VERIFIED	10:15
EXTERNAL STANDARD	0.197	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.195	10:18
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.194	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.196	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.195	10:22
BLANK TEST	0.000	10:23

Average = 0.1954
 Std Dev = 0.0011



LINEARITY CHECK: Control Test 6

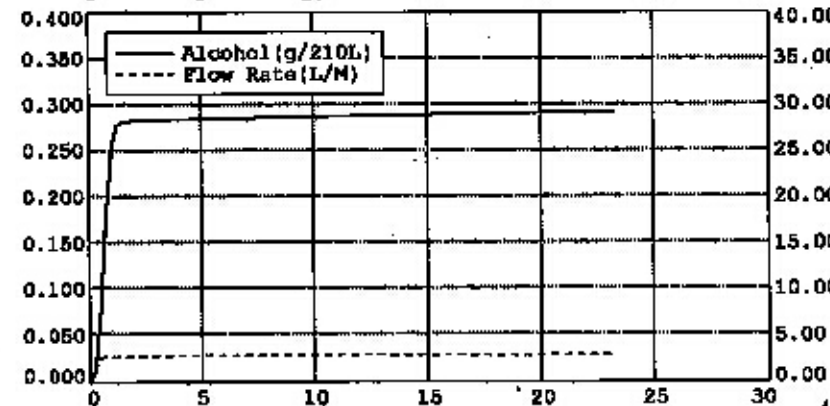
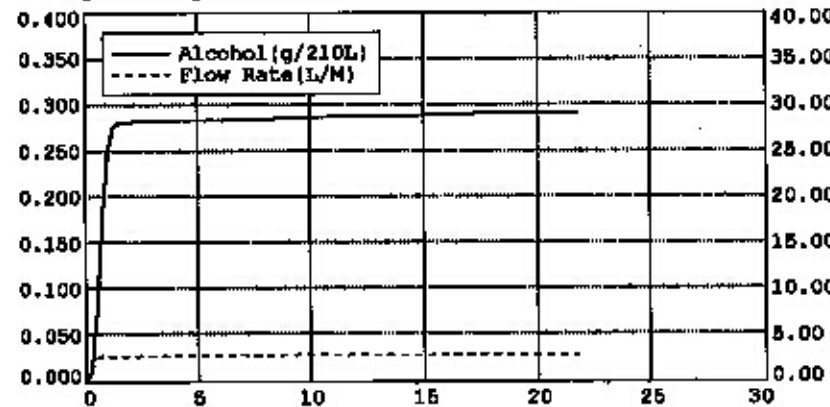
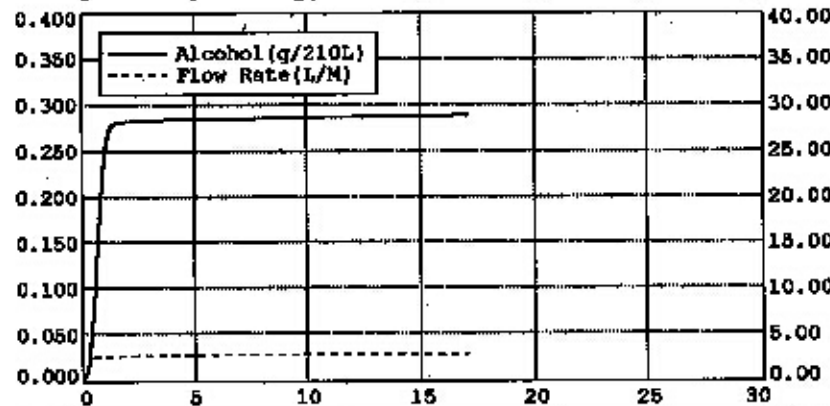
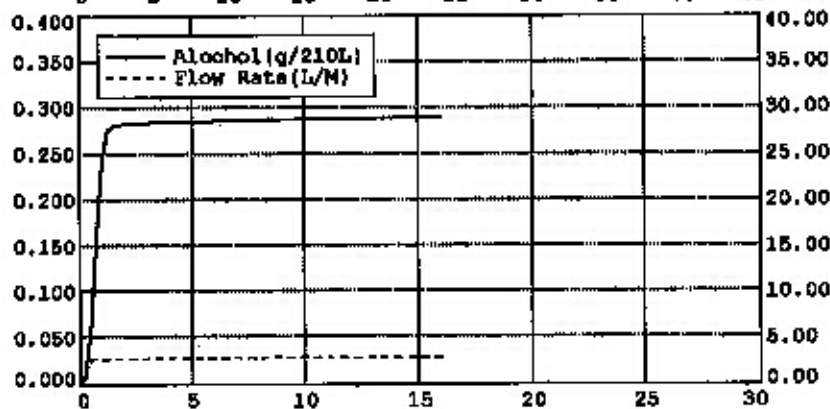
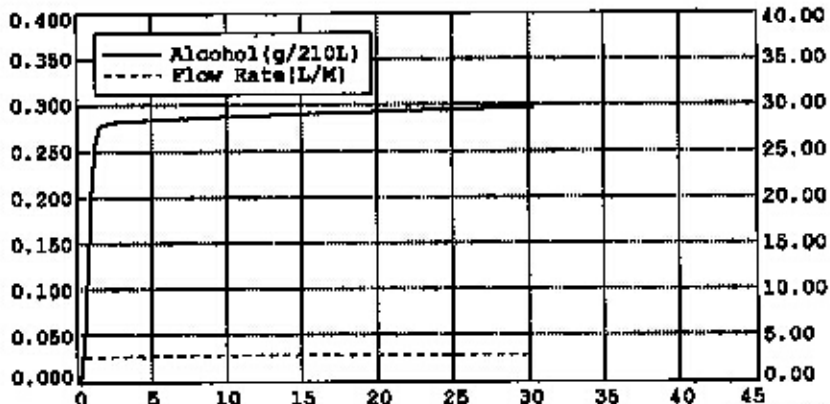
Alaska Department of Public Safety
 DATAMASTER dmt: 100379

