	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 # 100397

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 1500 mL
5. Dry Gas Linearity Test (attached)
 - a. Levels Used

Analyst Colleen O'BryantDate 5/19/11

- i. 0.020g/210L Mnf ILMO Lot 02811020A1 Exp 2/1/13
 - ii. 0.040g/210L Mnf ILMO Lot 02811040A2 Exp 2/1/13
 - iii. 0.080g/210L Mnf ILMO Lot 02511080A2 Exp 2/1/13
 - iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 3/1/13
 - v. 0.200g/210L Mnf ILMO Lot 07611200A2 Exp 3/1/13
 - vi. 0.300g/210L Mnf ILMO Lot 07411300A1 Exp 2/1/13
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone - Mnf Guth Lot 9340 Level 0.080 Exp 12/2/11
 1. Simulator Calibration Date 10/18/10 SN DR6267
 - ii. Isopropanol - Mnf Guth Lot 9340 Level 0.080 Exp 4/2/11
 1. Simulator Calibration Date 8/4/10 SN SD1202
 - d. 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: 100397

Date: 05/19/2011
Time: 09:16:13

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
Breath Tube = 48.0°C PASSED

PUMP INFO

Flow Rate = 4.760 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

COB/18

Technician Screen

DATAMASTER Unit: 100397

Date: 05/19/2011
Time: 9:24 AM

Temperatures (°C)

Sample Cell: 49.1°C
Breath Tube: 48.1°C

Current Barometer: 29.7 in
Volume (Ltr): 1.57

Settings

Lamp: 1.71 V
Bias: 81 V
Cooler: 1.74 V
Chopper: 526 Hz

Voltages (V)

Flow: 1.06 V
Detector: 0.375 V

COB 3/10

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100397

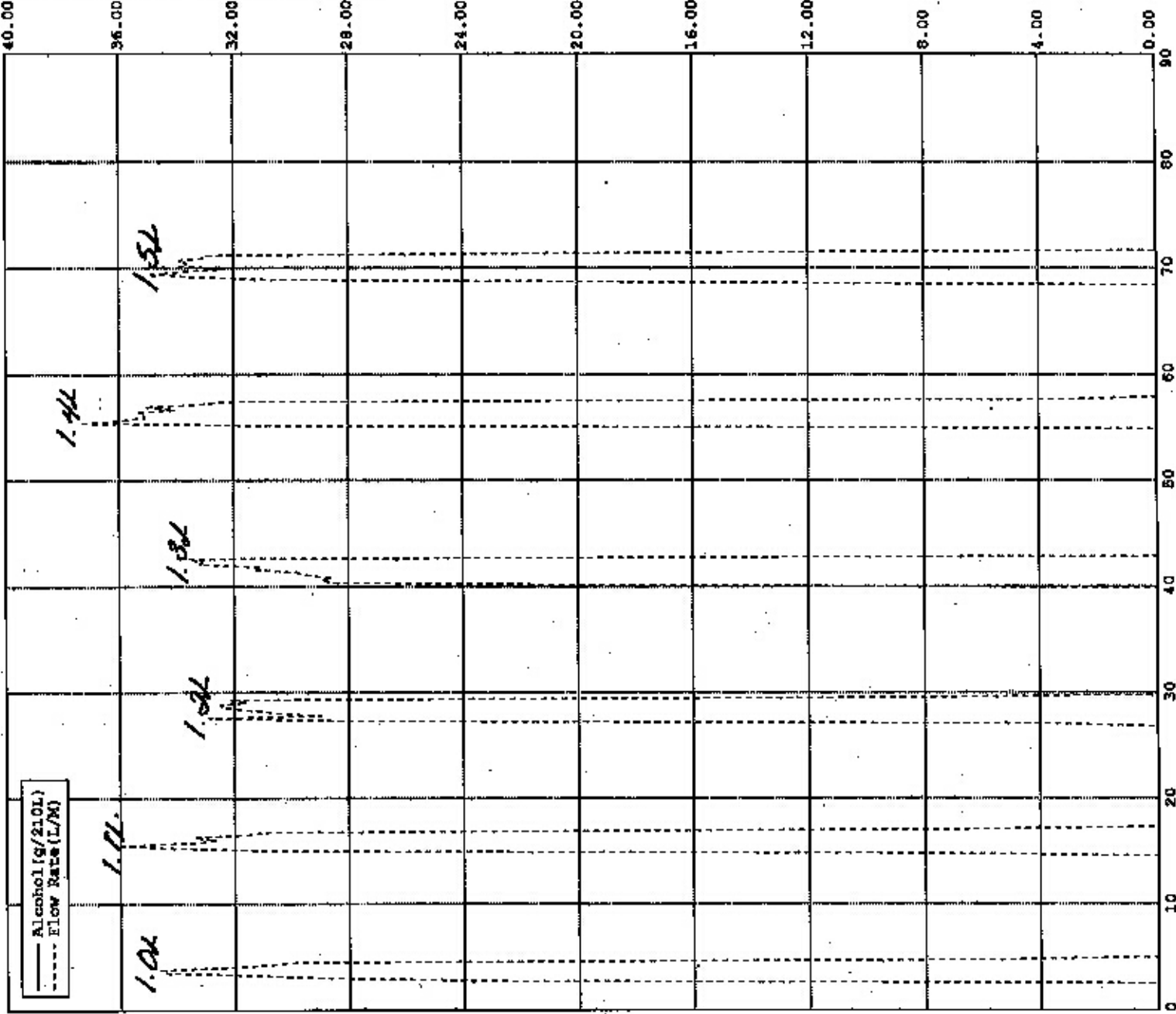
Date: 05/18/2011
Time: 13:35:39

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

LOT #: GUTH100
BOTTLE #: 10260
EXPIRATION: 10/25/2010

Ca	=	0.1000		
CAL	=	0.983031	0.800	<= CAL < 1.200
b1	=	0.0003	0.0000	<= b1 < 0.0040
b2	=	0.0079	0.0010	<= b2 < 0.0100
b3	=	0.0004	0.0000	<= b3 < 0.0040
Xq	=	0.0932	0.0500	<= Xq < 0.2000
a21	=	1.208582	1.050	<= a21 < 1.300
a31	=	0.521034	0.300	<= a31 < 0.800

COB 4/18



SUBJECT TEST

Alaska Department of Public Safety
 DISPATCHER dmt: 100397

Date: 05/19/2011
 Time: 09:26:16

SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST

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 29.74: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	09:27
BLANK TEST	0.000	09:27
INTERNAL STANDARD	VERIFIED	09:27
EXTERNAL STANDARD	0.079	09:27
BLANK TEST	0.000	09:28
SUBJECT SAMPLE	0.000	09:29
BLANK TEST	0.000	09:30
EXTERNAL STANDARD	0.080	09:31
BLANK TEST	0.000	09:32

