	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 # 100391Analyst Colleen O'BryantDate 8/29/11

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 1700 ml.
5. Dry Gas Linearity Test (attached)
  - a. Levels Used 
    - i. 0.020g/210L Mnf ILMO Lot 15210020A1 Exp 07/01/12
    - ii. 0.040g/210L Mnf ILMO Lot 15210040A2 Exp 07/01/12
    - iii. 0.080g/210L Mnf ILMO Lot 02511080A3 Exp 03/01/13
    - iv. 0.100g/210L Mnf ILMO Lot 0761100A3 Exp 03/01/13
    - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 03/01/13
    - vi. 0.300g/210L Mnf ILMO Lot 07611300A1 Exp 03/01/13
6. Functional Tests (attached)
  - a. Incomplete
  - b. Invalid
  - c. Interference 
    - i. Acetone - Mnf Buth Lot 10280 Level 0.080 Exp 11/17/12
      1. Simulator Calibration Date 12/15/10 SN DR4176
    - ii. Isopropanol - Mnf Buth Lot 10280 Level 0.080 Exp 11/17/12
      1. Simulator Calibration Date 12/16/10 SN SD1198
  - 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 dnt: 100391  
-----

Date: 08/29/2011  
Time: 13:48:54

VERSIONS

DMT: 1.02  
PIC: 3.02  
Modem: 2.0  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED  
Breath Tube = 40.1°C PASSED

PUMP INFO

Flow Rate = 5.167 L/M PASSED

DETECTOR ON/OFF

PUMP ON PASSED  
PUMP OFF PASSED

FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD PASSED

003 2/19

## Technician Screen

EATAMAS/HR dat: 100391

Date: 08/29/2011

Time: 2:10 PM

## Temperatures (°C)

Sample Cell: 48.7°C  
Breath Tube: 48.0°CCurrent Barometer: 29.8 in  
Volume (Ltr) 1.42