Date: 03/24/2011
 Time: 10:24:04

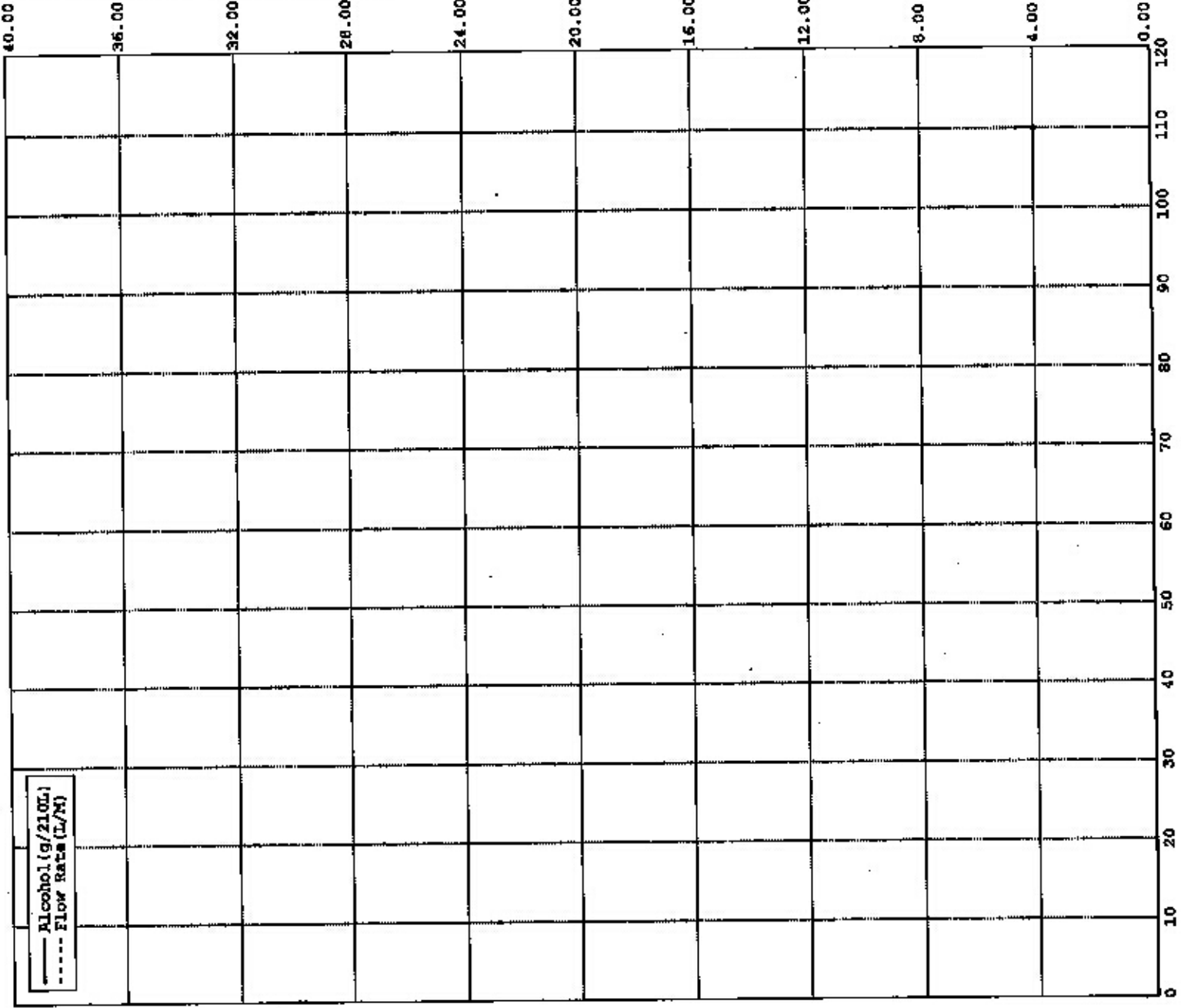
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 29.49: 0.295
 LOT #: 07411300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:25
INTERNAL STANDARD	VERIFIED	10:25
EXTERNAL STANDARD	0.296	10:25
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.290	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.290	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.292	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.293	10:31
BLANK TEST	0.000	10:32