CB

05/19

LINEARITY CHECK

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

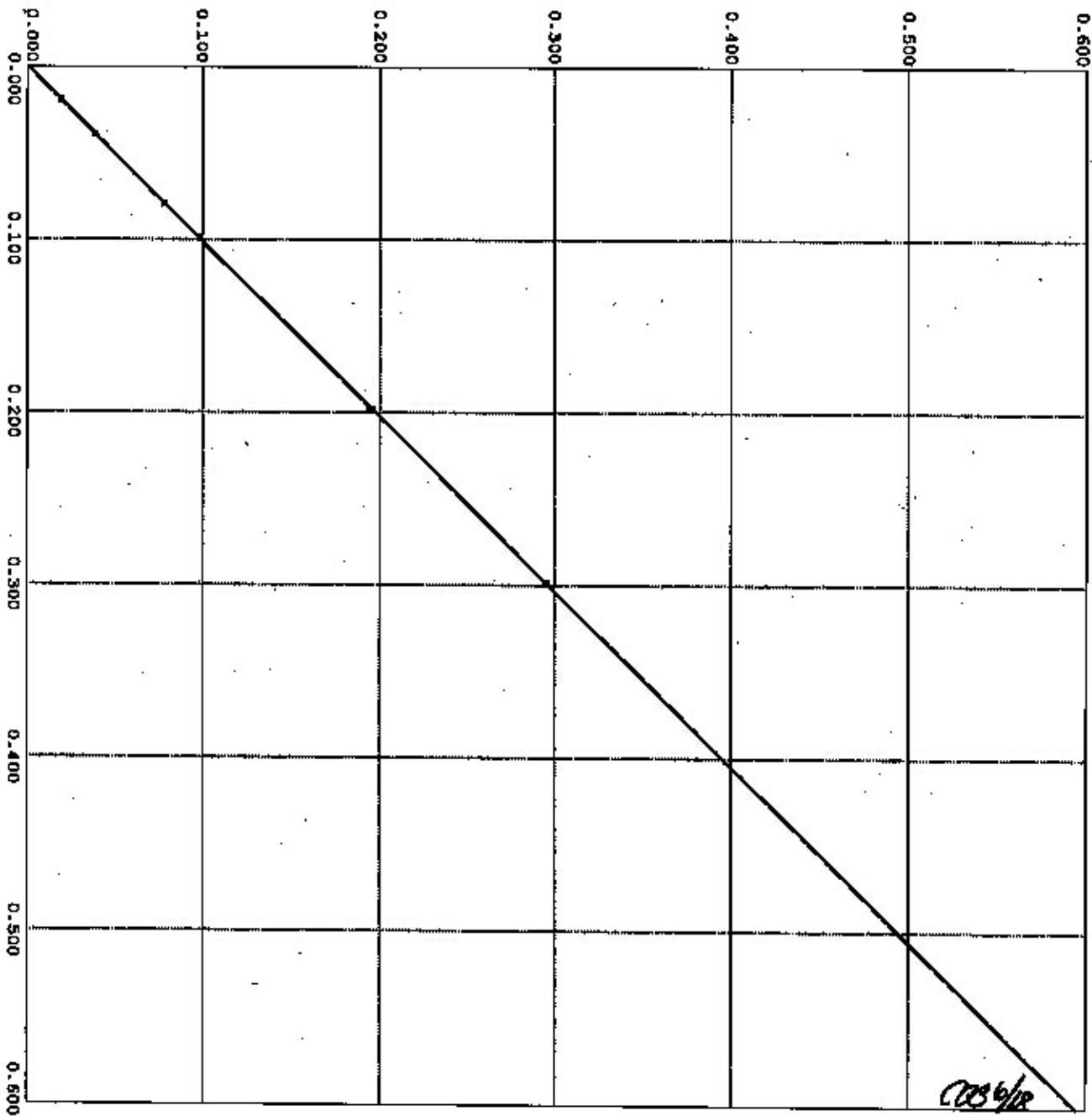
Date: 05/19/2011
 Time: 09:35:22

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.039	0.0392	0.0004
0.079	0.0792	0.0004
0.099	0.0992	0.0004
0.198	0.1958	0.0015
0.298	0.2962	0.0013

STOPS = 0.989108
 R² = 0.999986

COB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

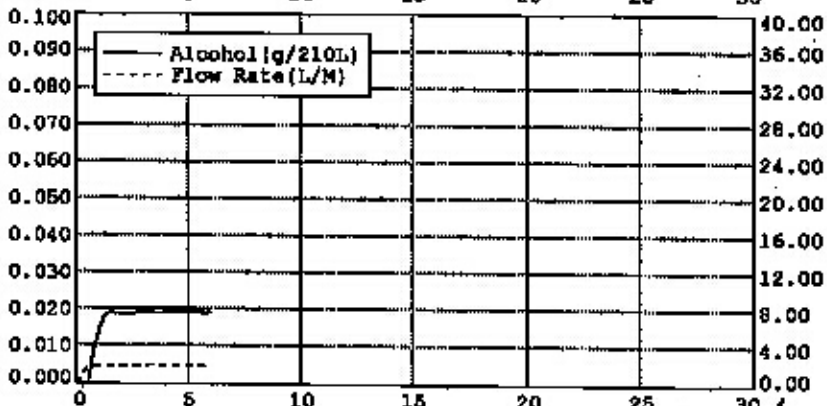
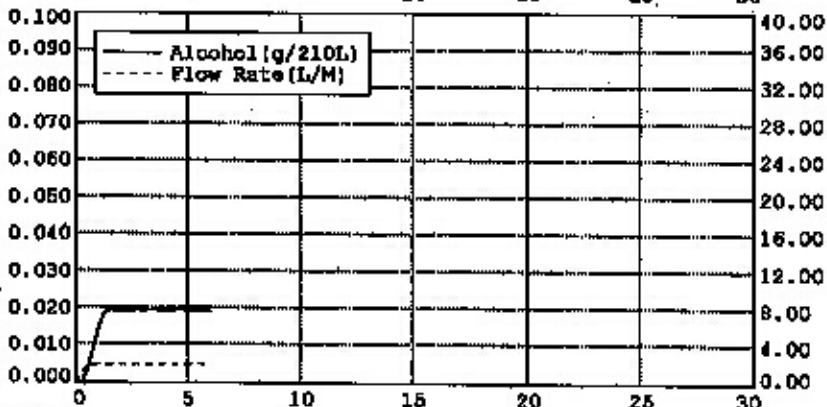
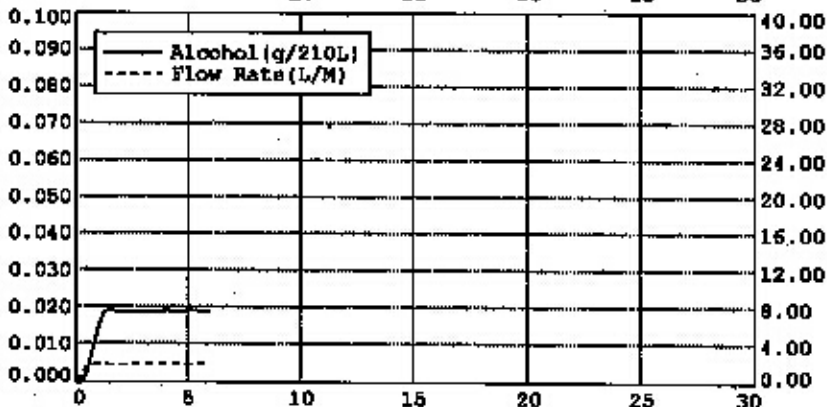
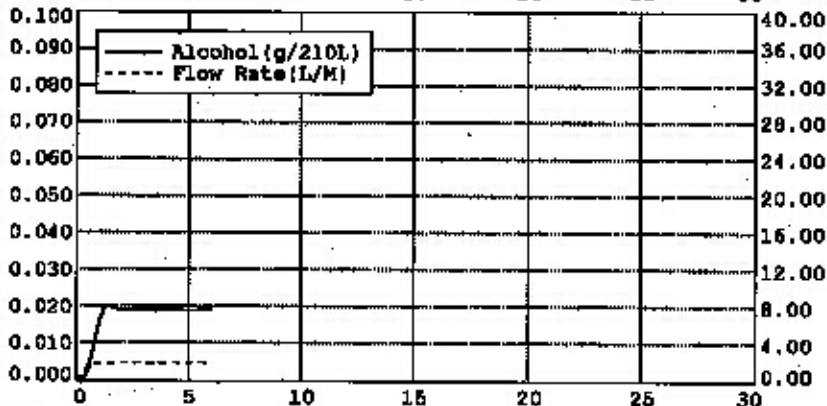
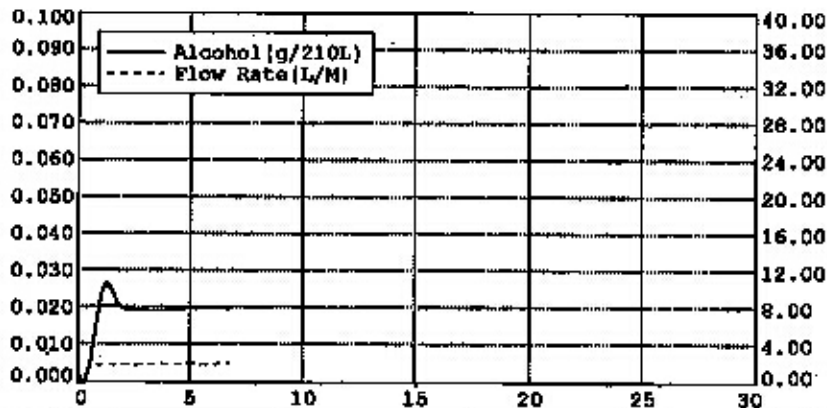
Date: 05/19/2011
 Time: 09:35:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.74: 0.019
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:36
INTERNAL STANDARD	VERIFIED	09:36
EXTERNAL STANDARD	0.020	09:36
BLANK TEST	0.000	09:37
EXTERNAL STANDARD	0.020	09:37
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.020	09:38
BLANK TEST	0.000	09:39
EXTERNAL STANDARD	0.020	09:40
BLANK TEST	0.000	09:40
EXTERNAL STANDARD	0.020	09:41
BLANK TEST	0.000	09:42