## Settings

Lamp: 1.70 V  
Bias: 79 V  
Cooler: 1.74 V  
Chopper: 535 Hz

## Voltages (V)

Flow: 1.05 V  
Detector: 0.153 V

08/29

CALIBRATION FACTORS

Alaska Department of Public Safety  
DATAMASTER dmt: 100391

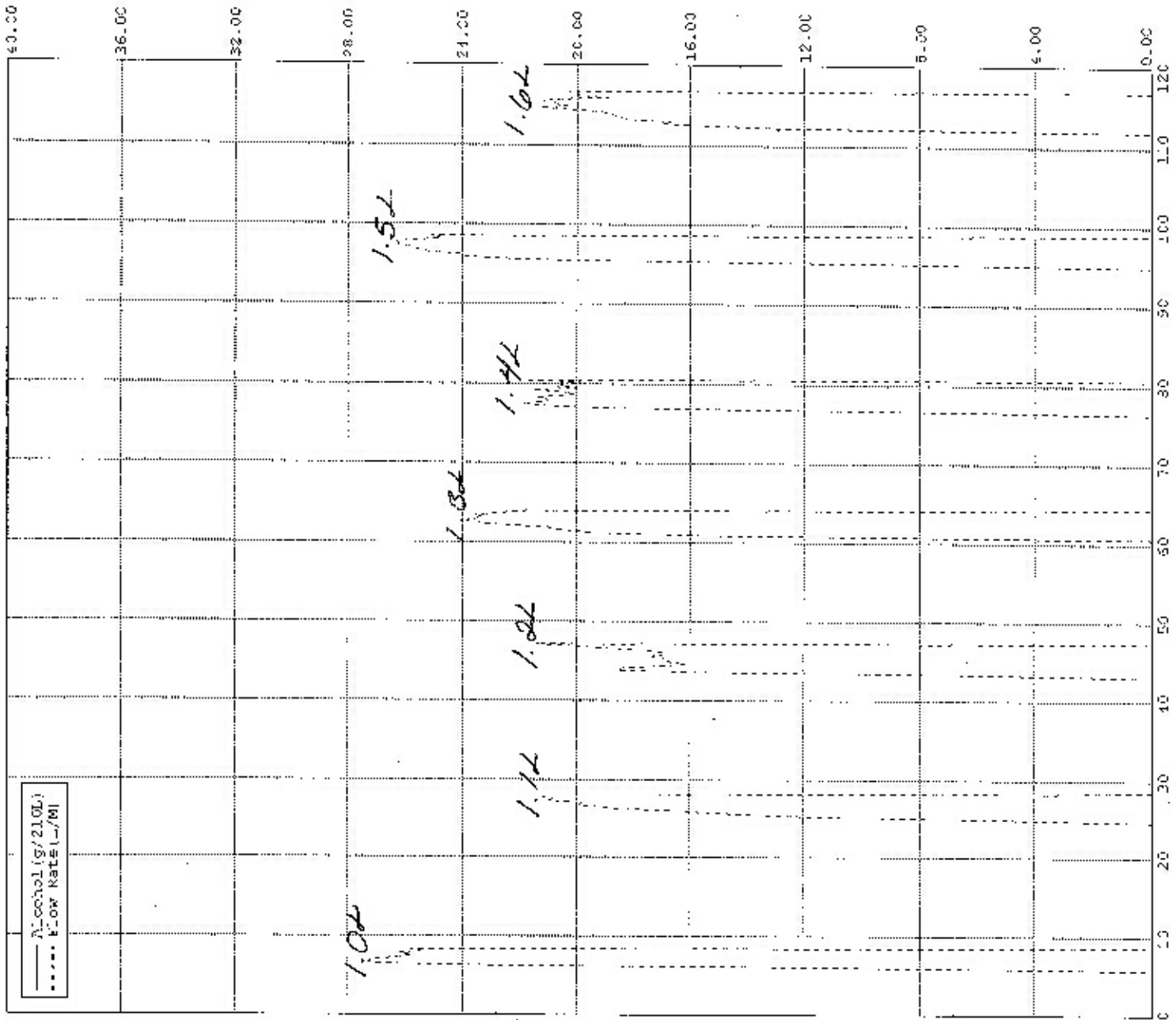
Date: 07/26/2011  
Time: 15:18:00

SUPERVISOR NAME:  
CHARLES FOSTER  
CERTIFICATE #: 7734

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

Ca	=	0.1000			
CAL	=	0.972426	0.800	<=	CAL < 1.200
b1	=	0.0001	0.0000	<=	b1 < 0.0040
b2	=	0.0247	0.0010	<=	b2 < 0.0300
b3	=	0.0000	0.0000	<=	b3 < 0.0040
Xg	=	0.0883	0.0500	<=	Xg < 0.2000
a21	=	1.231540	1.050	<=	a21 < 1.300
a31	=	0.487870	0.300	<=	a31 < 0.800

*COB 4/19*



**SUBJECT TEST**

Alaska Department of Public Safety  
 DATA MASTER CMT: 100391

Date: 08/29/2011  
 Time: 14:13:51

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: VOLUME TEST

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

DEPT/AGENCY:  
 AAPA1

CASE/REPORT: 11-1234  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.76: 0.579  
 LOT #: 0251106CA3  
 EXPIRATION: 02/31/2013

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	14:15
BLANK TEST	0.000	14:15
INTERNAL STANDARD	VERIFIED	14:15
EXTERNAL STANDARD	5.078	14:15
BLANK TEST	0.000	14:16
SUBJECT SAMPLE	INCOMPLETE	14:18

CB  
 CB 5/19

SUBJECT TEST

Alaska Department of Public Safety  
 DATASHEET dmt: 100391

Date: 08/29/2011  
 Time: 14:20:12

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: VOLUME TEST

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

DEPT/AGENCY:  
 APA1

CASE/REPORT: 11-1234  
 TEST TYPE: TEST

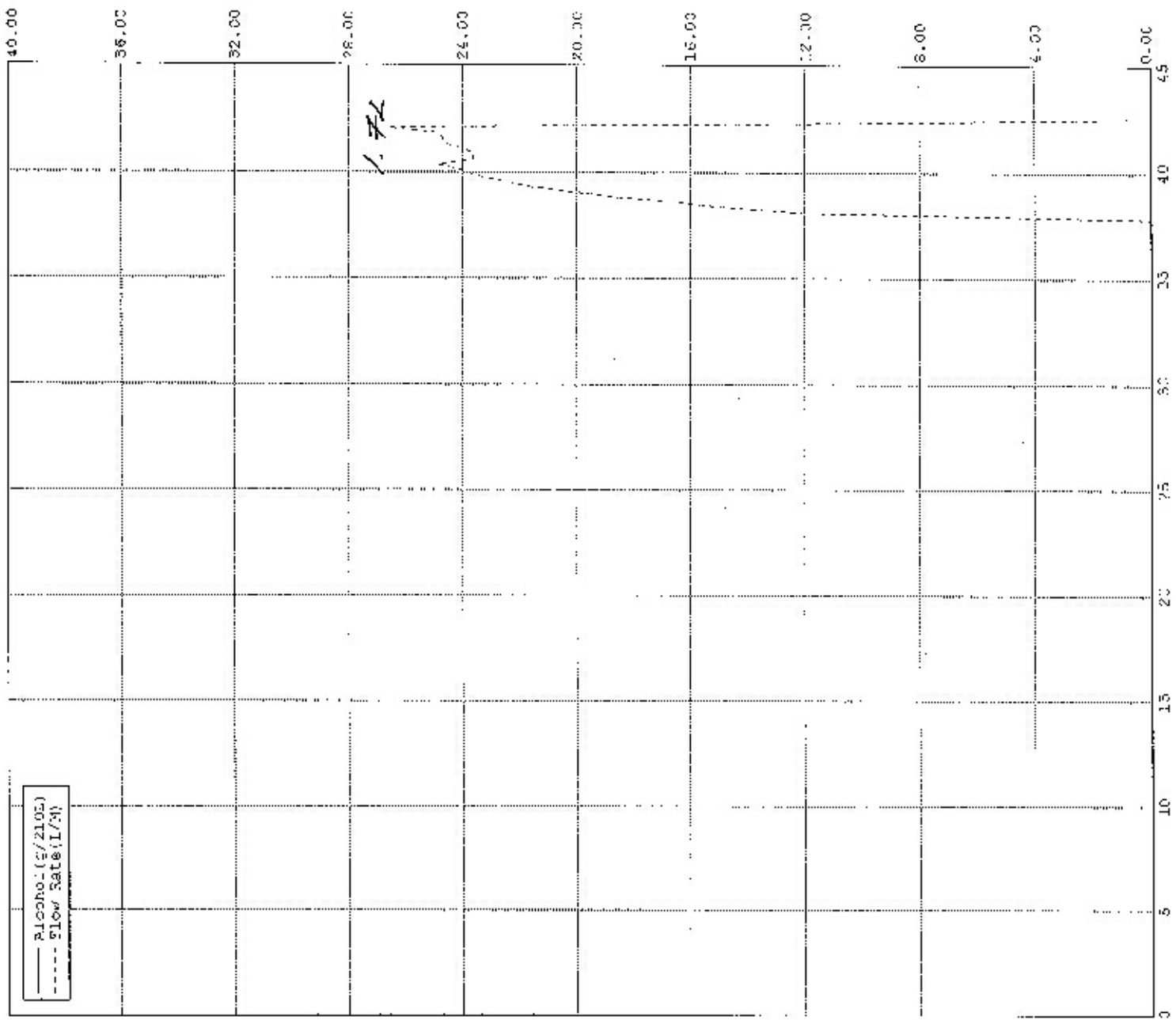
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.76: 0.079  
 LOT #: 02511063A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	14:20
INTERNAL STANDARD	VERIFIED	14:21
EXTERNAL STANDARD	0.079	14:21
BLANK TEST	0.000	14:22
SUBJECT SAMPLE	0.000	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.079	14:24
BLANK TEST	0.000	14:25