Average = 0.2922
 Std Dev = 0.0025



COB 10/12



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER Unit: 100379

Date: 03/24/2011
 Time: 12:00:37

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

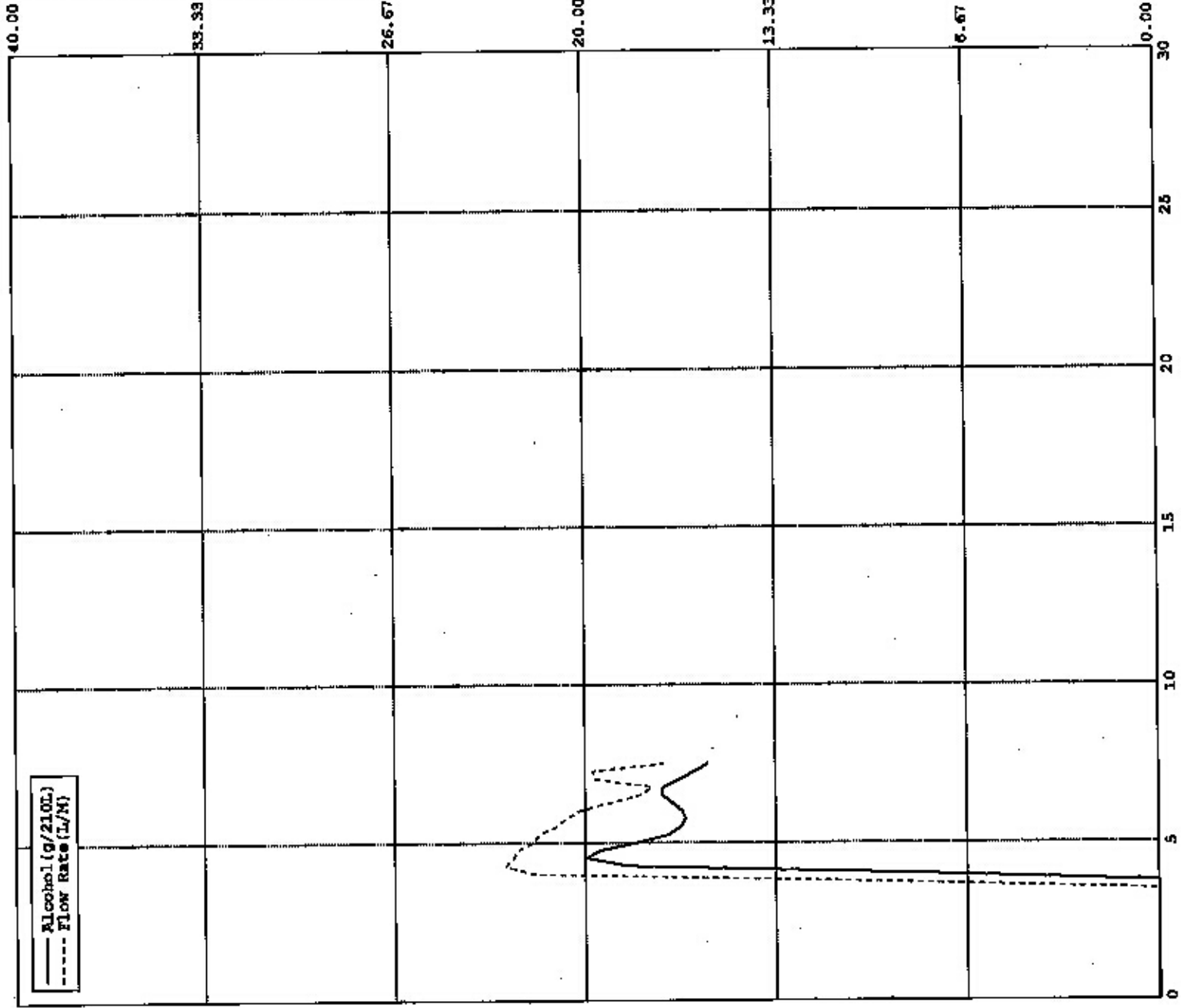
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