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

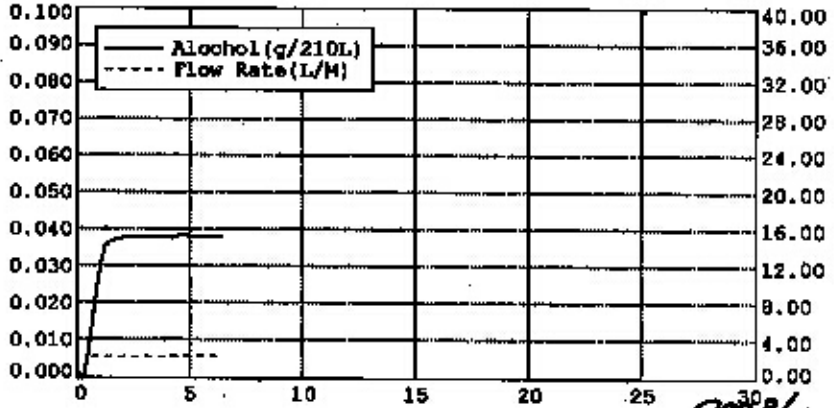
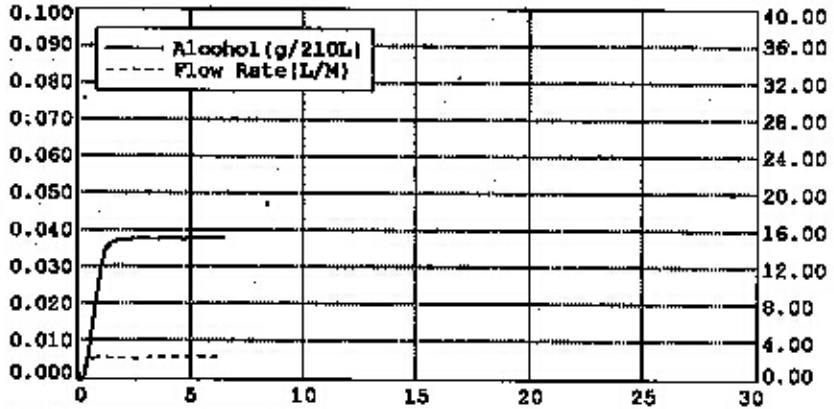
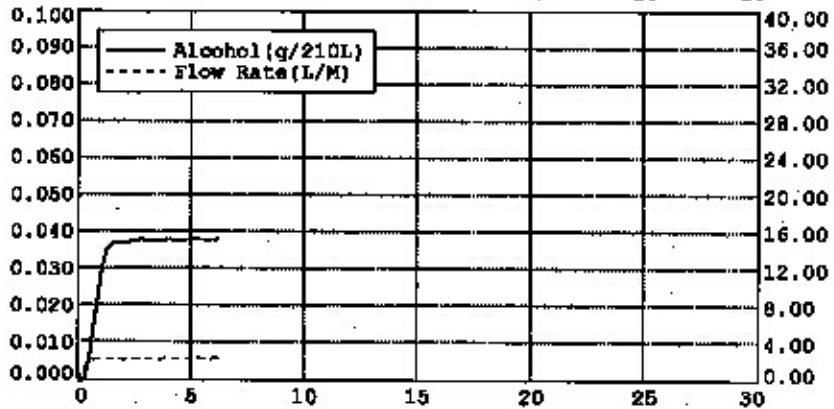
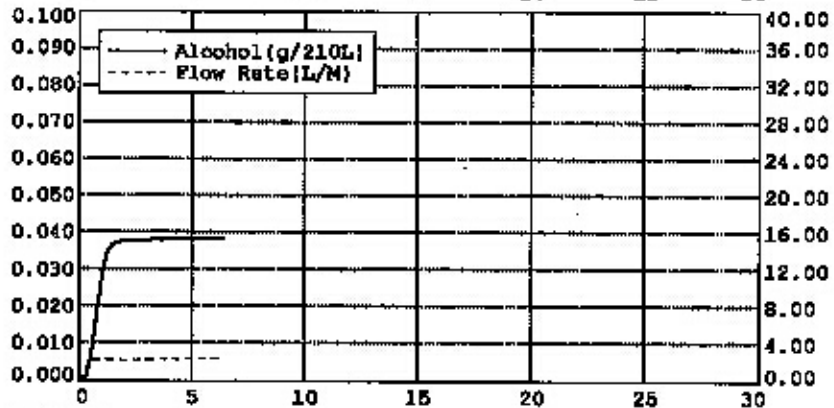
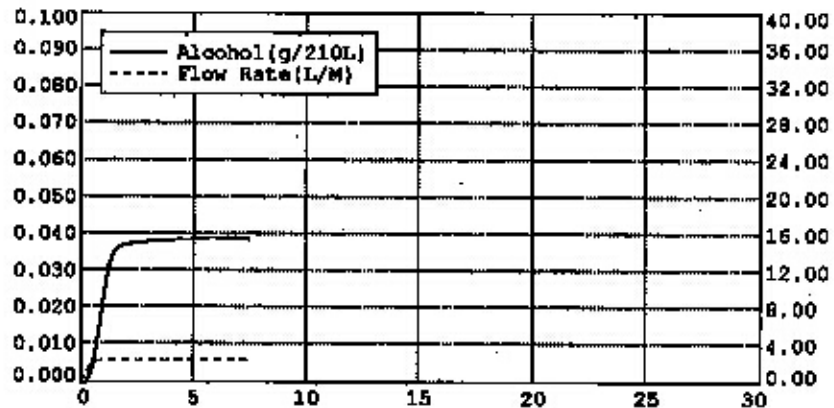
Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 05/19/2011
 Time: 09:43:11

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 29.74: 0.039
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:44
INTERNAL STANDARD	VERIFIED	09:44
EXTERNAL STANDARD	0.040	09:44
BLANK TEST	0.000	09:45
EXTERNAL STANDARD	0.039	09:46
BLANK TEST	0.000	09:46
EXTERNAL STANDARD	0.039	09:47
BLANK TEST	0.000	09:48
EXTERNAL STANDARD	0.039	09:48
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.039	09:49
BLANK TEST	0.000	09:50

Average = 0.0392
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

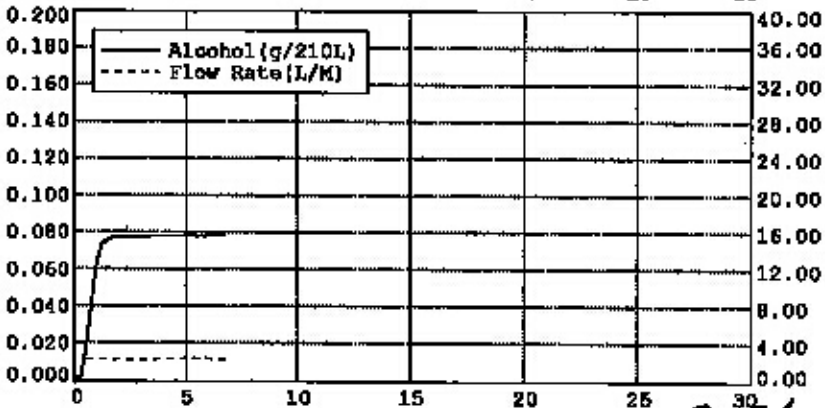
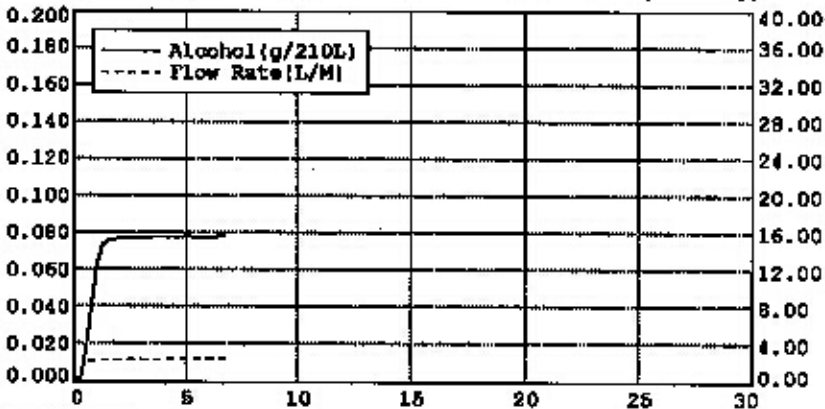
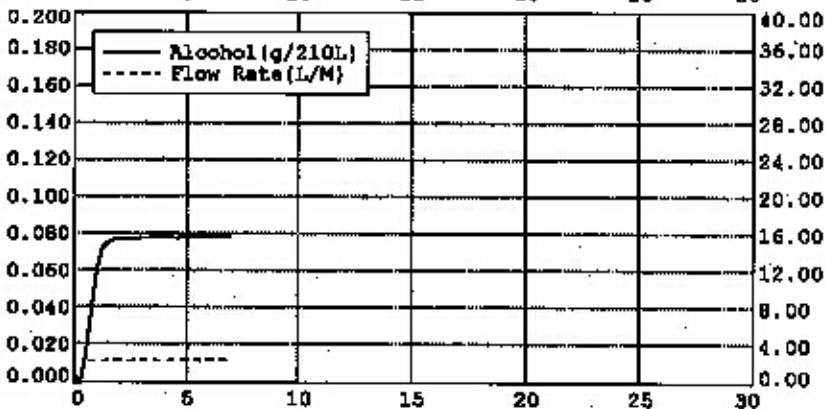
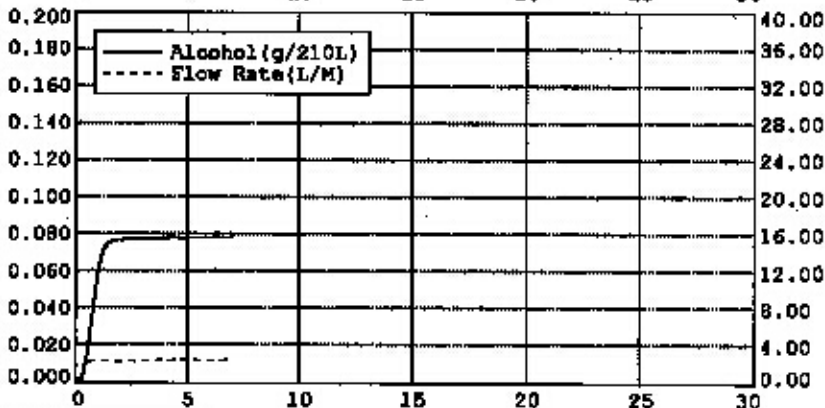
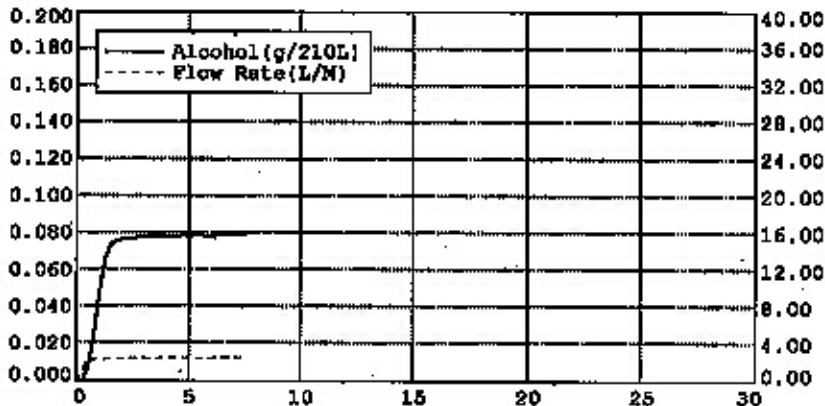
Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 05/19/2011
 Time: 09:52:13