*Handwritten signature*

08/30/11



LINEARITY CHECK

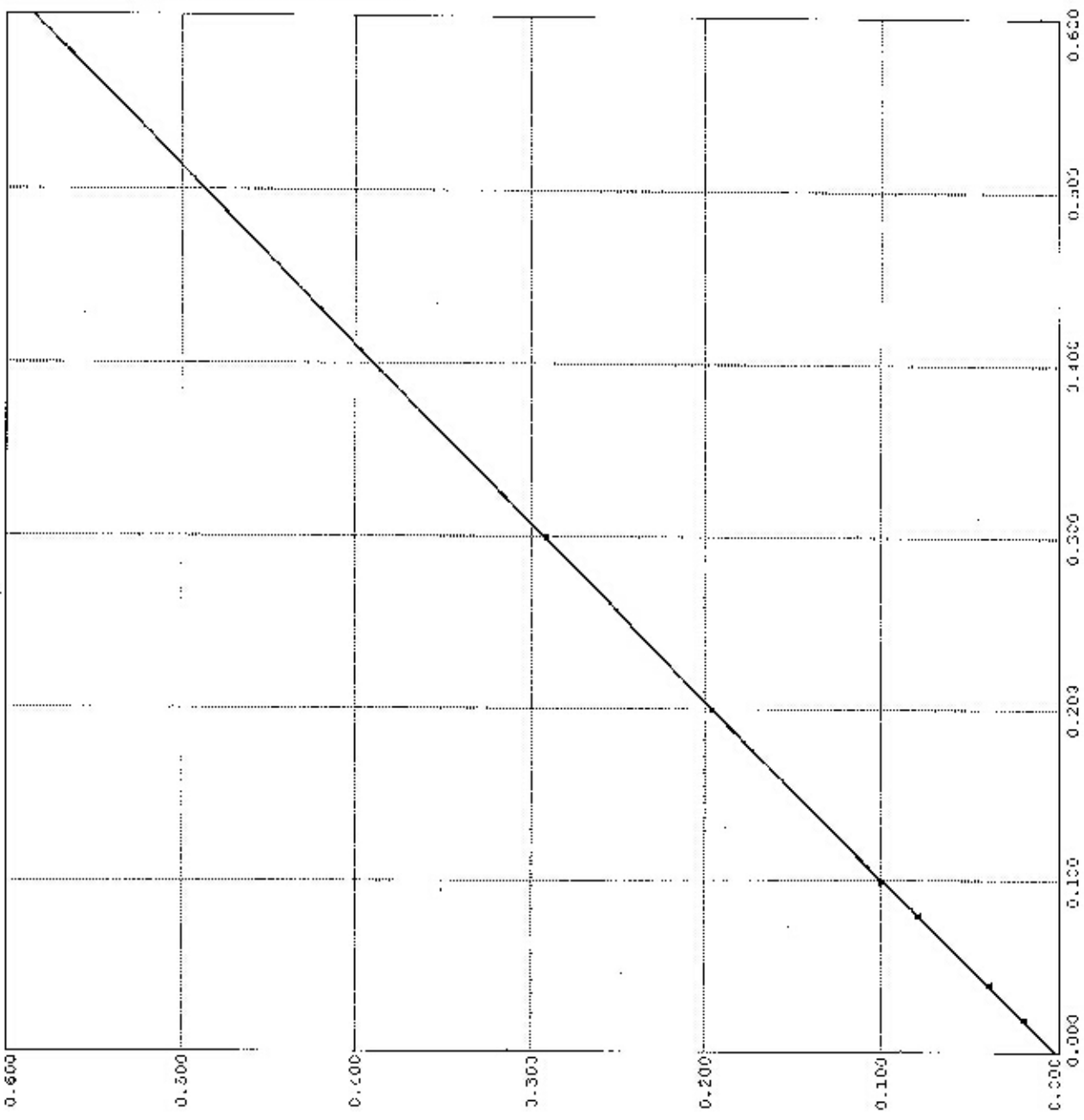
Alaska Department of Public Safety  
 DATAMASTER Unit: 100391

Date: 08/30/2011  
 Time: 07:30:57

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

TARGET	AVERAGE	STD. DEV.
0.019	0.0206	0.0005
0.039	0.0300	0.0030
0.079	0.0798	0.0004
0.099	0.1002	0.0004
0.199	0.1966	0.0005
0.299	0.2922	0.0004