DEPT/AGENCY:
 AAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.46: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK PASSED 12:01
 BLANK TEST 0.000 12:01
 INTERNAL STANDARD VERIFIED 12:01
 EXTERNAL STANDARD 0.079 12:02
 BLANK TEST 0.000 12:03
 SUBJECT SAMPLE INCOMPLETE 12:05

CS



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dbcc: 100379

Date: 03/24/2011
 Time: 12:16:02

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

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

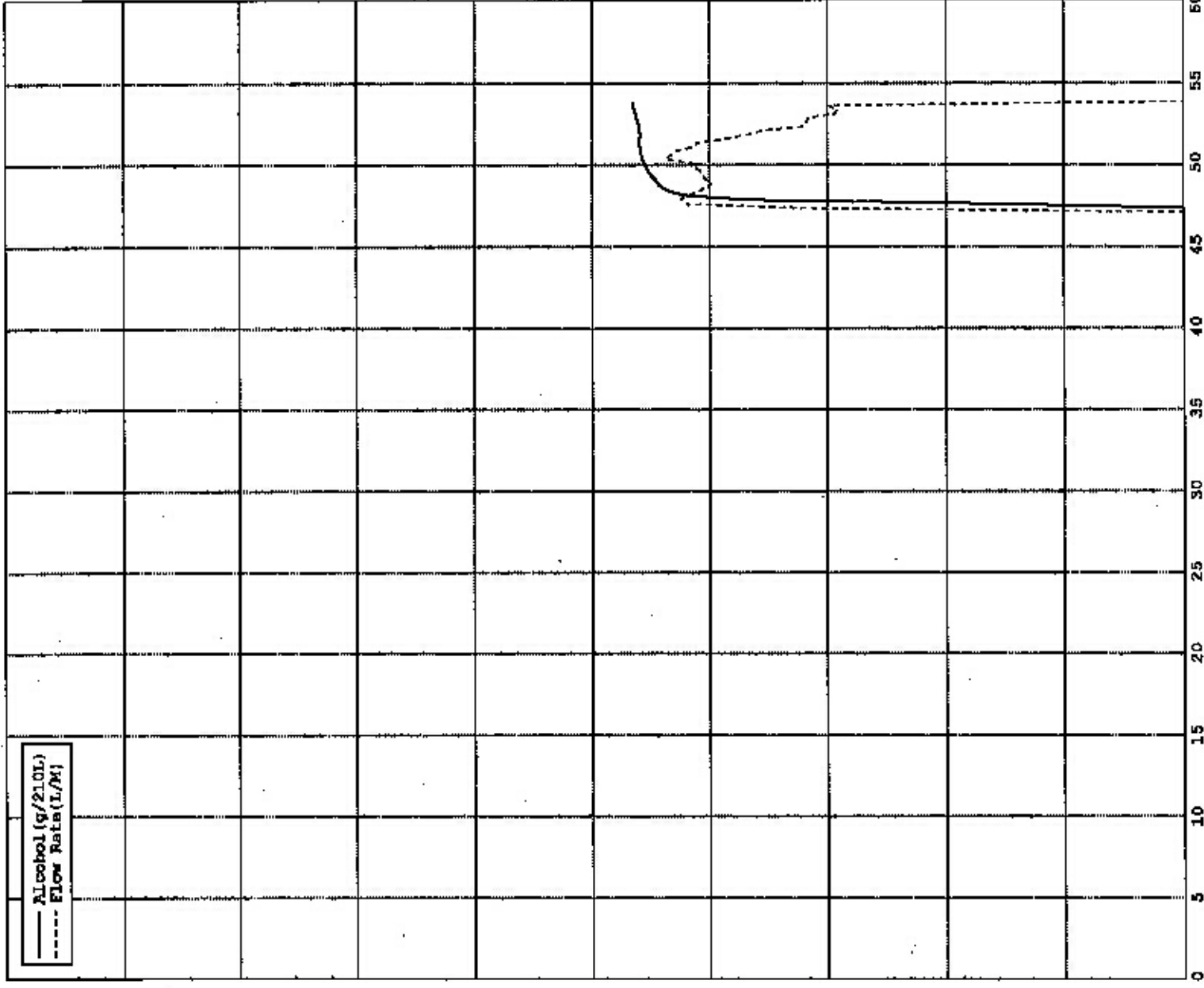
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.46: 0.076
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK PASSED 12:17
 BLANK TEST 0.000 12:17
 INTERNAL STANDARD VERIFIED 12:17
 EXTERNAL STANDARD 0.079 12:17
 BLANK TEST 0.000 12:18
 SUBJECT SAMPLE INVALID 12:18

COB



— Alcohol (g/21.0L)
 - - - - Flow Rate (L/M)

