

	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 # 100410

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
 - 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 03609080A1 Exp 1/1/12
 - iv. 0.100g/210L Mnf ILMO Lot 05611000A2 Exp 3/1/13
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 9/1/13
 - 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 Repro Lot 9805 Level 0.080 Exp 11/4/11
 1. Simulator Calibration Date 10/18/10 SN DR6267
 - ii. Isopropanol - Mnf Repro Lot 9805 Level 0.080 Exp 11/4/11
 1. Simulator Calibration Date 9/4/10 SN GD1202
 - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

Analyst C. BryantDate 6/7/11

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dat: 100410

Date: 06/07/2011
Time: 08:12:28

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
Breath Tube = 46.3°C PASSED

PUMP INFO

Flow Rate = 5.438 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

06/07/11

Technician Screen

DATAMASTER dnt: 100410

Date: 06/07/2011
Time: 8:28 AM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 45.8°C

Current Barometer 30.0 in
Volume (Ltr) 1.51

Settings

Lamp: 1.58 V
Bias: 80 V
Cooler: 1.72 V
Chopper: 536 Hz

Voltages (V)

Flow: 1.05 V
Detector: 0.107 V

cas 3/18

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100410

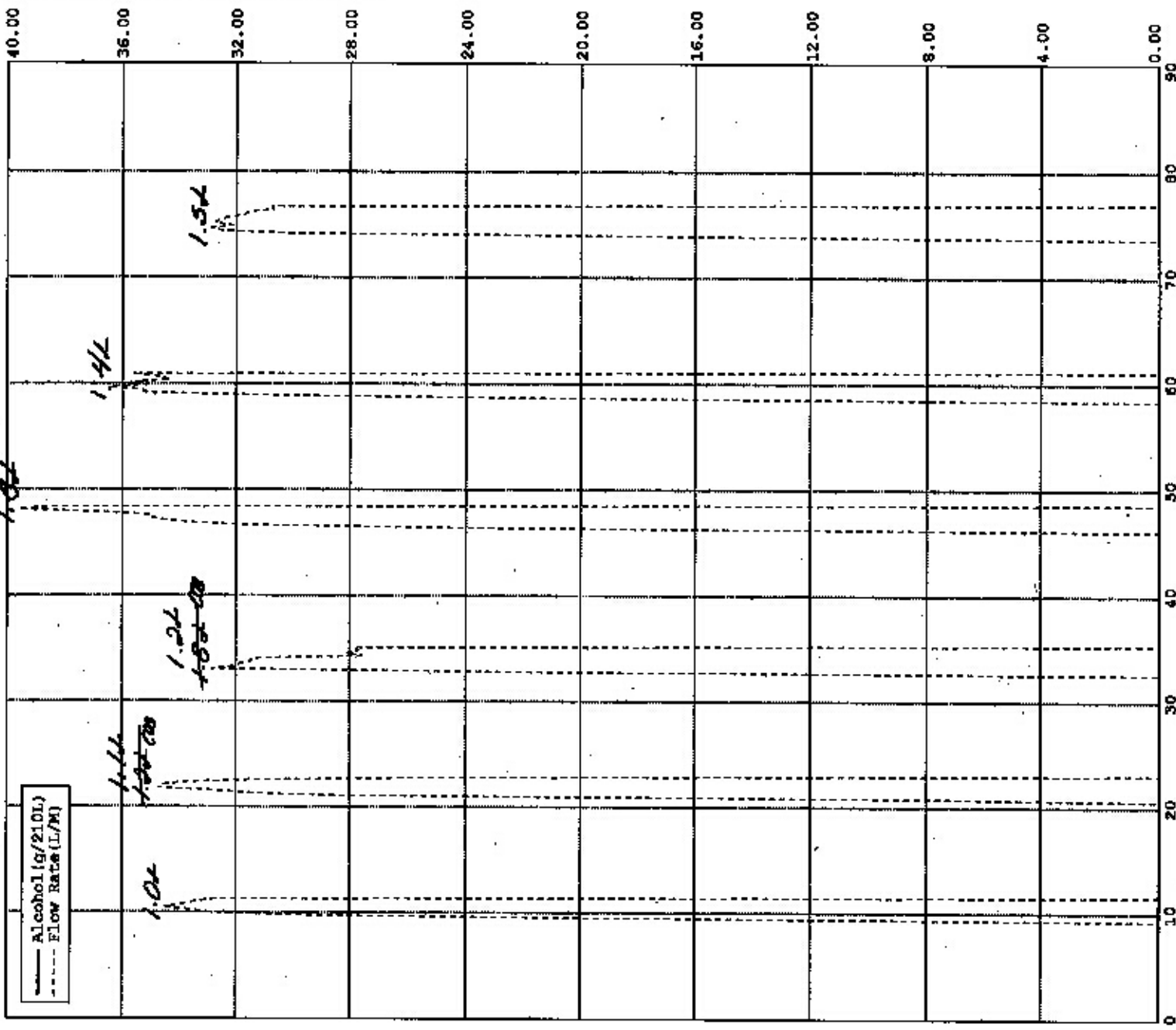
Date: 06/01/2011
Time: 09:04:36

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

LOT #: REPC0100
BOTTLE #: 10003
EXPIRATION: 09/08/2012

Ca	=	0.1000		
CAL	=	0.973587	0.800	<= CAL < 1.200
b1	=	0.0004	0.0000	<= b1 < 0.0040
b2	=	0.0066	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xq	=	0.0869	0.0500	<= Xq < 0.2000
a21	=	1.207265	1.050	<= a21 < 1.300
a31	=	0.452869	0.300	<= a31 < 0.800

COB 7/12



SUBJECT TEST

Alaska Department of Public Safety
 DRAMMASTER dmt: 100410

Date: 06/07/2011
 Time: 08:46:07

SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST

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

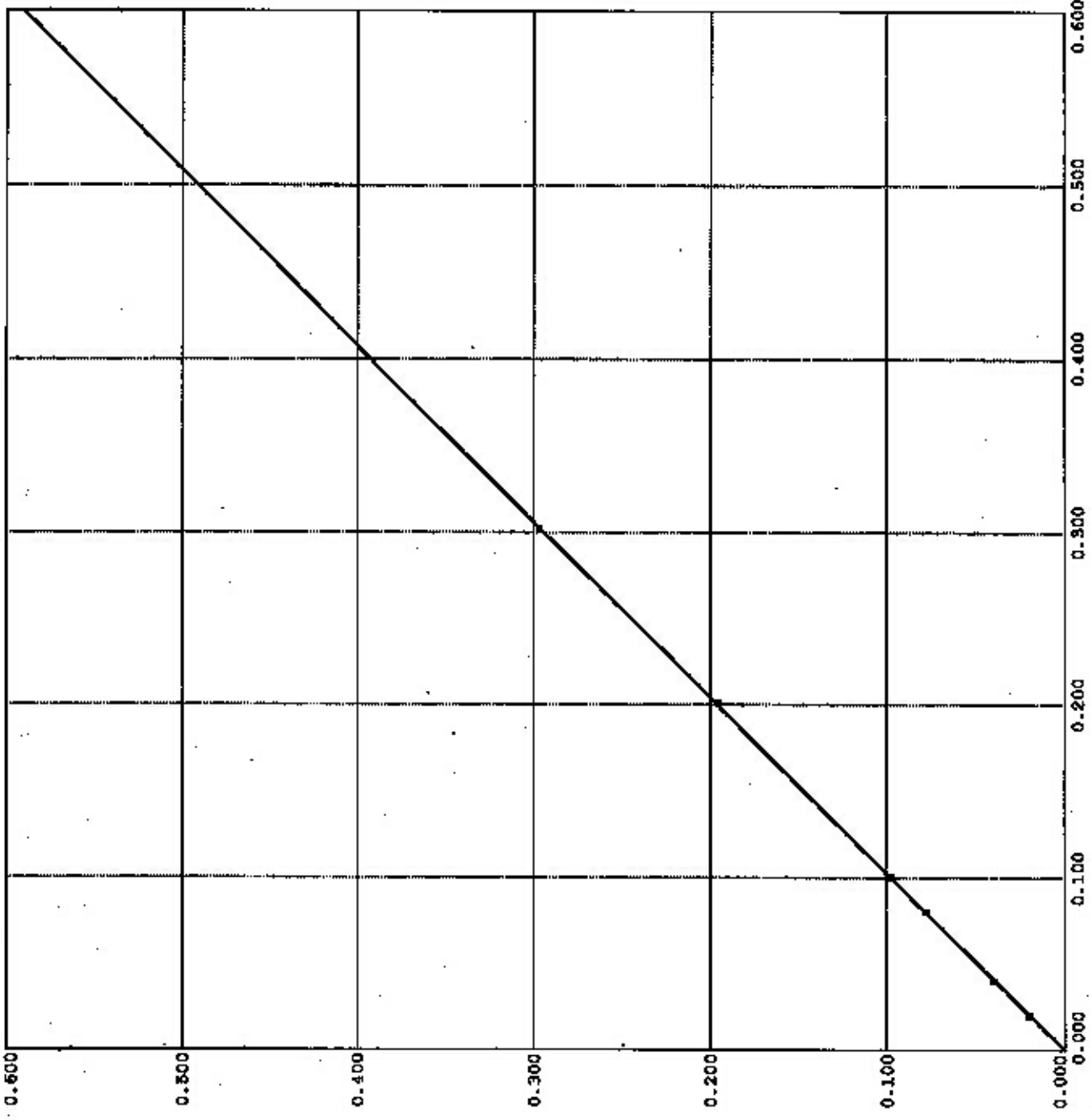
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 30.04: 0.080
 ICF #: 33609080AL
 EXPIRATION: 01/01/2012