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.74: 0.079
 LOT #: 02511080A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:53
INTERNAL STANDARD	VERIFIED	09:53
EXTERNAL STANDARD	0.080	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.079	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.079	09:55
BLANK TEST	0.000	09:56
EXTERNAL STANDARD	0.079	09:56
BLANK TEST	0.000	09:57
EXTERNAL STANDARD	0.079	09:58
BLANK TEST	0.000	09:58

Average = 0.0792
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

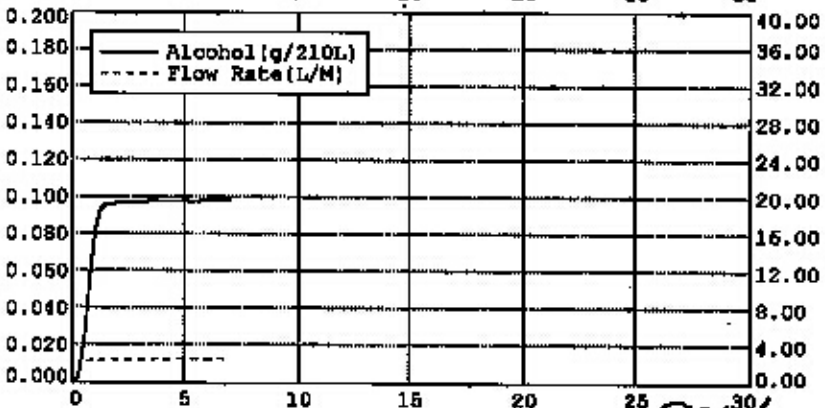
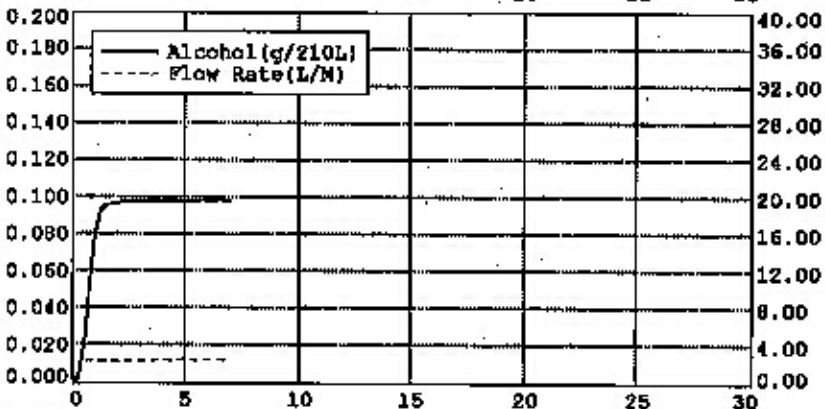
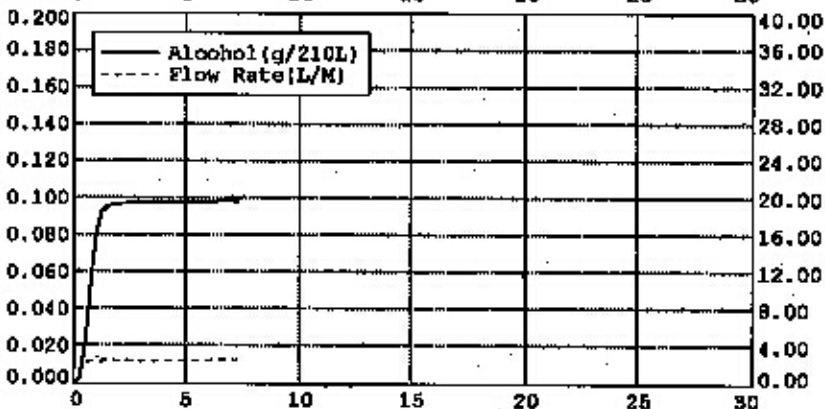
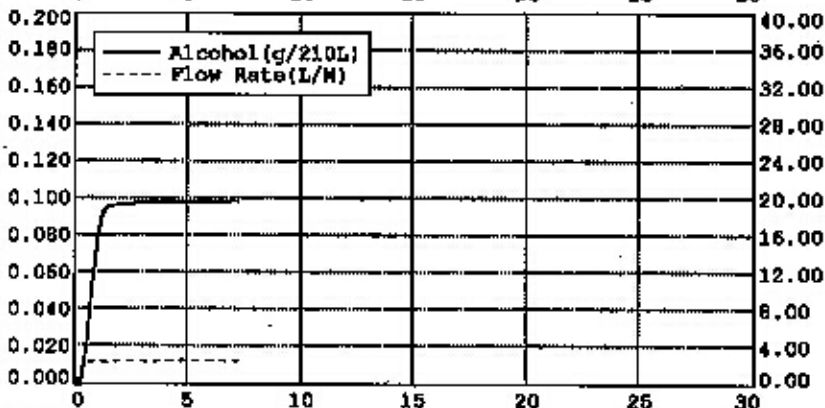
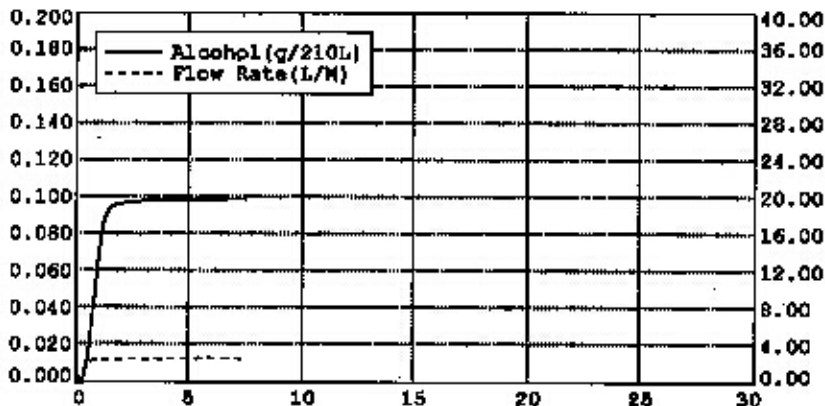
Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 05/19/2011
 Time: 10:00:34

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100
 TARGET AT 29.73: 0.099
 LOT #: 07611100A3
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:01
INTERNAL STANDARD	VERIFIED	10:01
EXTERNAL STANDARD	0.100	10:02
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.099	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.099	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.099	10:05
BLANK TEST	0.000	10:06
EXTERNAL STANDARD	0.099	10:06
BLANK TEST	0.000	10:07