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100379

Date: 03/24/2011
 Time: 12:22:01

SUBJECT NAME:
 TEST TEST
 LICENSE #: DMF-150

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

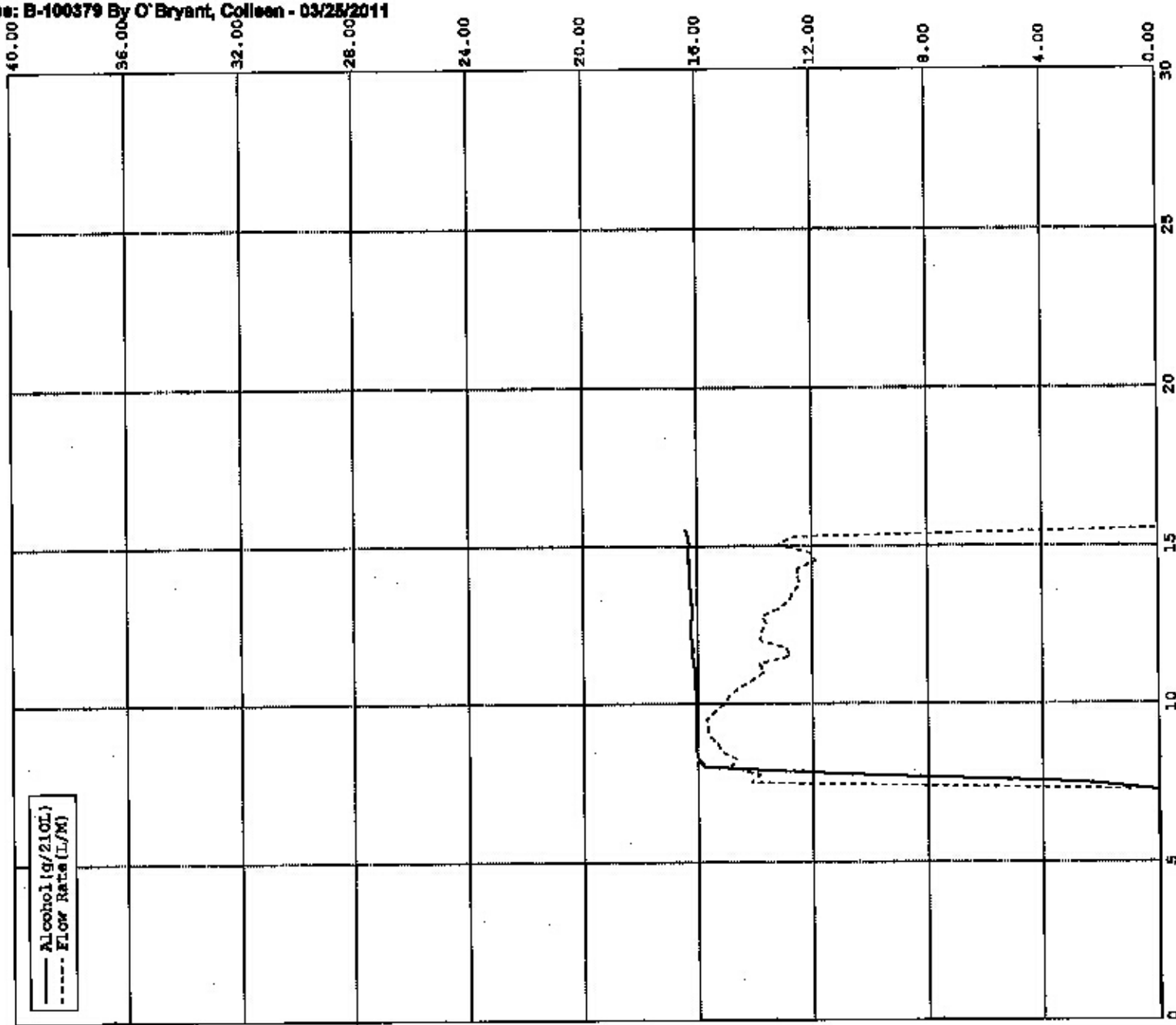
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.46: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK PASSED 12:23
 BLANK TEST 0.000 12:23
 INTERNAL STANDARD VERIFIED 12:23
 EXTERNAL STANDARD 0.080 12:24
 BLANK TEST 0.000 12:25
 SUBJECT SAMPLE INTERFERENCE 12:26