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	08:49
BLANK TEST	0.000	08:49
INTERNAL STANDARD	VERIFIED	08:49
EXTERNAL STANDARD	0.079	08:49
BLANK TEST	0.000	08:50
SUBJECT SAMPLE	0.000	08:51
BLANK TEST	0.000	08:52
EXTERNAL STANDARD	0.079	08:53
BLANK TEST	0.000	08:54

COB
COB 4/18



LINEARITY CHECK			
Alaska Department of Public Safety			
DATAWASTER dbt: 100410			
Date: 06/07/2011			
Time: 09:00:57			
SUPERVISOR NAME:			
COLLEEN S O'BRYANT			
OPERATOR'S #: 6237			
TARGET	AVERAGE	STD. DEV.	
0.020	0.0202	0.0004	
0.040	0.0400	0.0000	
0.080	0.0786	0.0005	
0.100	0.0980	0.0000	
0.200	0.1960	0.0012	
0.301	0.2974	0.0005	
SLOPE		= 0.985078	
R:		= 0.999976	

6/9/11
COB

LINEARITY CHECK: Control Test 1

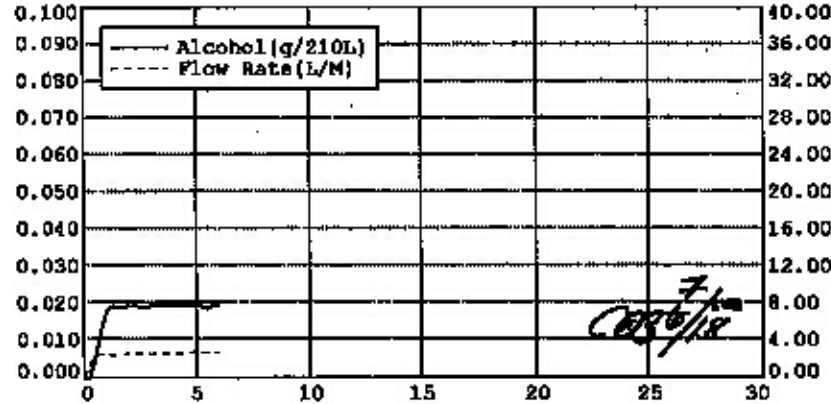
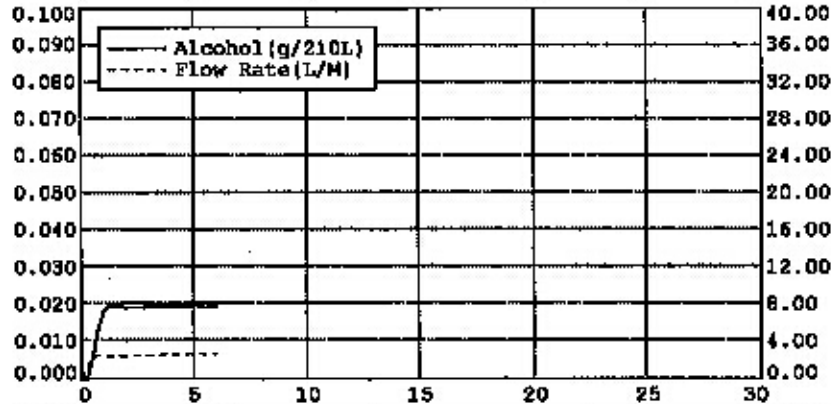
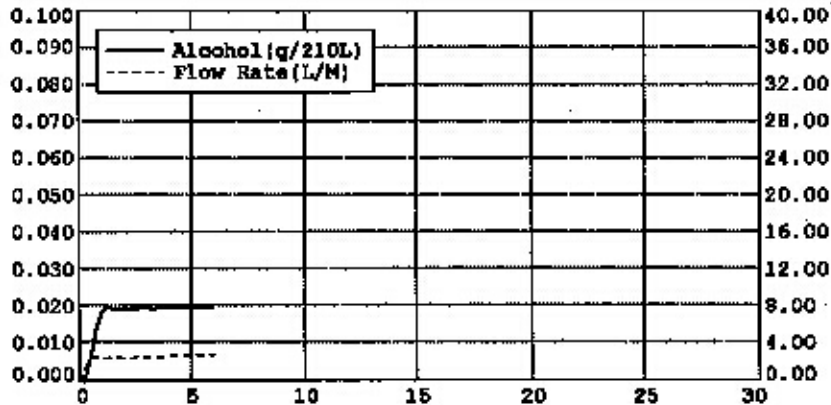
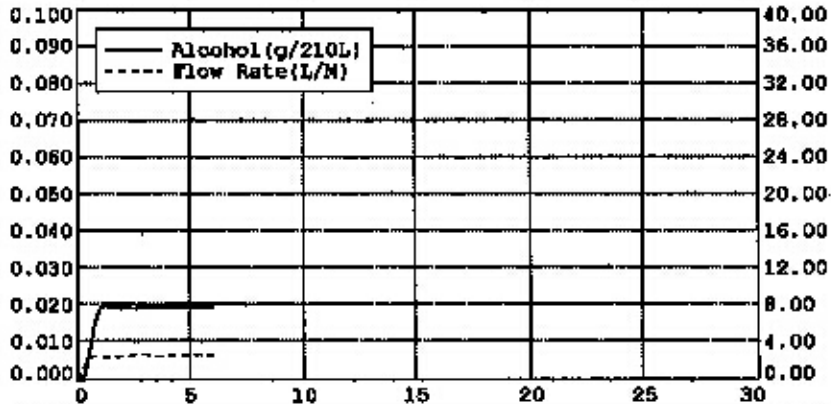
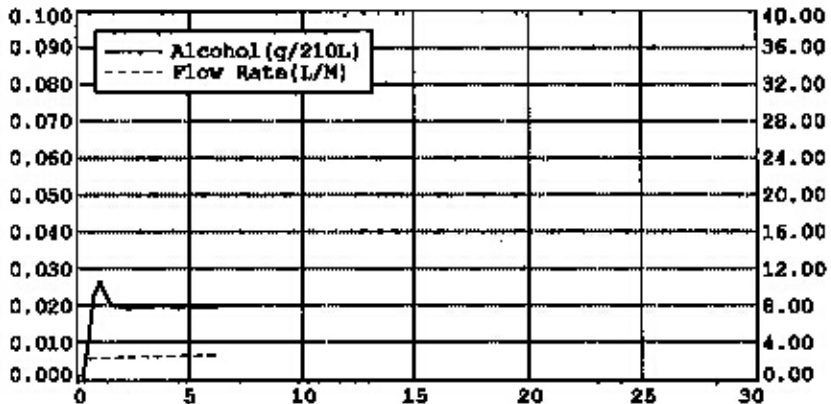
Alaska Department of Public Safety
 DATAMASTER dat: 100410

Date: 06/07/2011
 Time: 09:00:59

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 30.03: 0.020
 LOT #: 02811020A1
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:02
INTERNAL STANDARD	VERIFIED	09:02
EXTERNAL STANDARD	0.021	09:02
BLANK TEST	0.000	09:03
EXTERNAL STANDARD	0.020	09:03
BLANK TEST	0.000	09:04
EXTERNAL STANDARD	0.020	09:04
BLANK TEST	0.000	09:05
EXTERNAL STANDARD	0.020	09:05
BLANK TEST	0.000	09:06
EXTERNAL STANDARD	0.020	09:06
BLANK TEST	0.000	09:07