Average = 0.0992
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

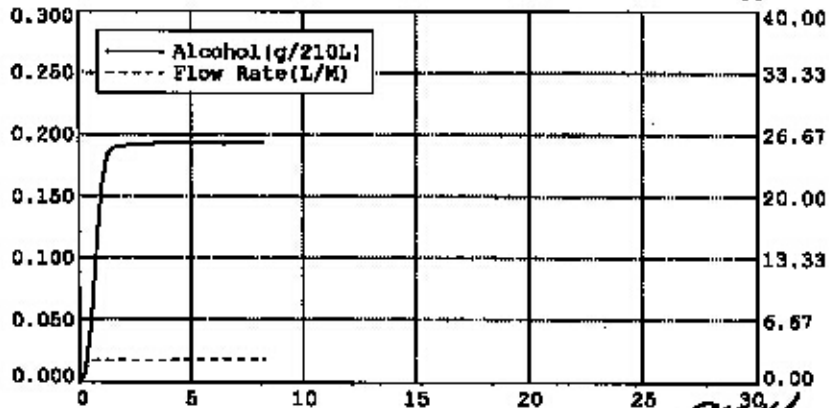
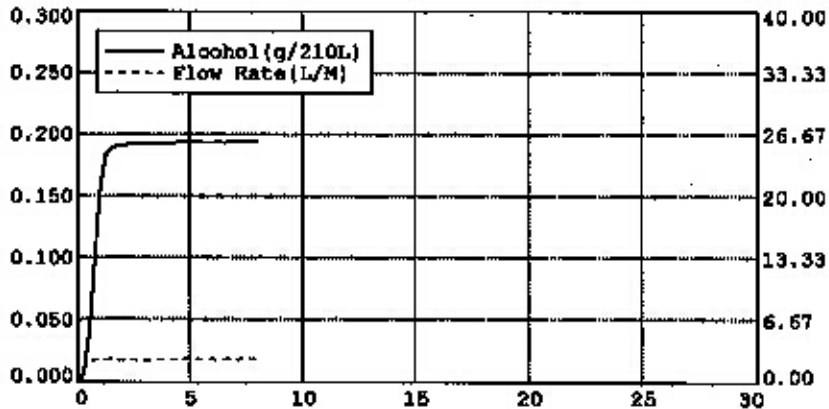
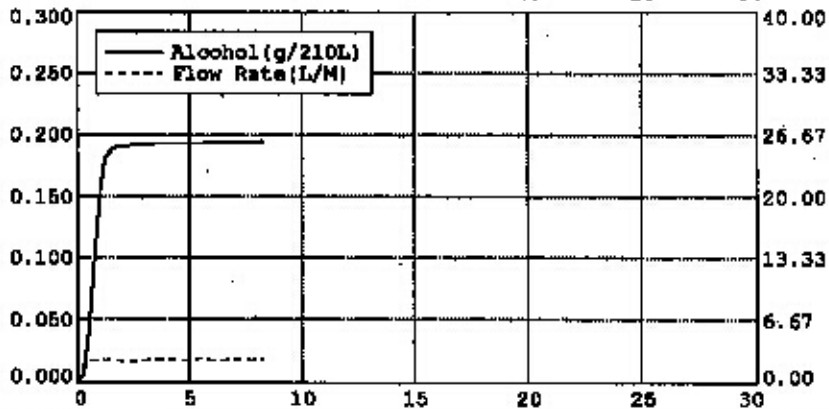
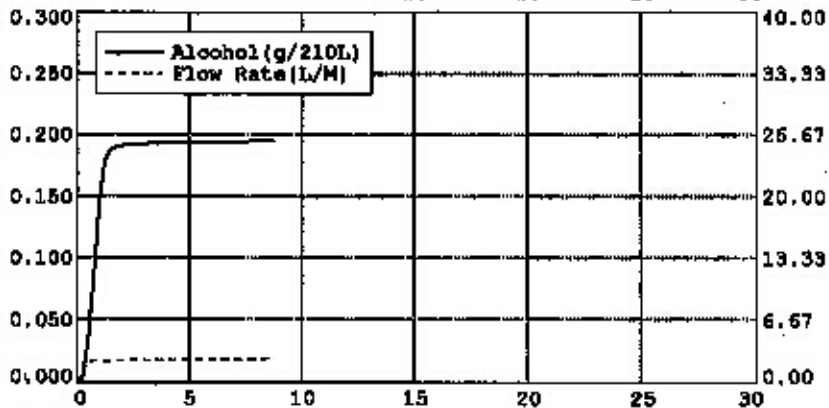
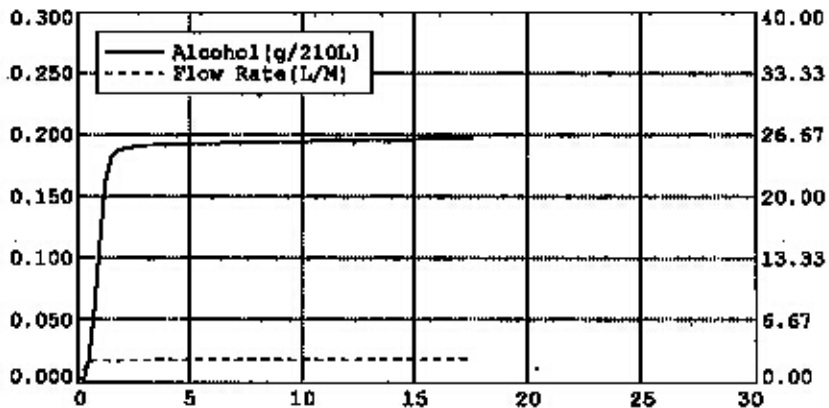
Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 05/19/2011
 Time: 10:08:42

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200
 TARGET AT 29.73: 0.198
 LOT #: 07611200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:09
INTERNAL STANDARD	VERIFIED	10:09
EXTERNAL STANDARD	0.198	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.196	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.195	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.196	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.194	10:15
BLANK TEST	0.000	10:16

Average = 0.1958
 Std Dev = 0.0015



LINEARITY CHECK: Control Test 6

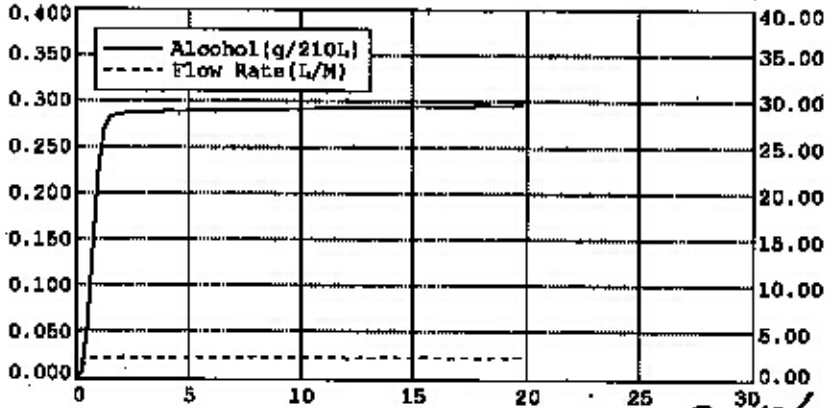
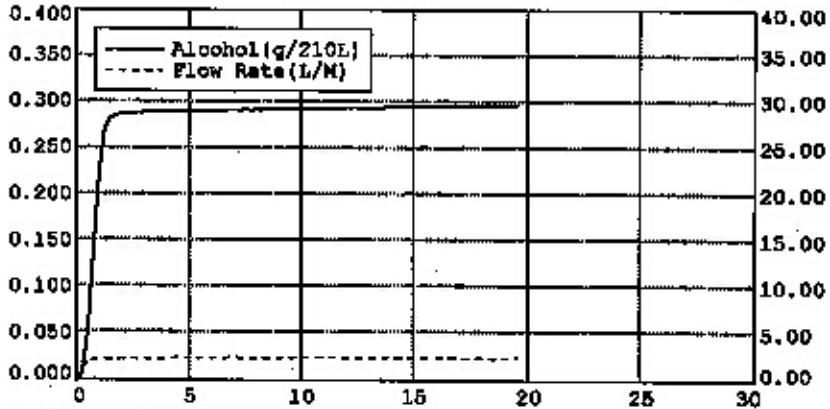
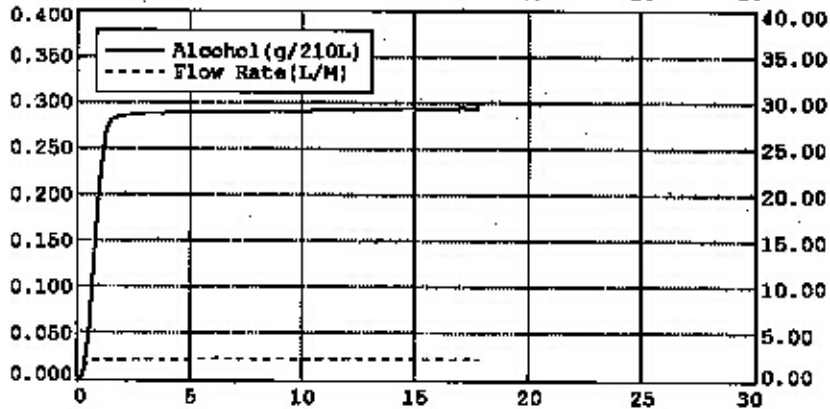
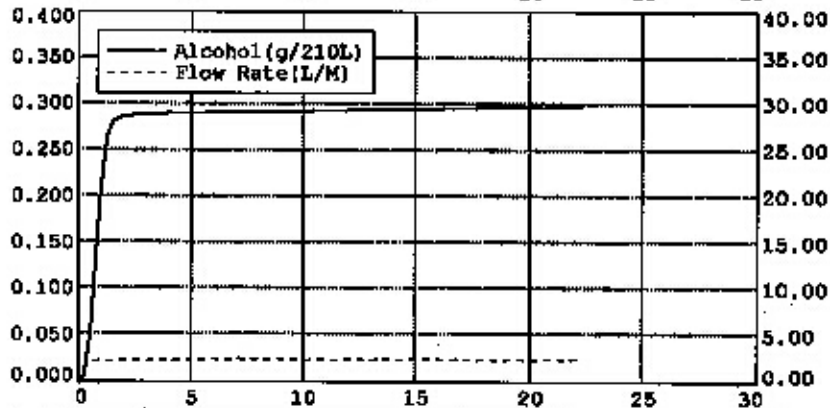
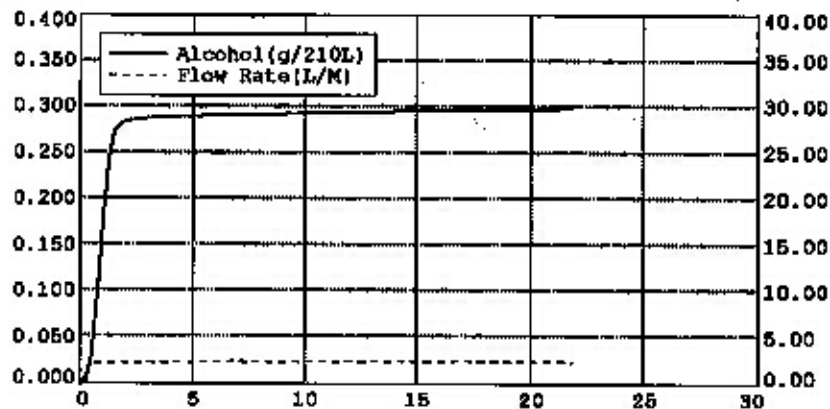
Alaska Department of Public Safety
DATAMASTER dat; 100397