COB
 COB 15/18



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100379

Date: 03/24/2011
 Time: 12:29:36

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTF-ACET

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

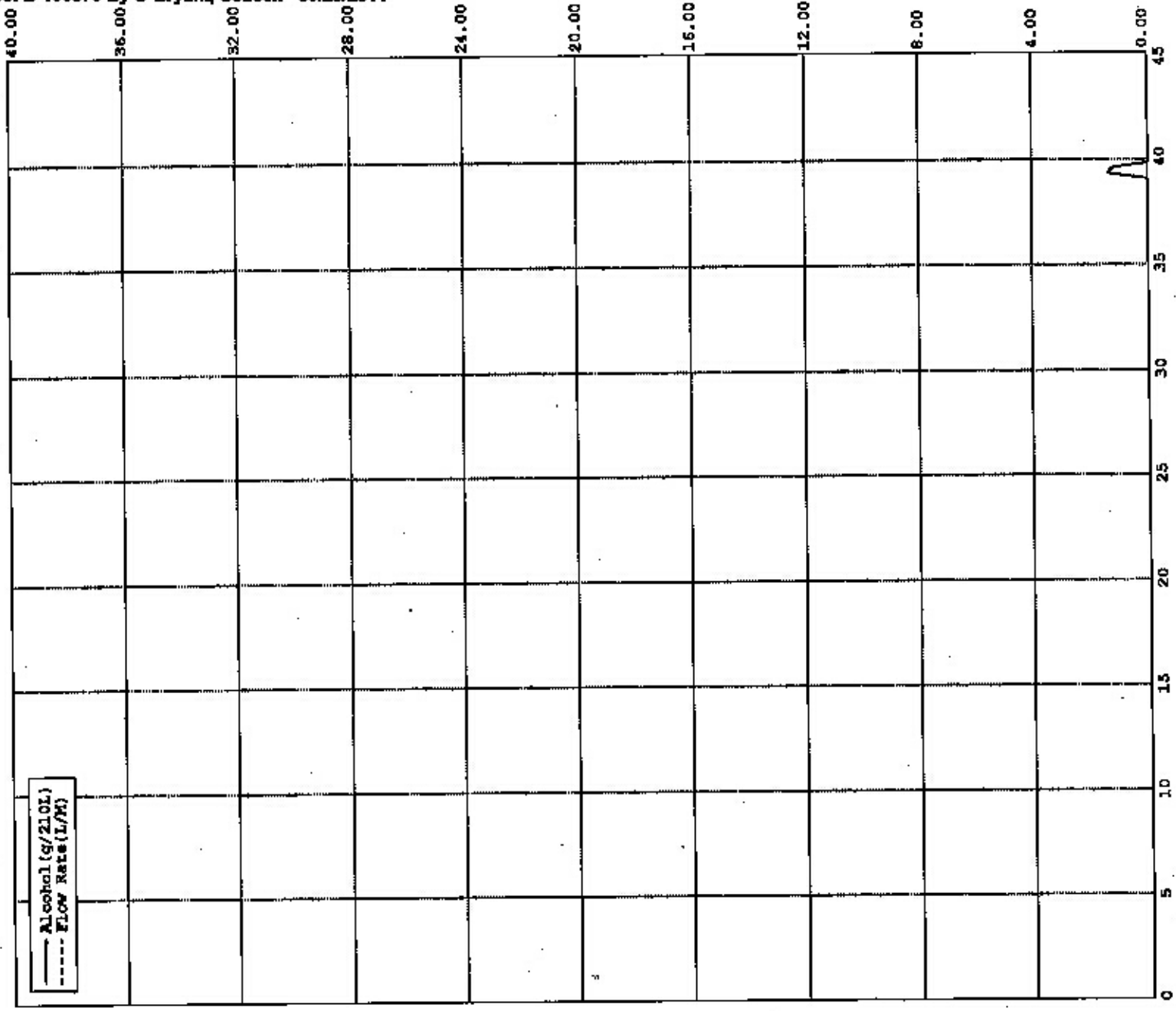
DEPT/AGENCY:
 AARL
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.45: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	12:30
BLANK TEST	0.000	12:30
INTERNAL STANDARD	VERIFIED	12:30
EXTERNAL STANDARD	0.079	12:31
BLANK TEST	0.000	12:32
SUBJECT SAMPLE	INTERFERENCE	12:32