Average = 0.0202
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

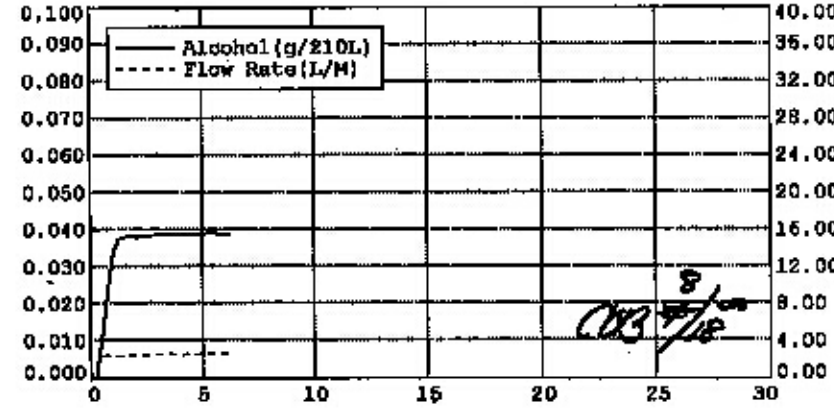
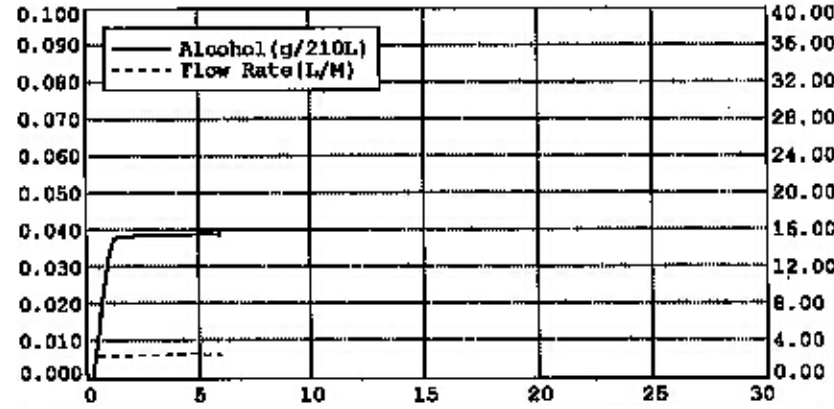
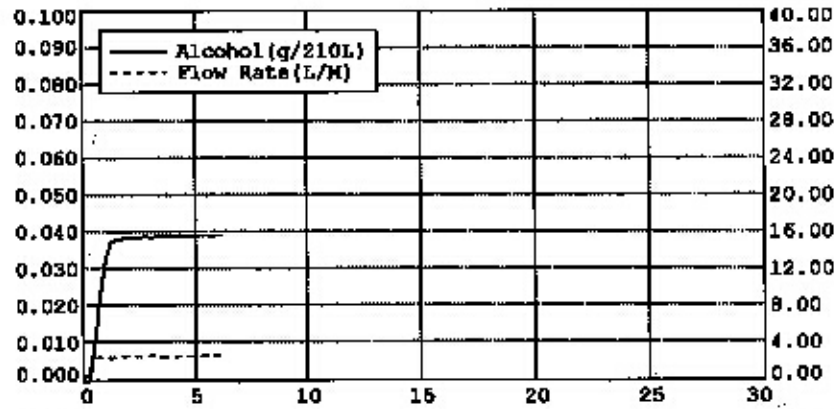
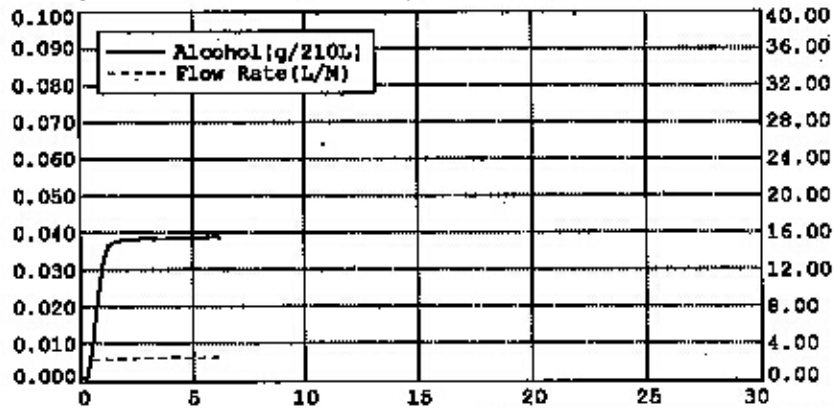
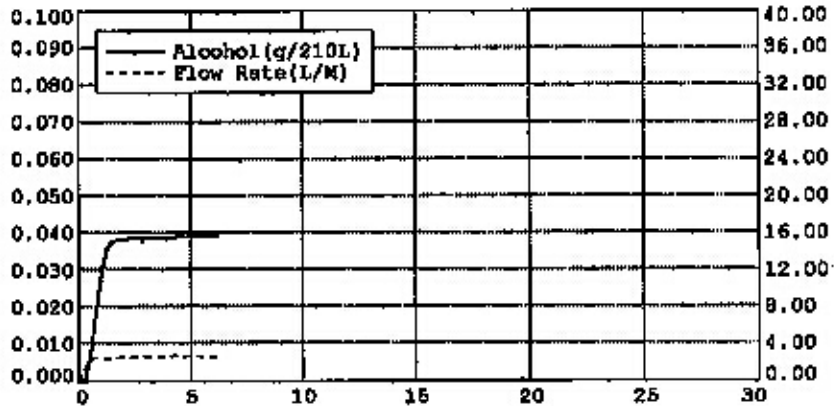
Alaska Department of Public Safety
 DATAMASTER dmt: 100410

Date: 06/07/2011
 Time: 09:08:22

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.040
 TARGET AT 30.03: 0.040
 LOT #: 02811040A2
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	09:09
INTERNAL STANDARD	VERIFIED	09:09
EXTERNAL STANDARD	0.040	09:09
BLANK TEST	0.000	09:10
EXTERNAL STANDARD	0.040	09:10
BLANK TEST	0.000	09:11
EXTERNAL STANDARD	0.040	09:11
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.040	09:13
BLANK TEST	0.000	09:13
EXTERNAL STANDARD	0.040	09:14
BLANK TEST	0.000	09:15

Average = 0.0400
 Std Dev = 0.0000



LINEARITY CHECK; Control Test 3

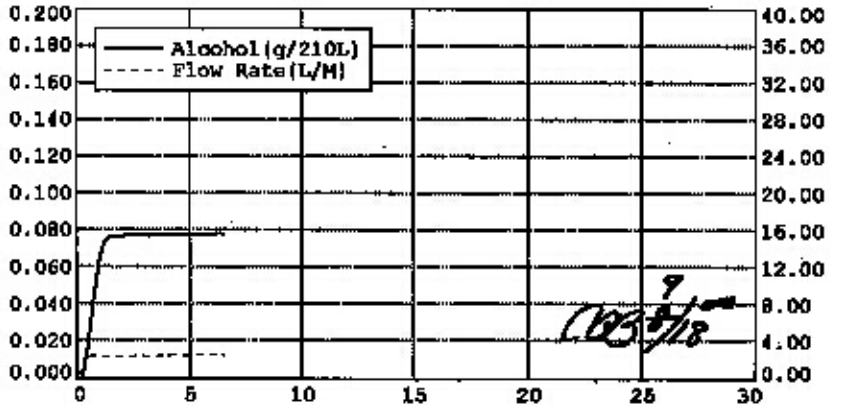
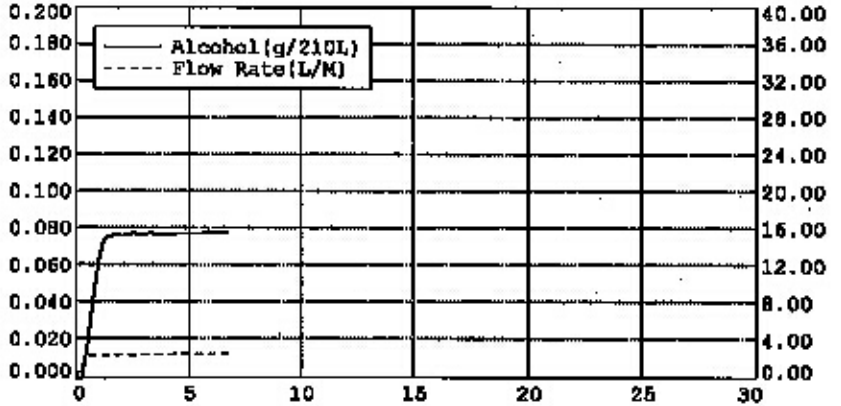
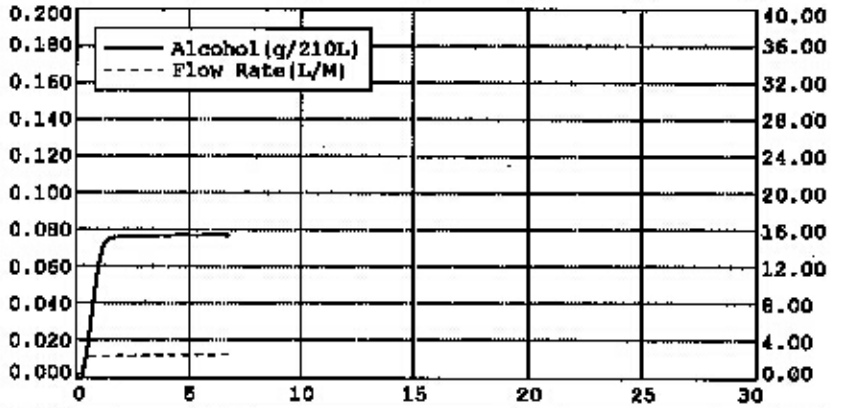
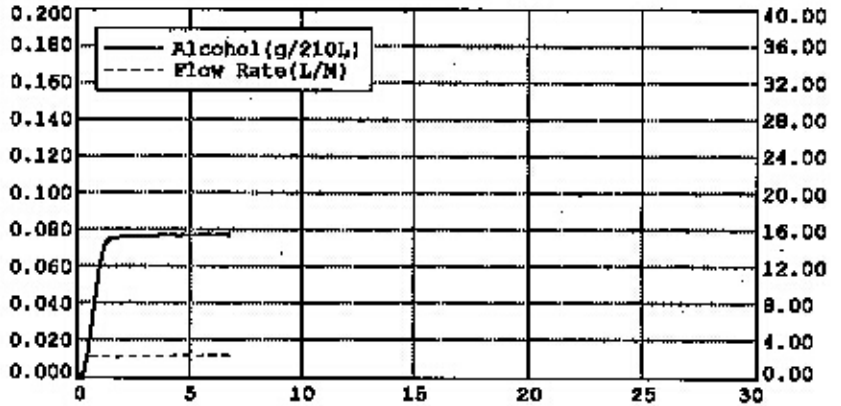
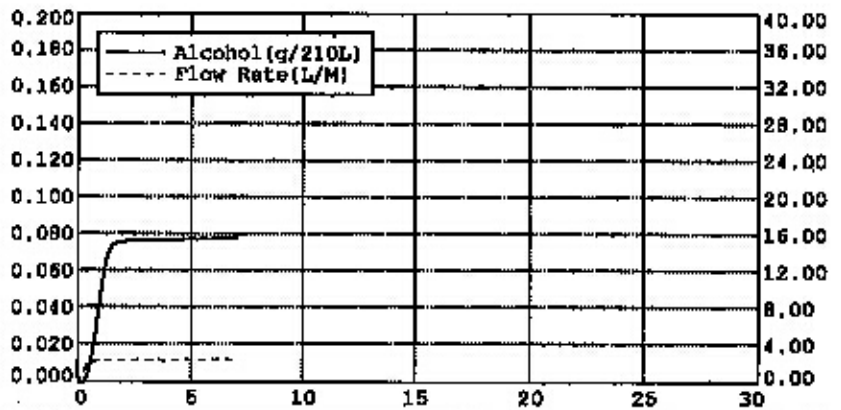
Alaska Department of Public Safety
 DATA MASTER dnt: 100410