Date: 08/19/2011
Time: 10:16:55

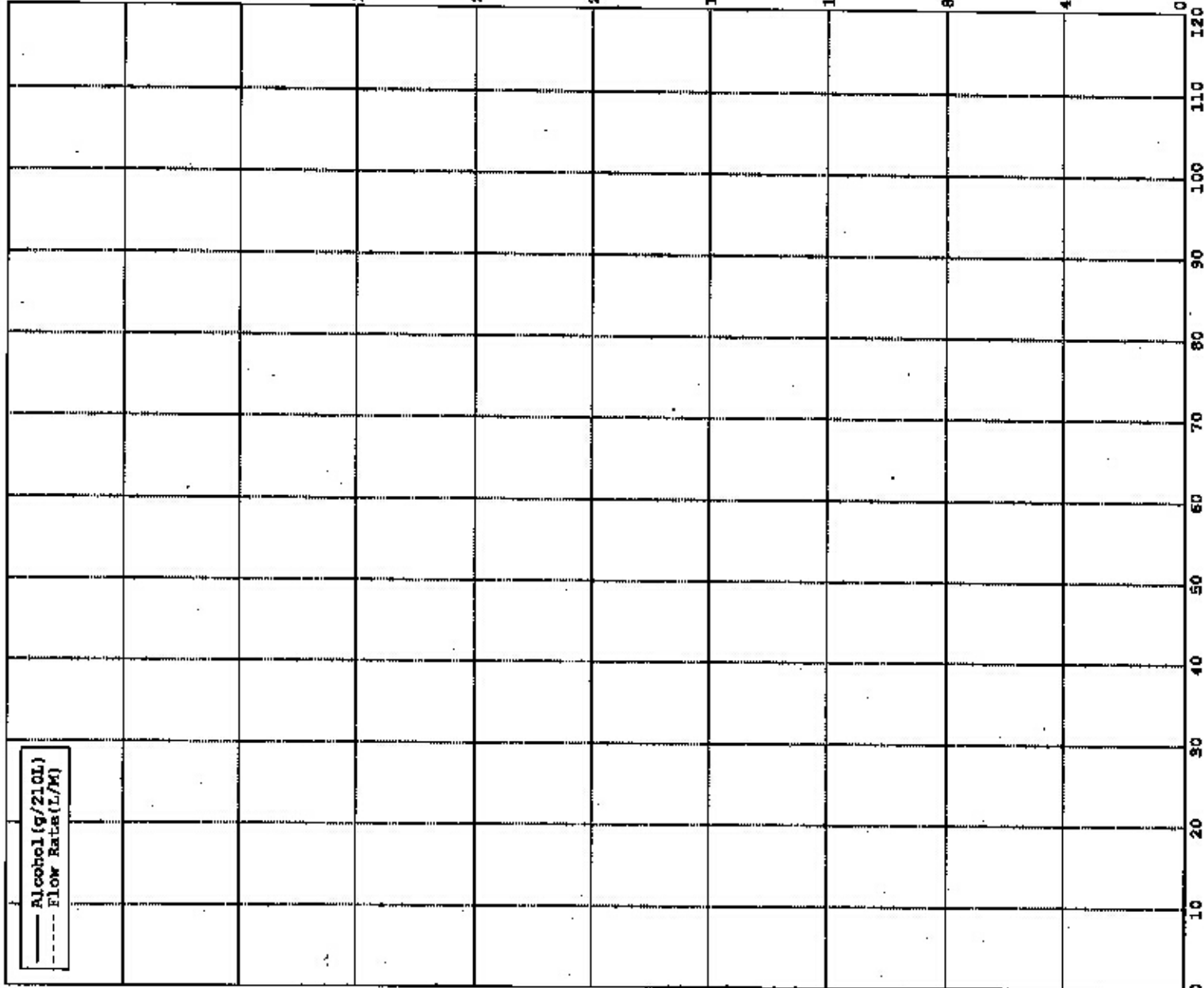
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.73: 0.298
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	10:17
INTERNAL STANDARD	VERIFIED	10:18
EXTERNAL STANDARD	0.298	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.297	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.295	10:21
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.295	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.296	10:24
BLANK TEST	0.000	10:26

Average = 0.2962
Std Dev = 0.0013



08/19/11



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER Unit: 100397

Date: 05/19/2011
 Time: 11:40:05

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

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

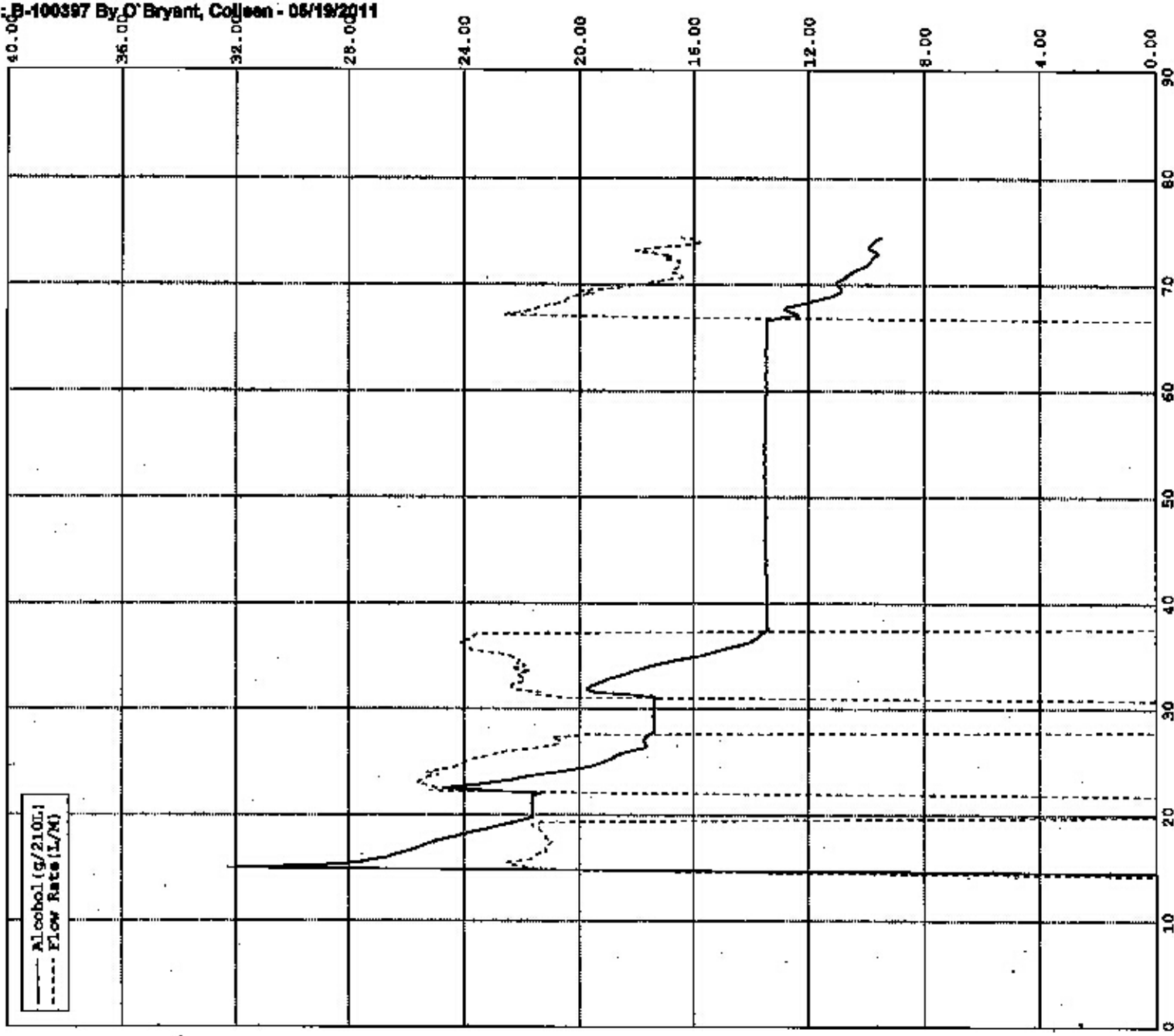
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.72: 0.079
 LOT #: 0251108082
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK PASSED 11:41
 BLANK TEST 0.000 11:41
 INTERNAL STANDARD VERIFIED 11:41
 EXTERNAL STANDARD 0.080 11:41
 BLANK TEST 0.000 11:42
 SUBJECT SAMPLE INCOMPLETE 11:44