CS

CS 3/24



SUBJECT TEST

Alaska Department of Public Safety

DATAWATER dmt: 100379

Date: 03/24/2011
Time: 12:56:13

SUBJECT NAME:
TEST TEST
LICENSE #: RFI

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

DEPT/AGENCY:
AAA1
CASE/REPORT: 11-1234
TEST TYPE: TEST

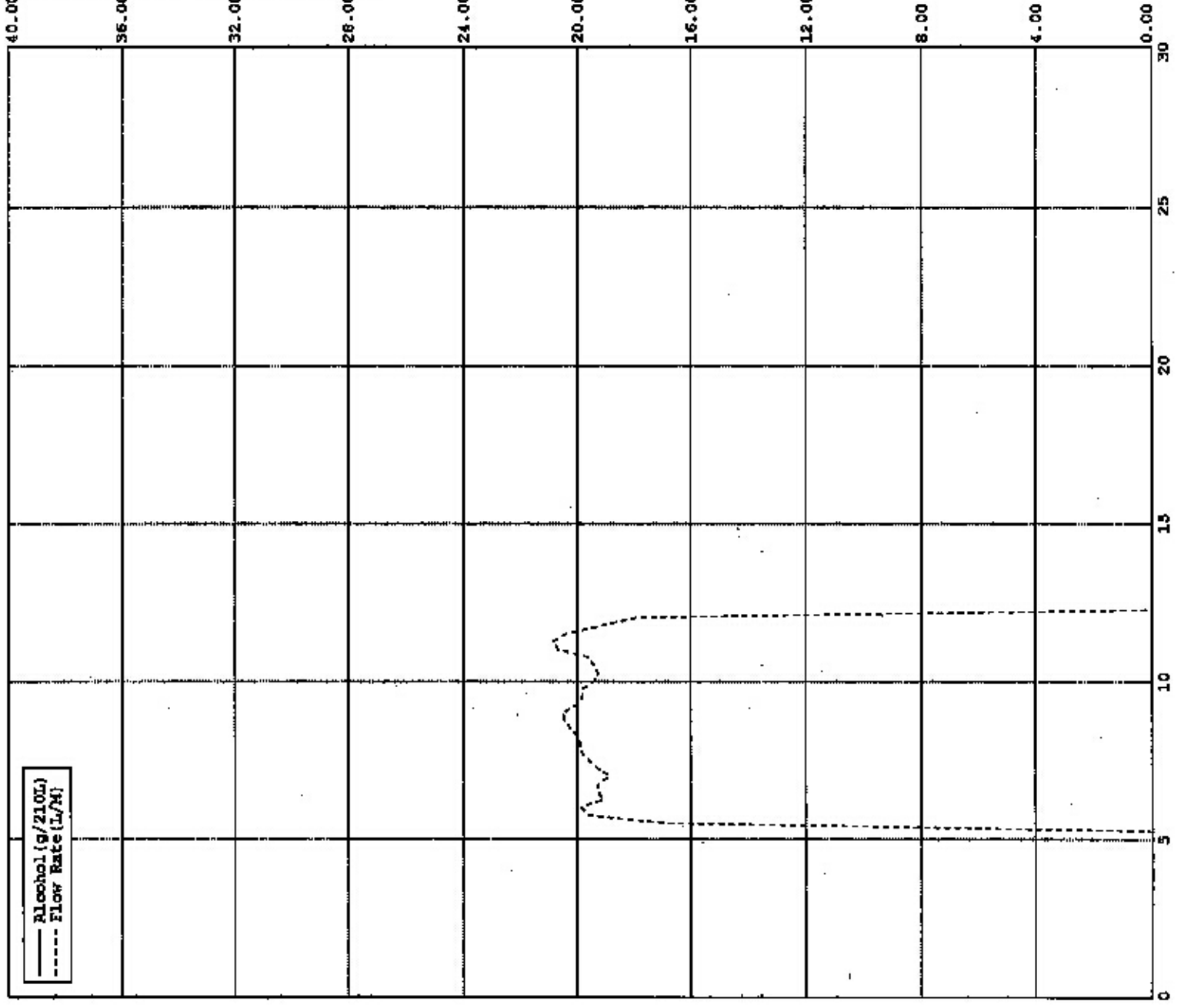
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.45: 0.078
LOT #: 02511080A3
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK PASSED 12:57
BLANK TEST 0.000 12:57
INTERNAL STANDARD VERIFIED 12:57
EXTERNAL STANDARD 0.079 12:57
BLANK TEST 0.000 12:58

RFI Detected

0037/18



— Alcohol (g/210L)
 - - - - - Flow Rate (L/M)

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100379

Date: 03/24/2011
 Time: 13:02:21

SUBJECT NAME:
 TEST TEST
 LICENSE #: NON-DRINKING

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

DEPT/AGENCY:
 AAPA

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.45: 0.078
 LOT #: 02511080A3
 EXPIRATION: 02/01/2013

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	13:03
BLANK TEST	0.000	13:03
INTERNAL STANDARD	VERIFIED	13:04
EXTERNAL STANDARD	0.079	13:04
BLANK TEST	0.000	13:05
SUBJECT SAMPLE	0.000	13:05
BLANK TEST	0.000	13:06
EXTERNAL STANDARD	0.080	13:06
BLANK TEST	0.000	13:07

CAB
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Final page for report

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