Date: 06/07/2011
 Time: 09:15:57

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 30.04: 0.080
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

BLANK TEST	0.000	09:17
INTERNAL STANDARD	VERIFIED	09:17
EXTERNAL STANDARD	0.078	09:17
BLANK TEST	0.000	09:18
EXTERNAL STANDARD	0.079	09:18
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.078	09:19
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.079	09:20
BLANK TEST	0.000	09:21
EXTERNAL STANDARD	0.079	09:21
BLANK TEST	0.000	09:22

Average = 0.0785
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dnt: 100410

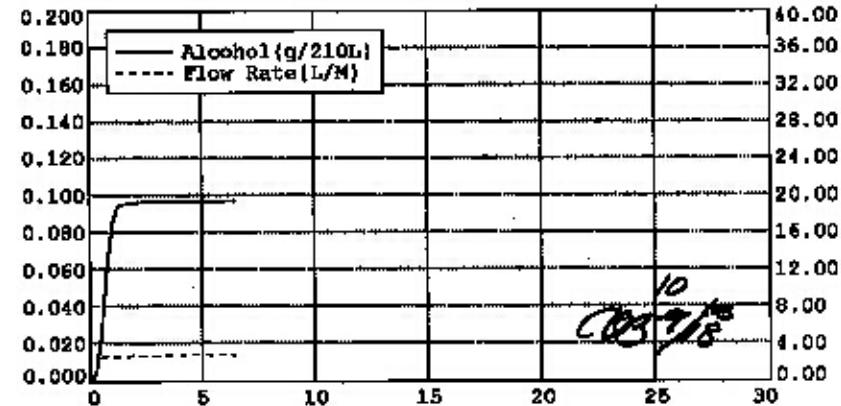
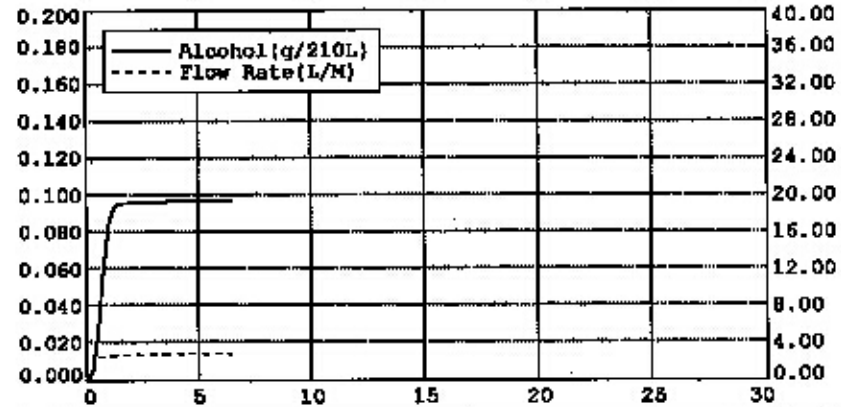
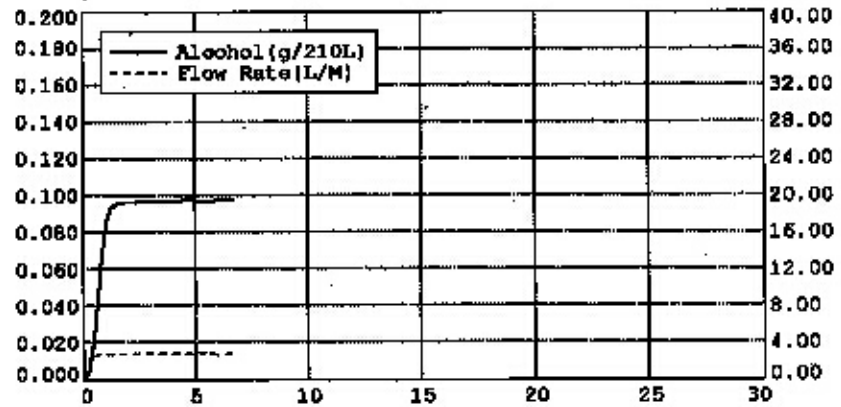
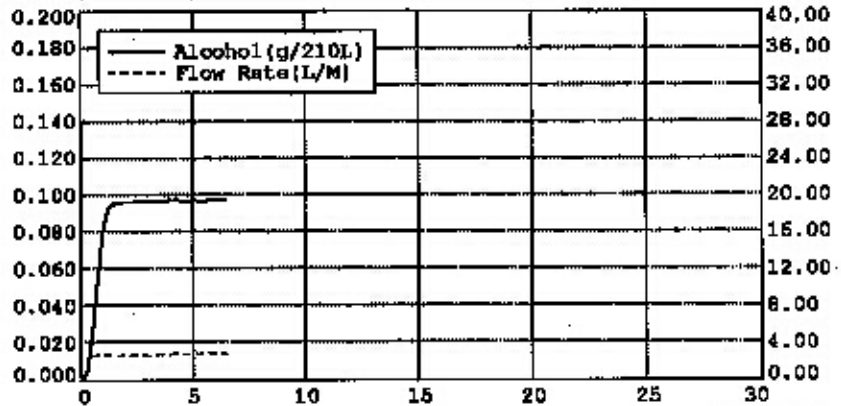
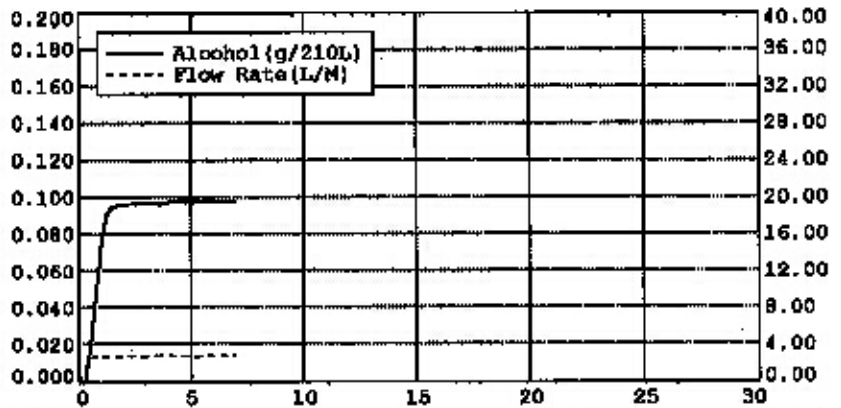
Date: 06/07/2011
 Time: 09:23:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 30.03: 0.100
 LOT #: 0561110022-0561110042 05 4/1/11
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	09:24
INTERNAL STANDARD	VERIFIED	09:24
EXTERNAL STANDARD	0.098	09:25
BLANK TEST	0.000	09:25
EXTERNAL STANDARD	0.098	09:26
BLANK TEST	0.000	09:27
EXTERNAL STANDARD	0.098	09:27
BLANK TEST	0.000	09:28
EXTERNAL STANDARD	0.098	09:28
BLANK TEST	0.000	09:29
EXTERNAL STANDARD	0.098	09:29
BLANK TEST	0.000	09:30