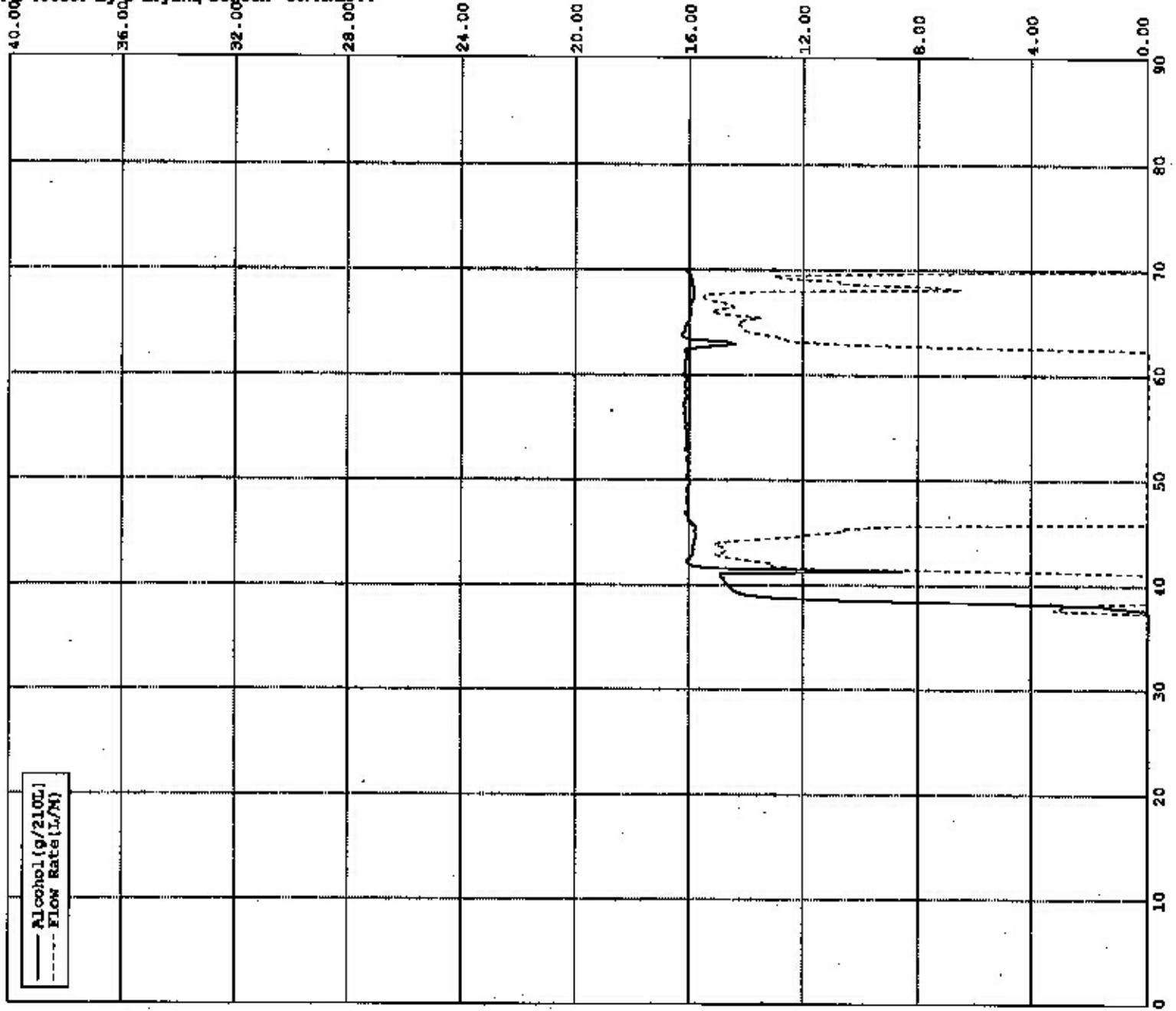
003 43/11



SUBJECT TEST	
Alaska Department of Public Safety	
DATEMASTER dmt: 100397	
Date: 05/19/2011	
Time: 13:59:21	
SUBJECT NAME:	
TEST TEST	
LICENSE #: INVALID	
OPERATOR NAME:	
COLLEEN S O'BRYANT	
OPERATOR'S #: 6237	
DEPT/AGENCY:	
AAAI	
CASE/REPORT: 11-1234	
TEST TYPE: TEST	
EXTERNAL STANDARD INFORMATION	
NOMINAL: 0.080	PASSED 14:00
TARGET AT 29.69: 0.079	0.000 14:00
LOT #: 02511080A2	VERIFIED 14:00
EXPIRATION: 02/01/2013	0.080 14:01
	0.000 14:01
	Invalid 14:03
DIAGNOSTIC CHECK	
BLANK TEST	
INTERNAL STANDARD	
EXTERNAL STANDARD	
BLANK TEST	
SUBJECT SAMPLE	

CB

00314/18



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmi: 100397

Date: 05/19/2011
 Time: 14:14:17

SUBJECT NAME:
TEST TEST
LICENSE #: INIT-ACET
OPERATOR NAME:
 COLLEEN S O'BRYANT
OPERATOR'S #: 6237

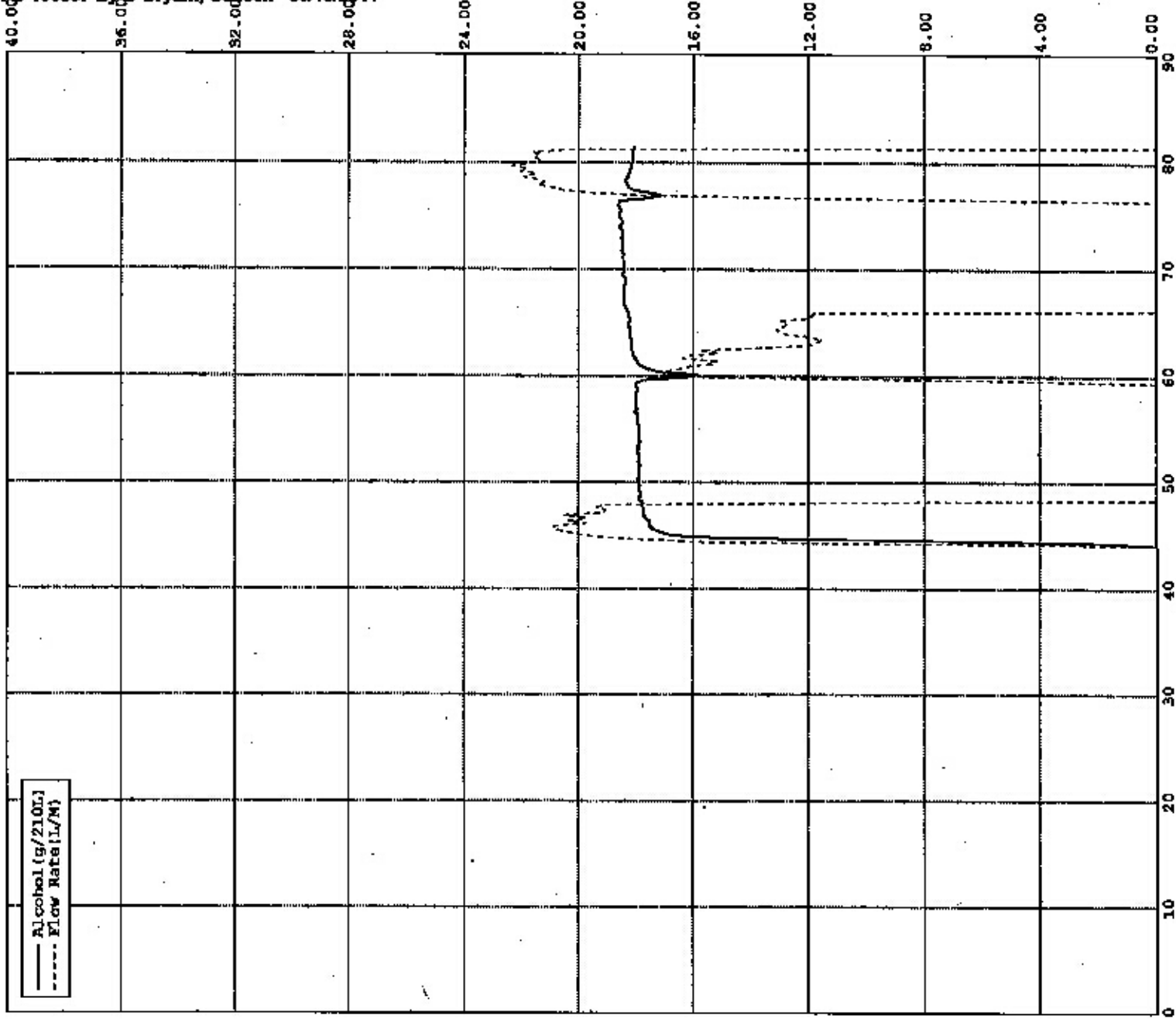
DEPT/AGENCY:
 AAAA
CASE/REPORT: 11-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: 02511080A2
EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:15
BLANK TEST	0.000	14:15
INTERNAL STANDARD	VERIFIED	14:16
EXTERNAL STANDARD	0.080	14:16
BLANK TEST	0.000	14:17
SUBJECT SAMPLE	INTERFERENCE	14:18