SLOPE = 0.970303  
 R<sup>2</sup> = 0.99965



*CB*

0087/19



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DAWAMASTER dms: 100391

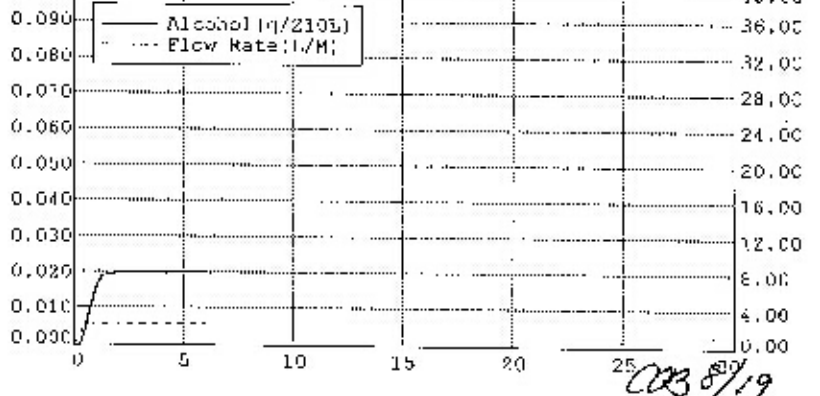
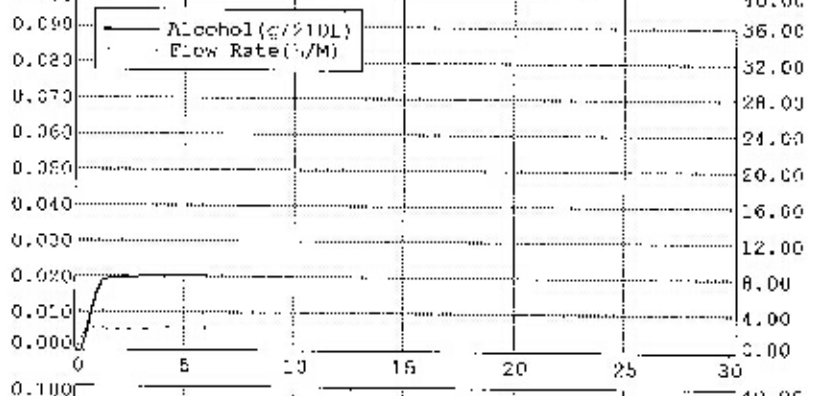
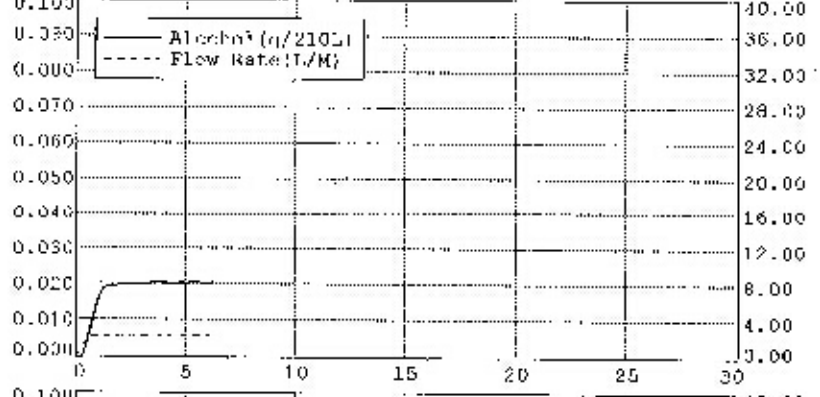
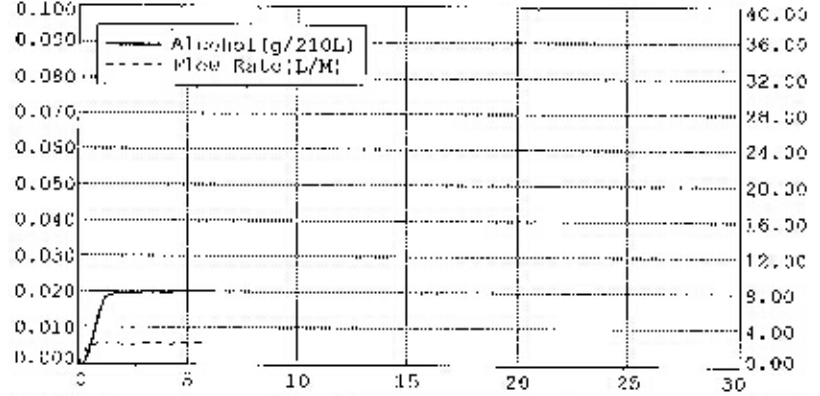
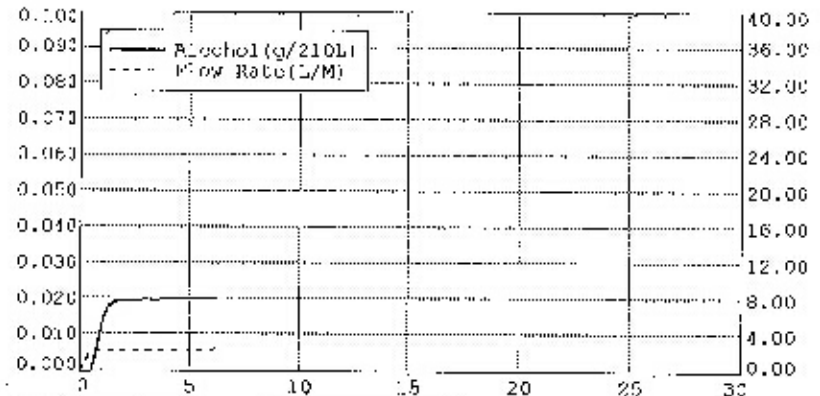
Date: 08/30/2011  
 Time: 07:30:38

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.91: 0.019  
 LOT #: 13210020A1  
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	07:31
INTERNAL STANDARD	VERIFIED	07:31
EXTERNAL STANDARD	0.020	07:32
BLANK TEST	0.000	07:32
EXTERNAL STANDARD	0.021	07:33
BLANK TEST	0.000	07:34
EXTERNAL STANDARD	0.021	07:34
BLANK TEST	0.000	07:35
EXTERNAL STANDARD	0.021	07:35
BLANK TEST	0.000	07:36
EXTERNAL STANDARD	0.020	07:36
BLANK TEST	0.000	07:37