Average = 0.0980
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dnt: 100410

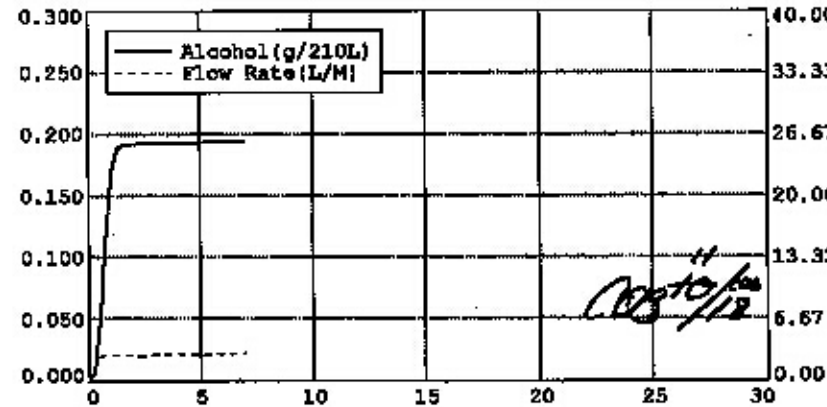
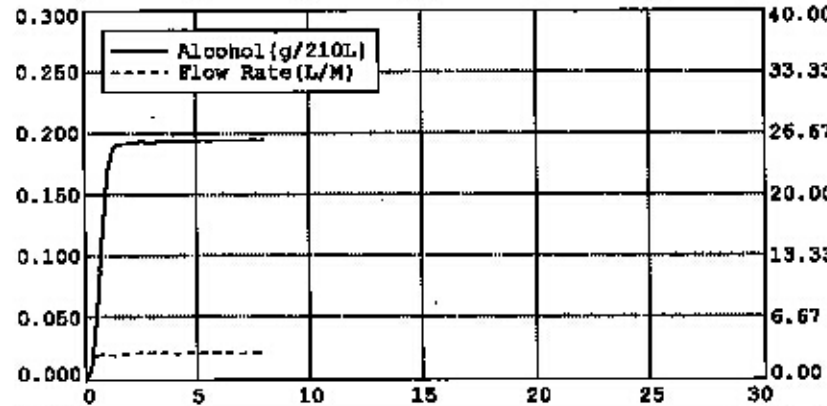
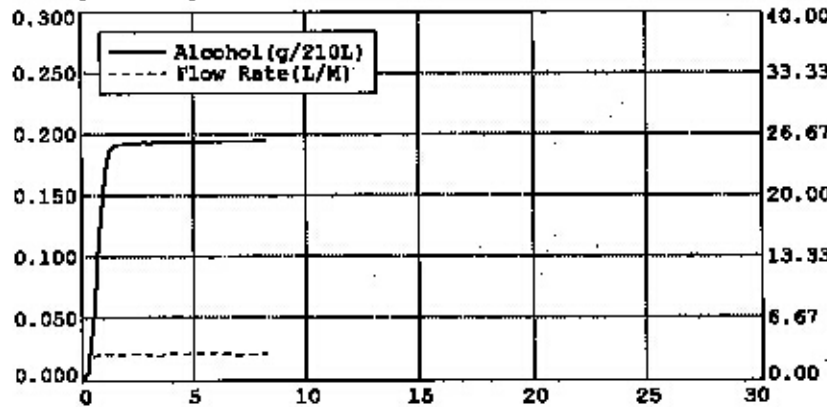
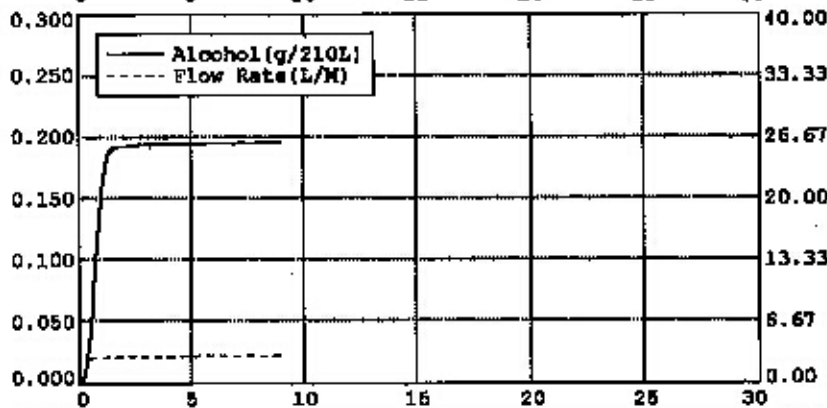
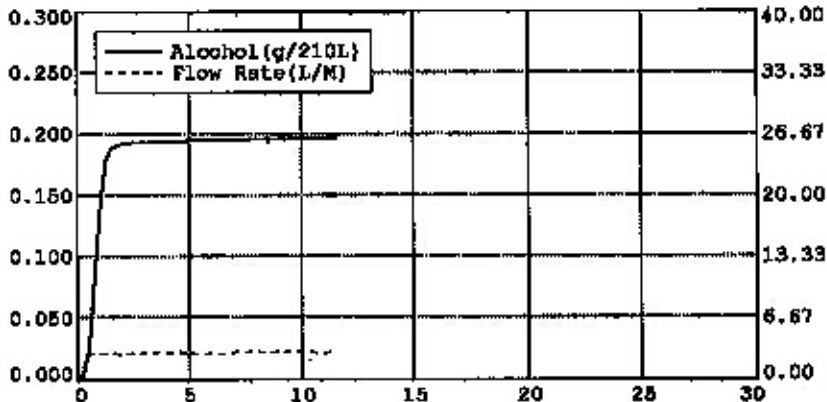
Date: 06/07/2011
 Time: 09:31:40

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 30.03: 0.200
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	09:32
INTERNAL STANDARD	VERIFIED	09:32
EXTERNAL STANDARD	0.198	09:33
BLANK TEST	0.000	09:34
EXTERNAL STANDARD	0.196	09:34
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.196	09:35
BLANK TEST	0.000	09:36
EXTERNAL STANDARD	0.195	09:37
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.195	09:38
BLANK TEST	0.000	09:39