COB

COB 10/10



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 05/19/2011
 Time: 14:20:36

SUBJECT NAME:
 TEST TEST
 LICENSE #: IMVF-150

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

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

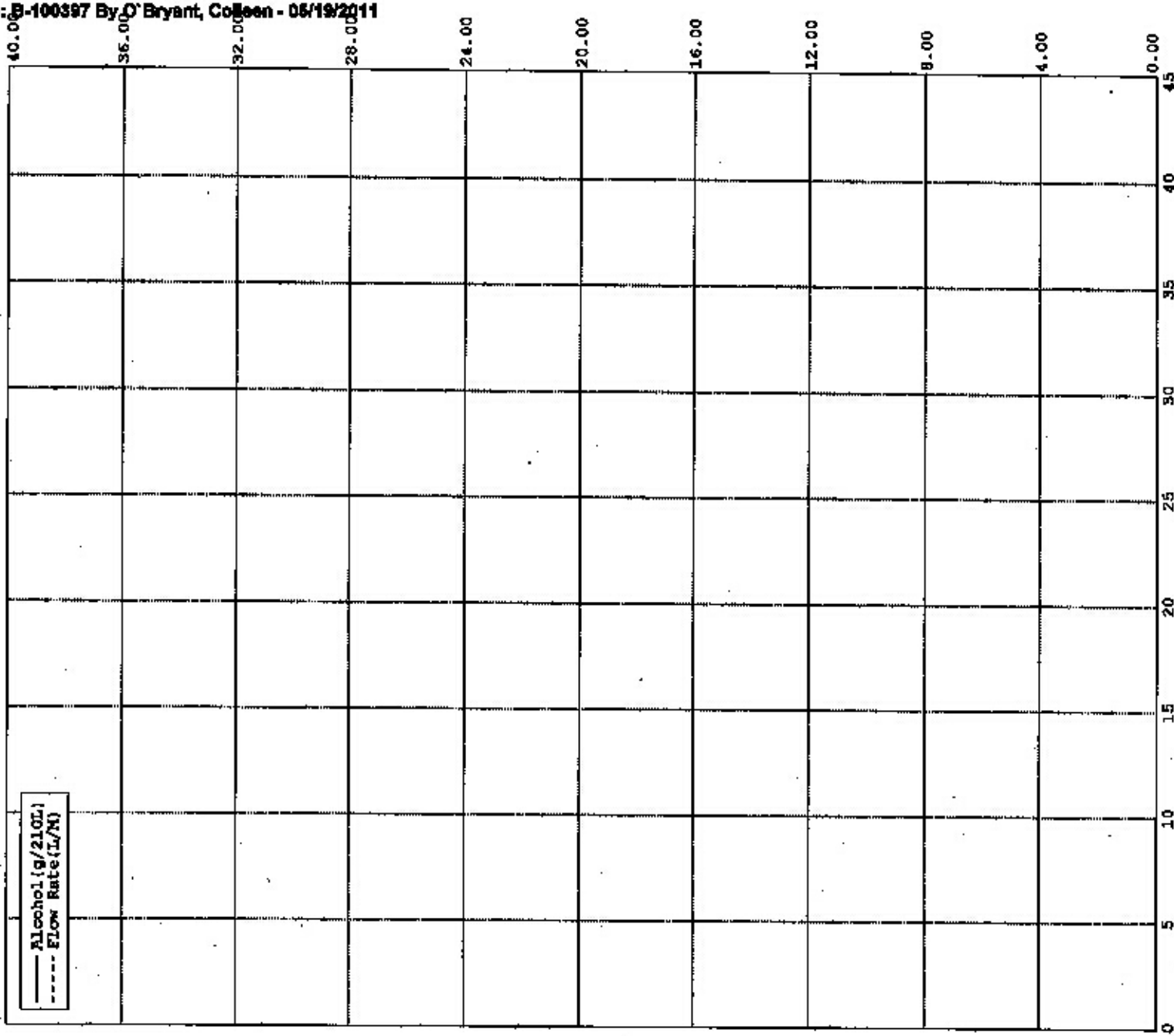
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 IOT #: 0251108032
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	14:22
BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
EXTERNAL STANDARD	0.080	14:22
BLANK TEST	0.000	14:23
SUBJECT SAMPLE	INTERFERENCE	14:24

X

COB 16/11



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER .cmt: 100397

Date: 05/19/2011
 Time: 13:54:42

SUBJECT NAME:
 TEST TEST
 LICENSE #: RFI

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

DEPT/AGENCY:
 AAAA

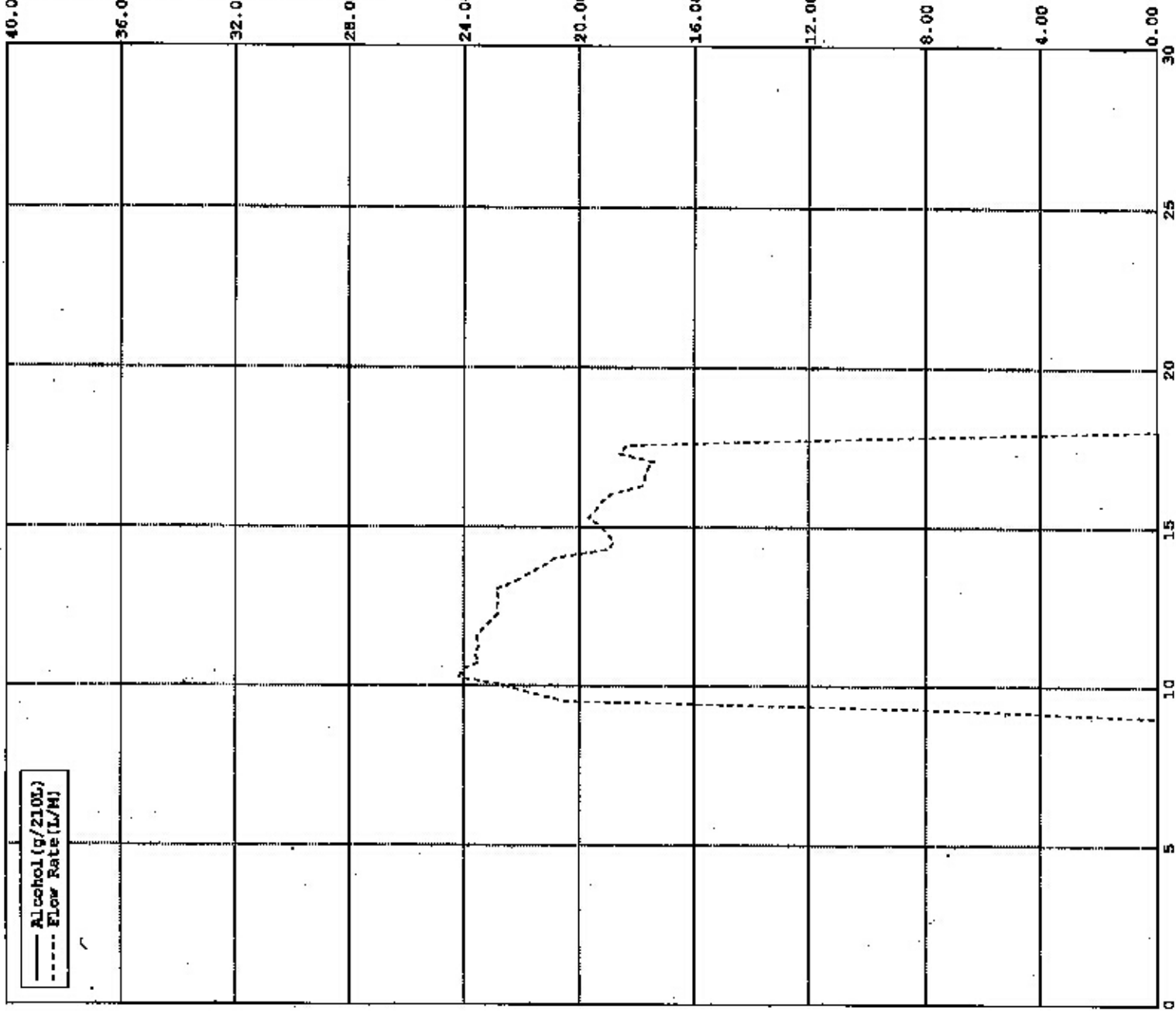
CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.69: 0.079
 LOT #: 02511060A2
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK PASSED 13:55
 0.000 13:56
 INTERNAL STANDARD VERIFIED 13:56
 0.080 13:56
 BLANK TEST 0.000 13:57

RFI Detected

COB/A



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER QMC: 100397

Date: 05/19/2011
 Time: 14:28:35

SUBJECT NAME:
 TEST TEST
 LICENSE #: NON-DRINKING

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 29.68: 0.079
 LOT #: 025110802
 EXPIRATION: 02/01/2013

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	14:29
BLANK TEST	0.000	14:29
INTERNAL STANDARD	VERIFIED	14:30
EXTERNAL STANDARD	0.080	14:30
BLANK TEST	0.000	14:31
SUBJECT SAMPLE	0.000	14:31
BLANK TEST	0.000	14:32
INTERNAL STANDARD	0.080	14:32
BLANK TEST	0.000	14:33

CSB
 CSB 18/18

Final page for report

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