Average = 0.0206  
 Std Dev = 0.0005



003 8/19



## LINEARITY CHECK: Control Test 2

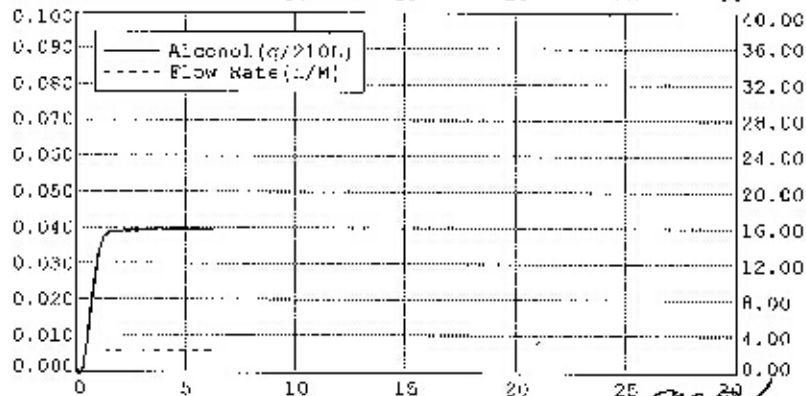
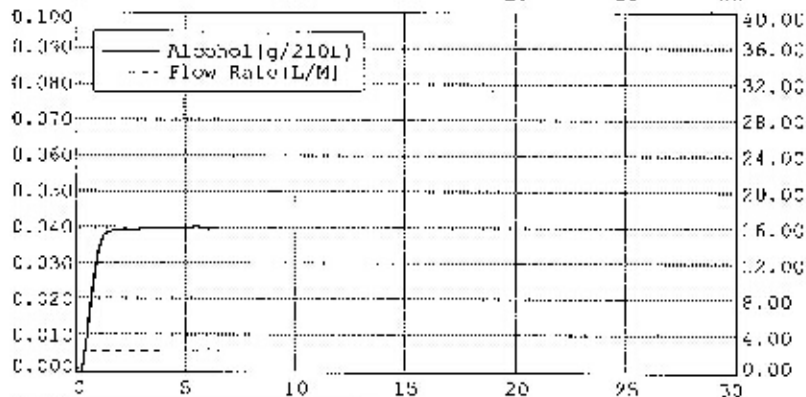
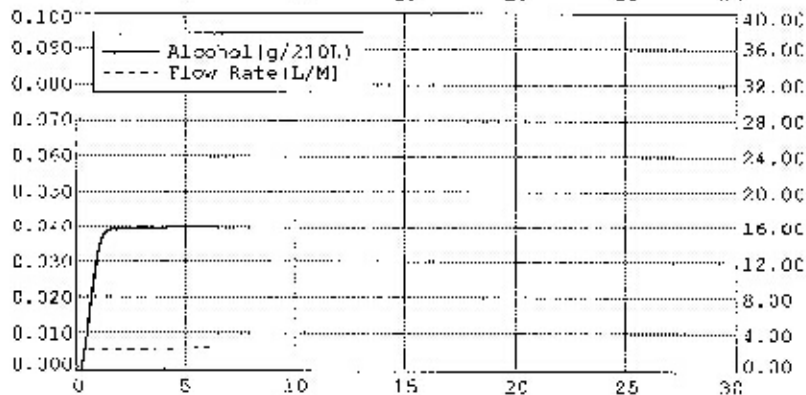
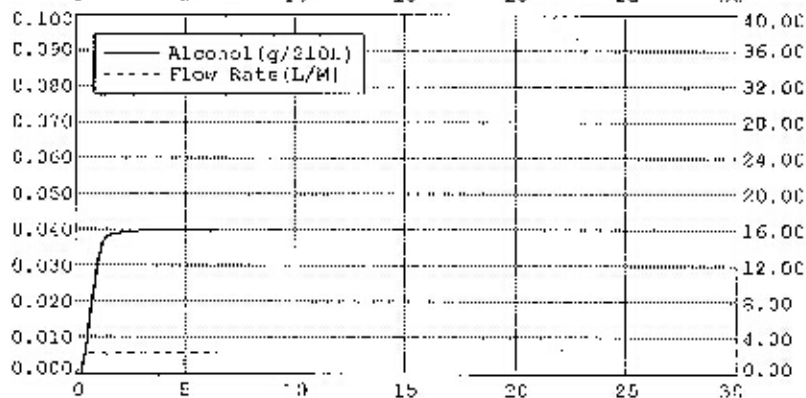
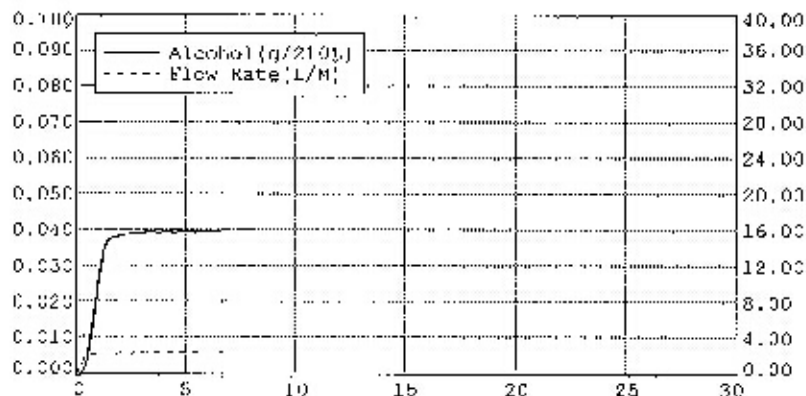
Alaska Department of Public Safety  
DACMASTER dml: 100391

Date: 08/30/2011  
Time: 07:38:45

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.040  
TARGET AT 29.91: 0.039  
LQC #: 15210040A2  
EXPIRATION: 07/01/2012