Average = 0.1960
 Std Dev = 0.0012



LINEARITY CHECK: Control Test 6

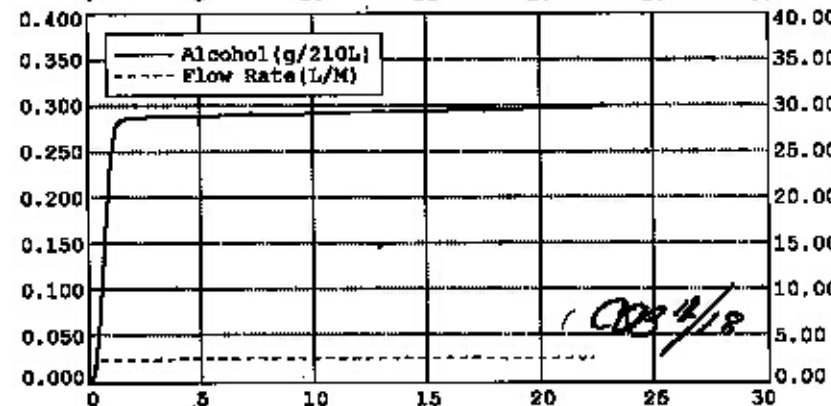
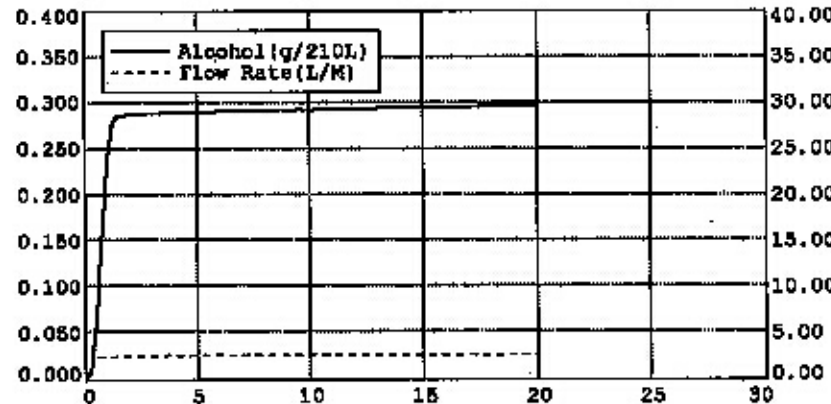
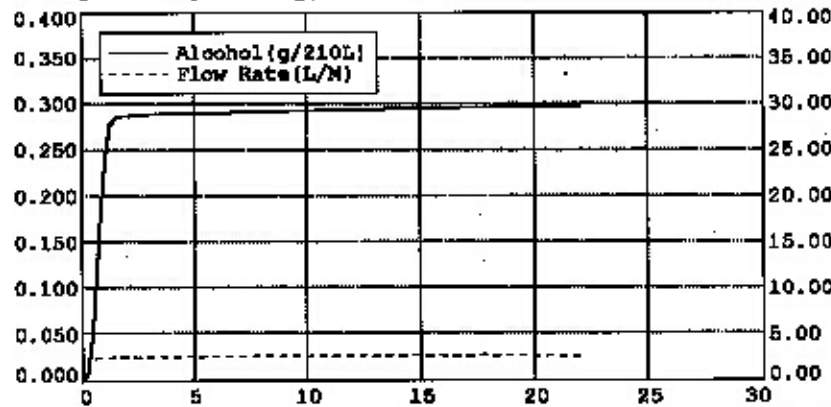
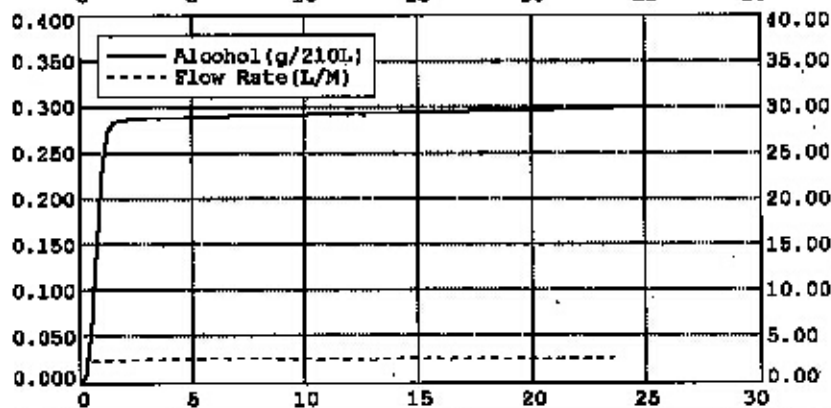
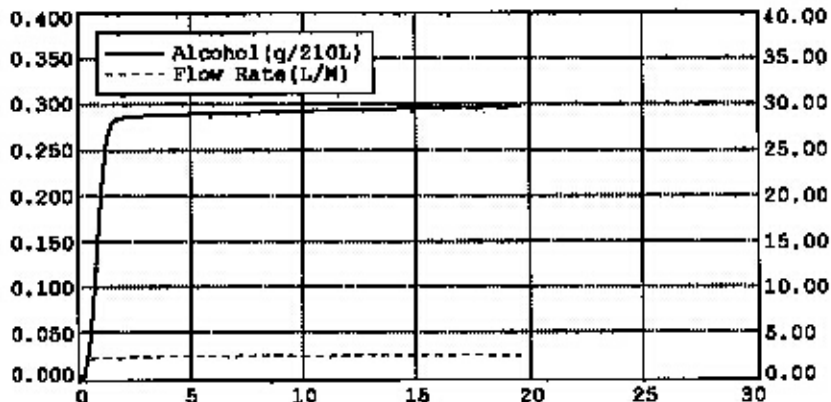
Alaska Department of Public Safety
 DATAMASTER dnt: 100410

Date: 06/07/2011
 Time: 09:40:45

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 30.03: 0.301
 LOT #: 07411300A1
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	09:42
INTERNAL STANDARD	VERIFIED	09:42
EXTERNAL STANDARD	0.297	09:42
BLANK TEST	0.000	09:44
EXTERNAL STANDARD	0.298	09:44
BLANK TEST	0.000	09:45
EXTERNAL STANDARD	0.298	09:46
BLANK TEST	0.000	09:47
EXTERNAL STANDARD	0.297	09:47
BLANK TEST	0.000	09:49
EXTERNAL STANDARD	0.297	09:49
BLANK TEST	0.000	09:50

Average = 0.2974
 Std Dev = 0.0005



Time (min)	Alcohol (g/210L)	Flow Rate (L/N)
0		
10		
20		
30		
40		
50		
60		
70		
80		
90		
100		
110		
120		

_____ Alcohol (g/210L)
 - - - - - Flow Rate (L/N)

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100410

Date: 06/07/2011
 Time: 10:05:55

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

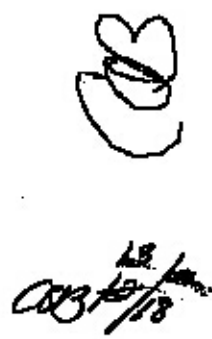
OPERATOR NAME:
 COLLEEN S O'BRYANT
 OPERATOR'S #: 6237

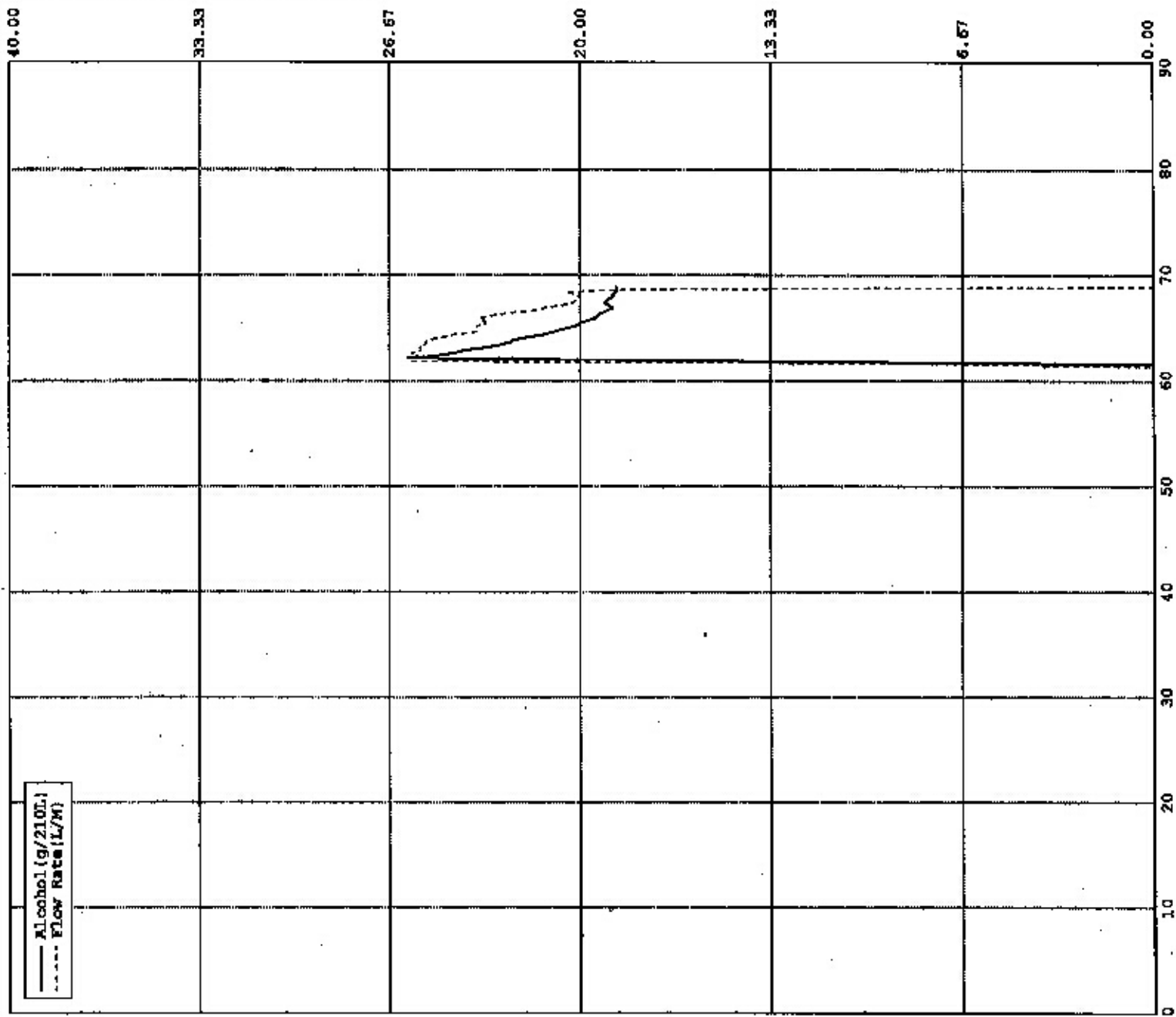
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 30.04: 0.080
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:07
BLANK TEST	0.000	10:07
INTERNAL STANDARD	VERIFIED	10:07
EXTERNAL STANDARD	0.080	10:07
BLANK TEST	0.000	10:08
SUBJECT SAMPLE	INCOMPLETE	10:10





SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100410

Date: 06/07/2011
 Time: 09:59:45

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

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

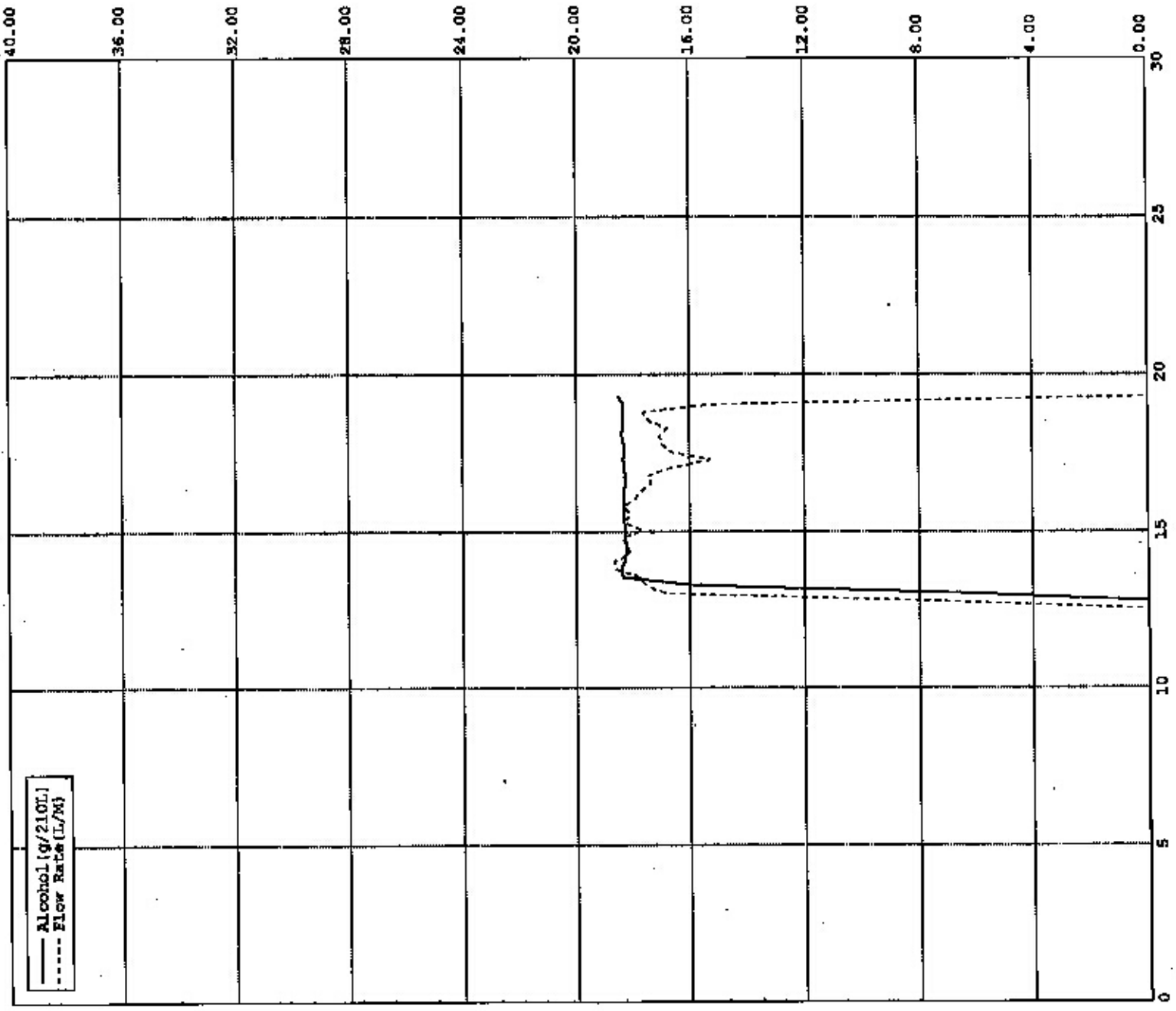
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 30.04: 0.080
 LOT #: 3360908DA1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK PASSED 10:00
 BLANK TEST 0.000 10:00
 VERIFIED 10:00
 INTERNAL STANDARD 0.080 10:01
 EXTERNAL STANDARD 0.000 10:02
 BLANK TEST Invalid 10:03
 SUBJECT SAMPLE

CSB
06/10/11



SUBJECT TEST

Alaska Department of Public Safety
 DATE/TIME chm: 100410

Date: 06/07/2011
 Time: 10:48:05

SUBJECT NAME:
 TEST TEST
 LICENSE #: INT-ACETONE

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

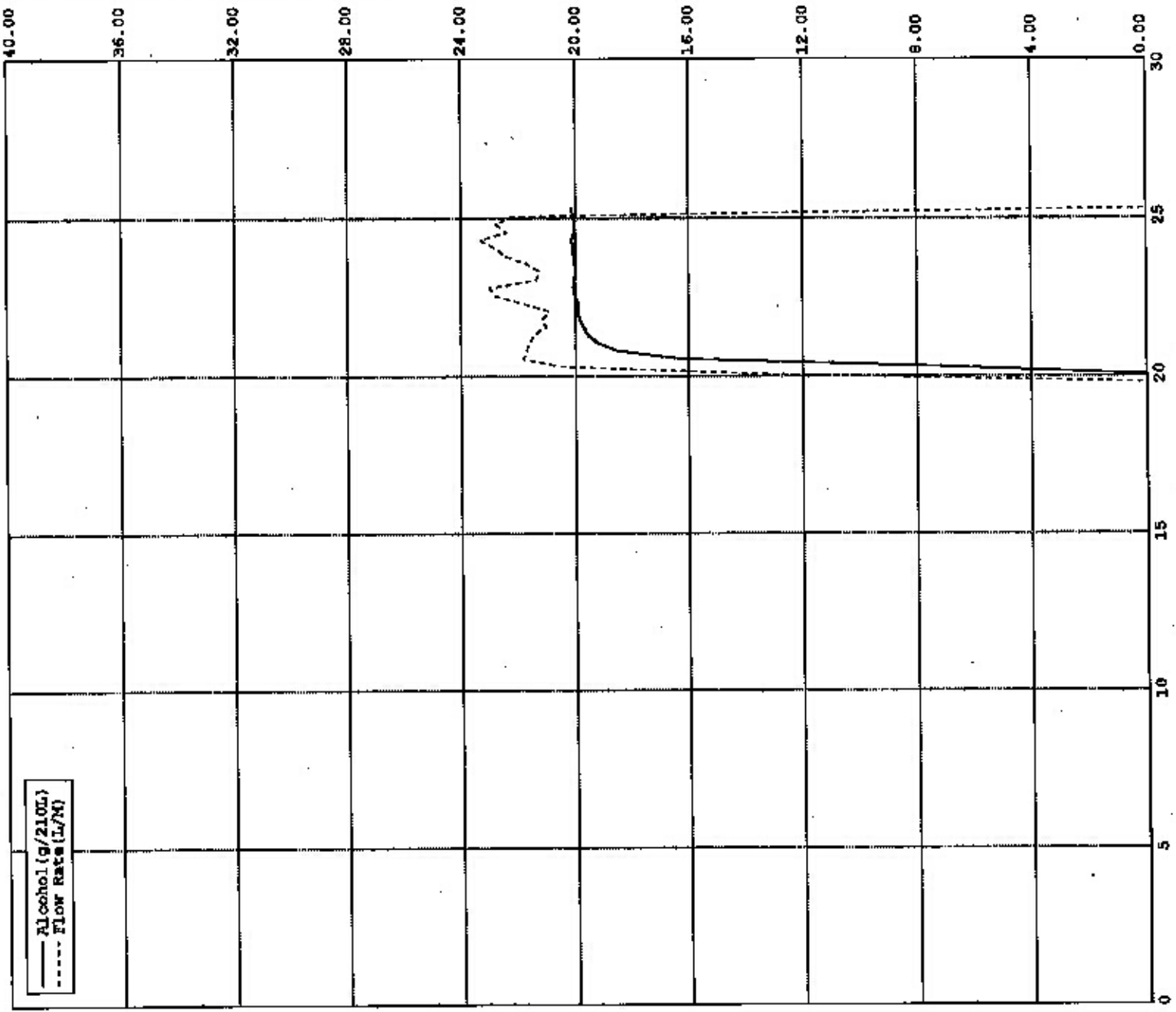
DEPT/AGENCY:
 AAA1

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 30.03: 0.080
 LOT #: 33609882AL
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:49
BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.079	10:49
BLANK TEST	0.000	10:50
SUBJECT SAMPLE	INTERFERENCE	10:51

COB
COB-4/15
15
7/8



Alcohol (g/210L)
Flow Rate (L/N)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100410