BLANK TEST	0.000	07:39
INTERNAL STANDARD	VERIFIED	07:39
EXTERNAL STANDARD	0.040	07:40
BLANK TEST	0.000	07:41
EXTERNAL STANDARD	0.040	07:41
BLANK TEST	0.000	07:42
EXTERNAL STANDARD	0.040	07:42
BLANK TEST	0.000	07:43
EXTERNAL STANDARD	0.040	07:43
BLANK TEST	0.000	07:44
EXTERNAL STANDARD	0.040	07:44
BLANK TEST	0.000	07:45

Average = 0.0450  
Std Dev = 0.0000



08/31/19

LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100391

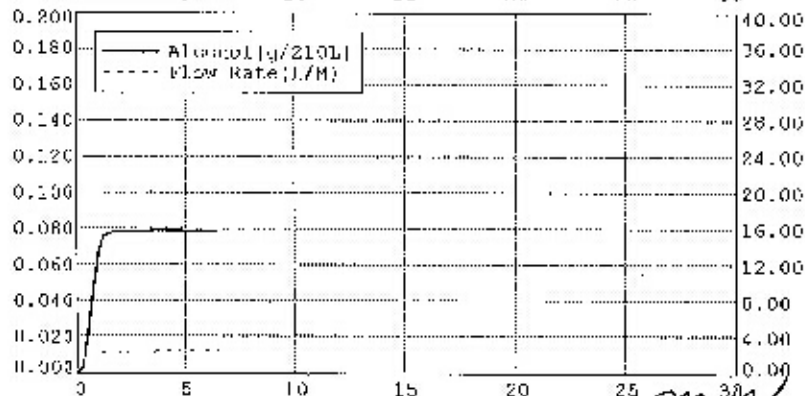
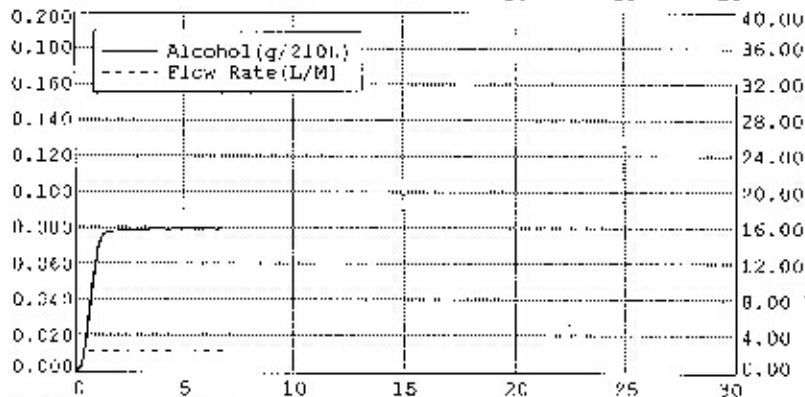
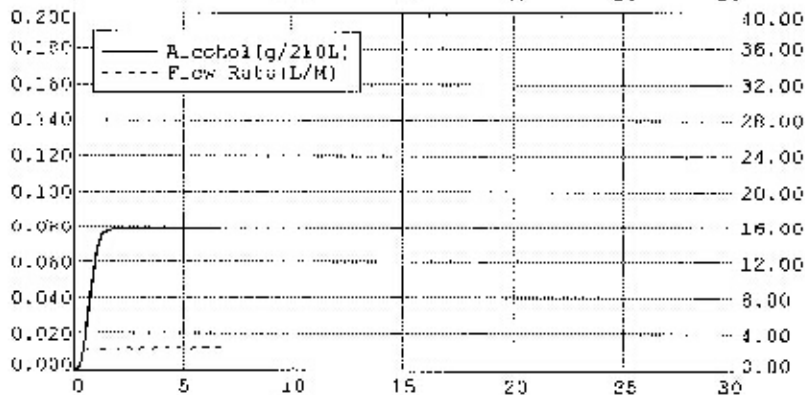
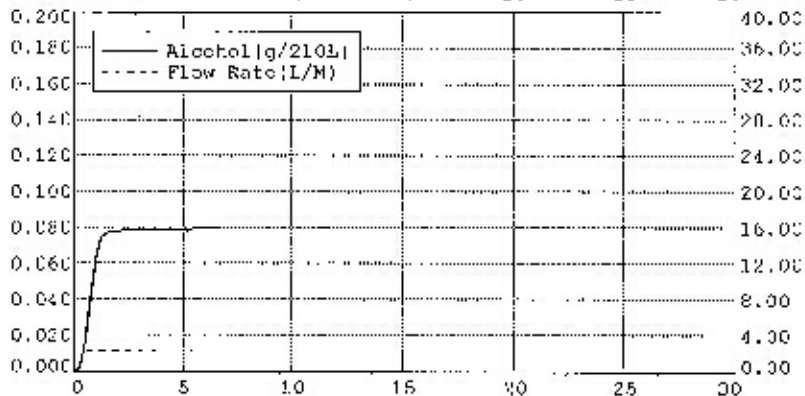
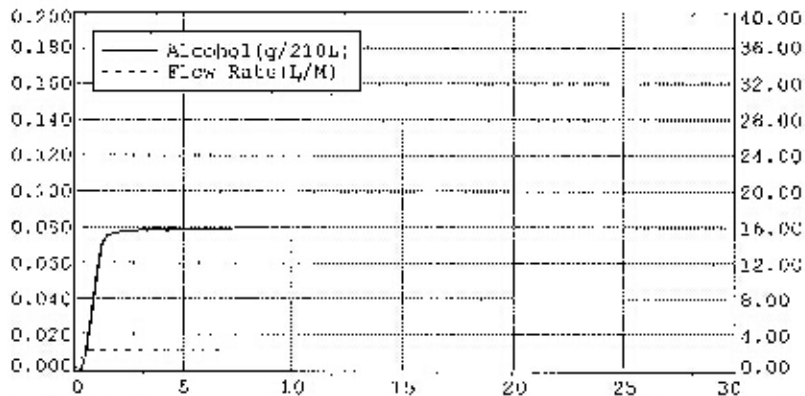
Date: 08/30/2011  
 Time: 07:46:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.91: 0.079  
 LOT #: 0251100CA3  
 EXPIRATION: 02/01/2013