Date: 06/07/2011
Time: 10:54:49

SUBJECT NAME:
TEST TEST
LICENSE #: INTF-ISO

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

DEPT/AGENCY:
AAA1

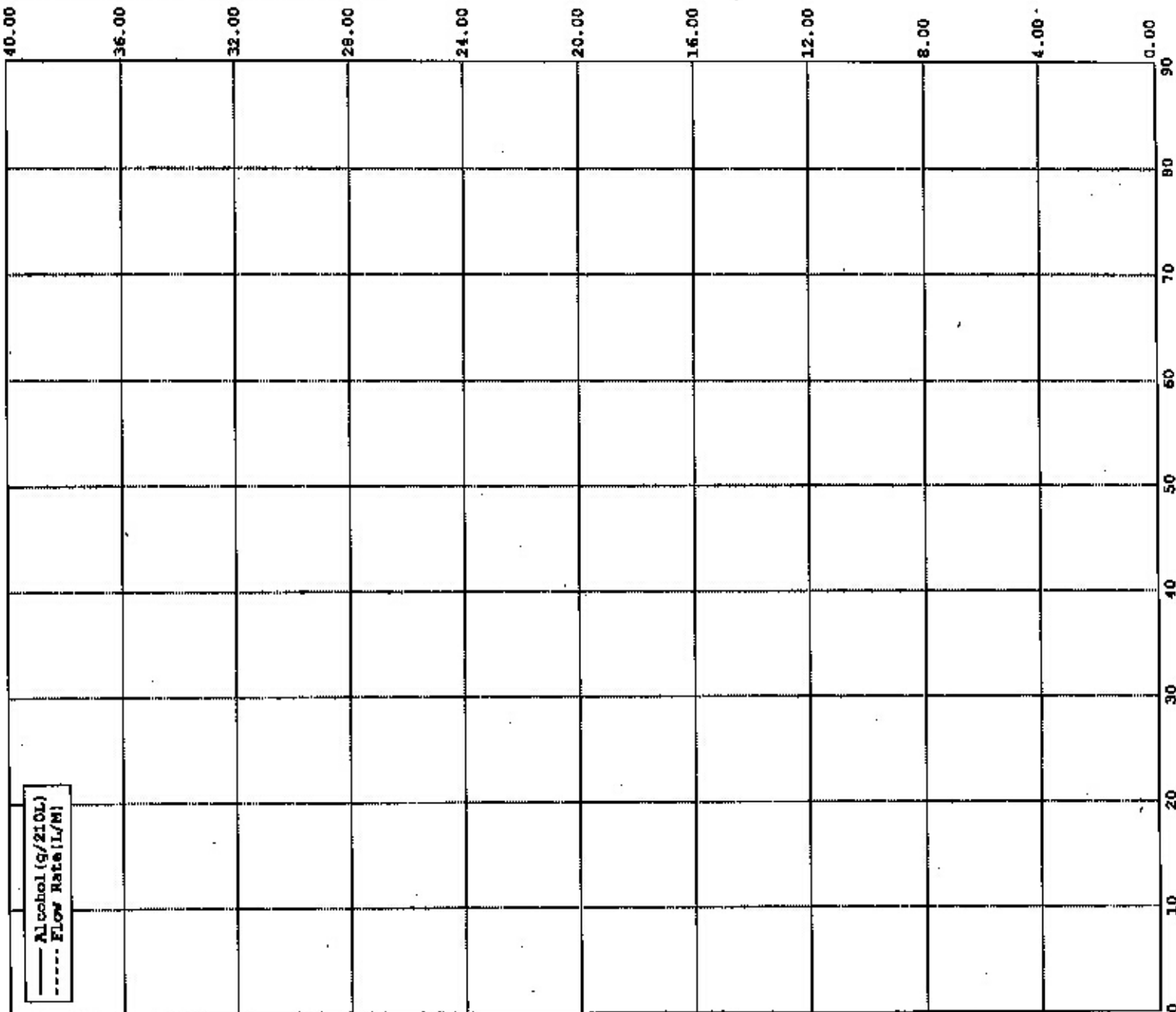
CASE/REPORT: 11-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.04: 0.080
LOT #: 33609080A1
EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	10:55
BLANK TEST	0.000	10:55
INTERNAL STANDARD	VERIFIED	10:56
EXTERNAL STANDARD	0.080	10:56
BLANK TEST	0.000	10:57
SUBJECT SAMPLE	INTERFERENCE	10:57

COB
COB 10/10



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100410

Date: 06/07/2011
 Time: 09:54:44

SUBJECT NAME:
 TEST TEST
 LICENSE #: RFI
 OPERATOR NAME:
 COLLEEN S BRYANT
 OPERATOR'S #: 6237

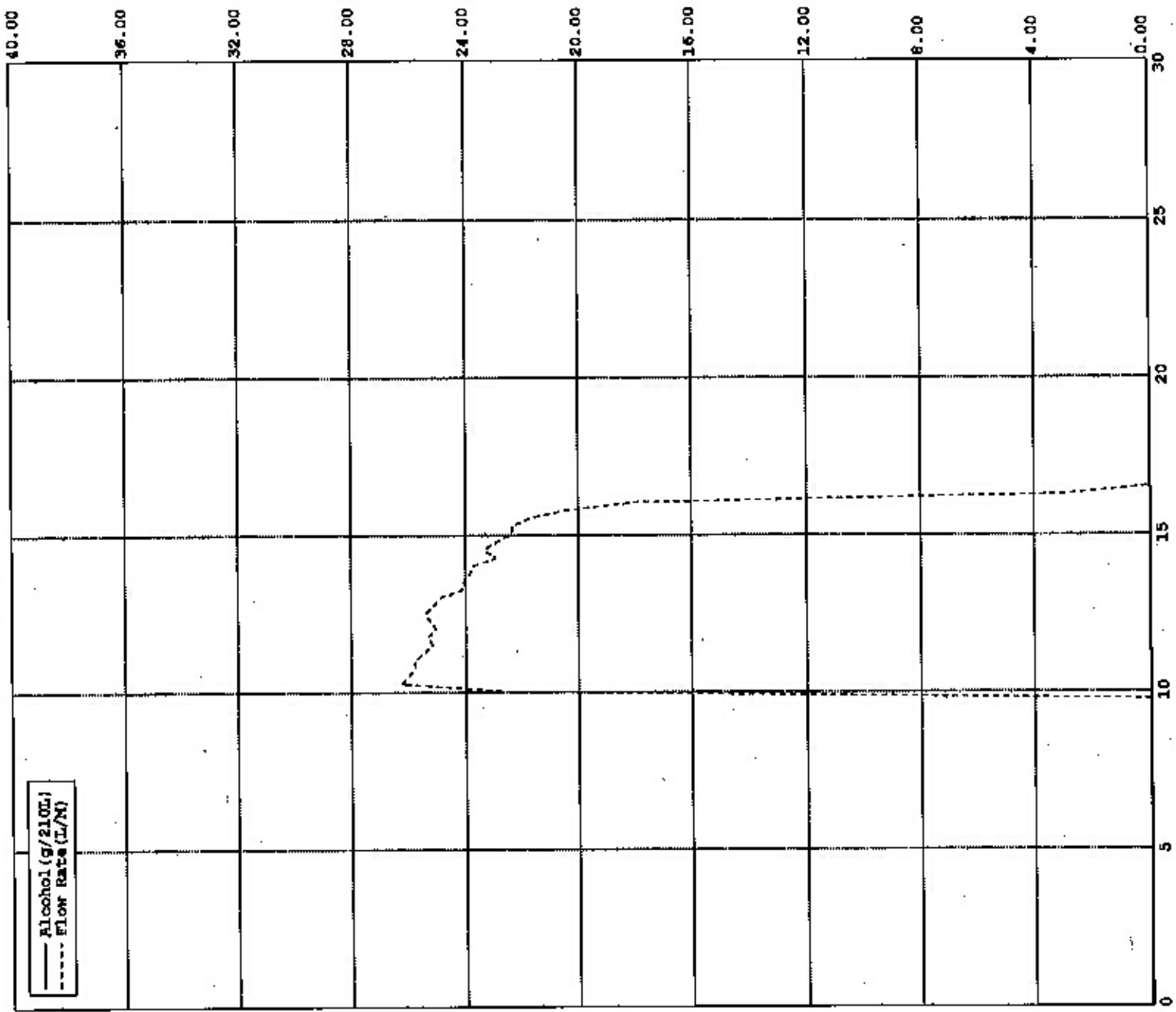
DEPT/AGENCY:
 AAK1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET RE 30.04: 0.080
 LOT #: 33609UBDAL
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK PASSED 09:55
 BLANK TEST 0.000 09:55
 INTERNAL STANDARD VERIFIED 09:55
 EXTERNAL STANDARD 0.080 09:56
 BLANK TEST 0.000 09:57

RFI Detected

CB 17/10



Alcohol (g/210L)
Flow Rate (L/N)

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dnt: 100410

Date: 06/07/2011
 Time: 10:59:23

SUBJECT NAME:
TEST TEST
LICENSE #: NON DRINKING

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 30.04: 0.060
 IOT #: 33609080A1
 EXPIRATION: 01/01/2012

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	11:00
BLANK TEST	0.000	11:00
INTERNAL STANDARD	VERIFIED	11:00
EXTERNAL STANDARD	0.079	11:00
BLANK TEST	0.000	11:01
SUBJECT SAMPLE	0.000	11:02
BLANK TEST	0.000	11:03
INTERNAL STANDARD	0.079	11:03
BLANK TEST	0.000	11:04

06/18/11
 COB

Final page for report

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2/18/2014