BLANK TEST	0.000	07:47
INTERNAL STANDARD	VERIFIED	07:47
EXTERNAL STANDARD	0.000	07:48
BLANK TEST	0.000	07:48
EXTERNAL STANDARD	0.080	07:49
BLANK TEST	0.000	07:50
EXTERNAL STANDARD	0.000	07:50
BLANK TEST	0.000	07:51
EXTERNAL STANDARD	0.080	07:51
BLANK TEST	0.000	07:52
EXTERNAL STANDARD	0.079	07:52
BLANK TEST	0.000	07:53

Average 0.0798  
 Std Dev = 0.0004



COB 8/30/11

LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety  
 BATHMASTER dm.: 100391

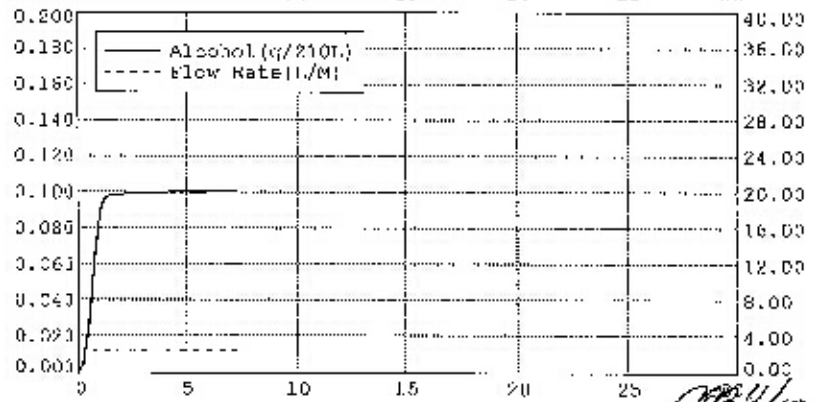
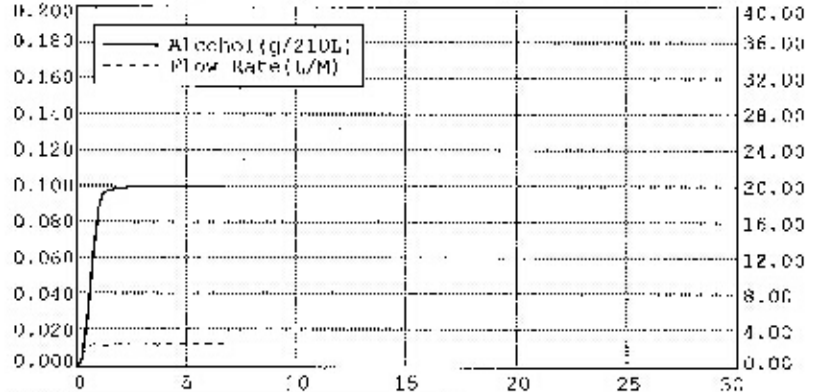
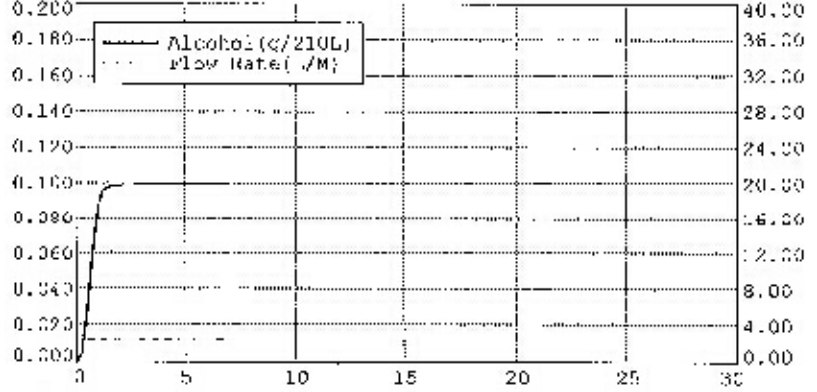
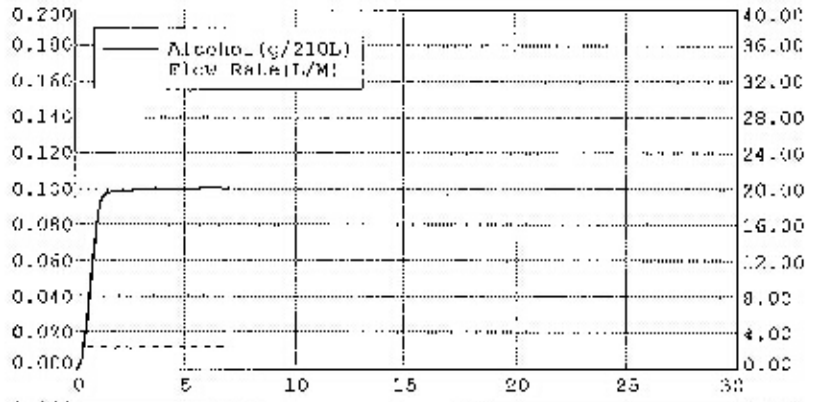
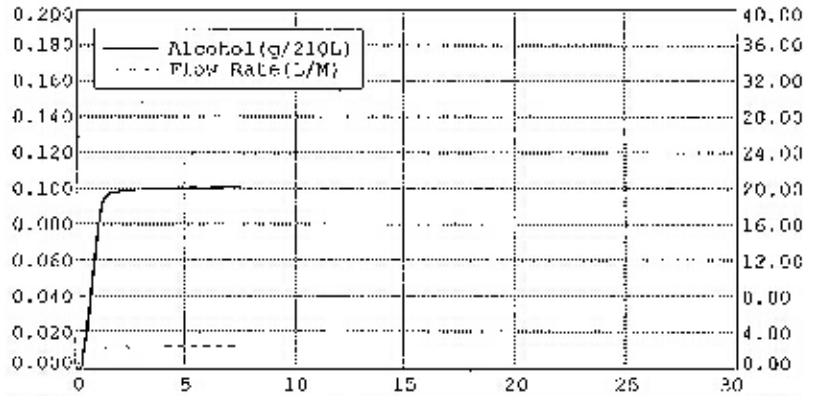
Date: 08/30/2011  
 Time: 07:54:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.91: 3.089  
 LOT #: 07611100A3  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	07:55
INTERNAL STANDARD	VERIFIED	07:55
EXTERNAL STANDARD	0.101	07:55
BLANK TEST	0.300	07:56
EXTERNAL STANDARD	0.100	07:56
BLANK TEST	0.300	07:57
EXTERNAL STANDARD	0.100	07:57
BLANK TEST	0.000	07:58
EXTERNAL STANDARD	0.100	07:58
BLANK TEST	0.000	07:59
EXTERNAL STANDARD	0.100	08:00
BLANK TEST	0.000	08:01

Average = 0.1002  
 Std Dev = 0.0004



COB 11/19



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety  
 DATAMASTER dm: 100391

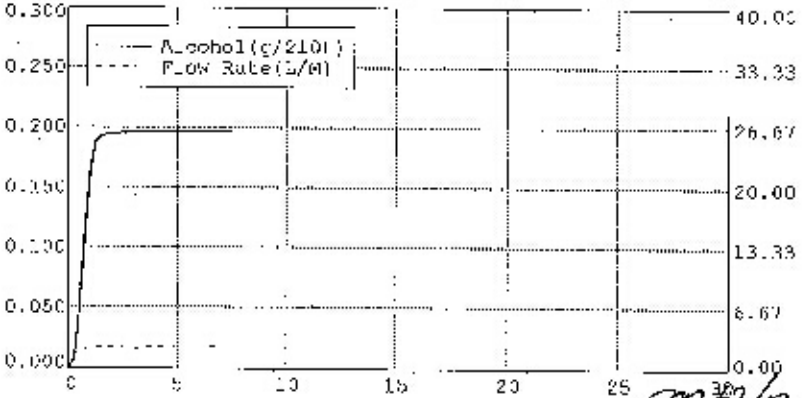
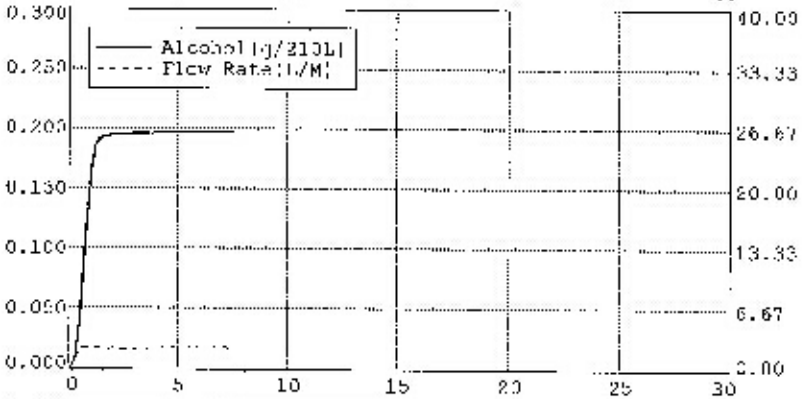
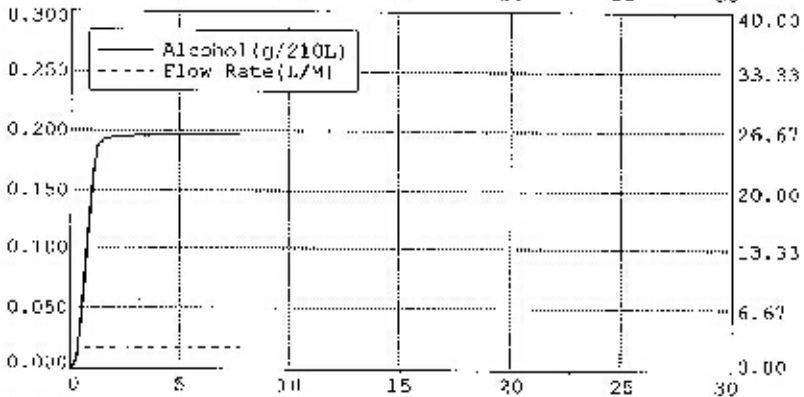
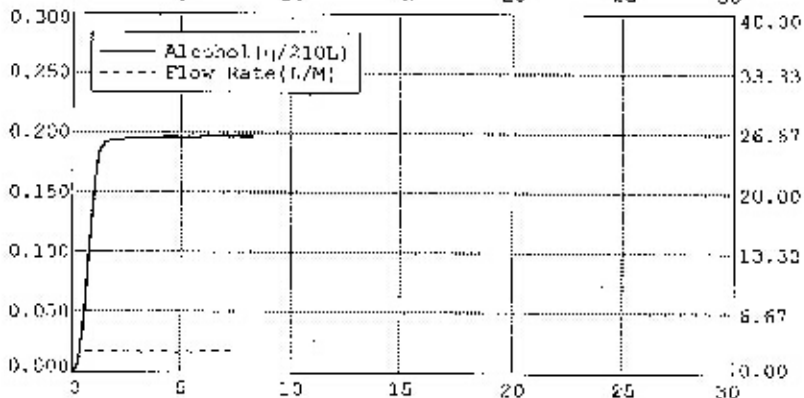
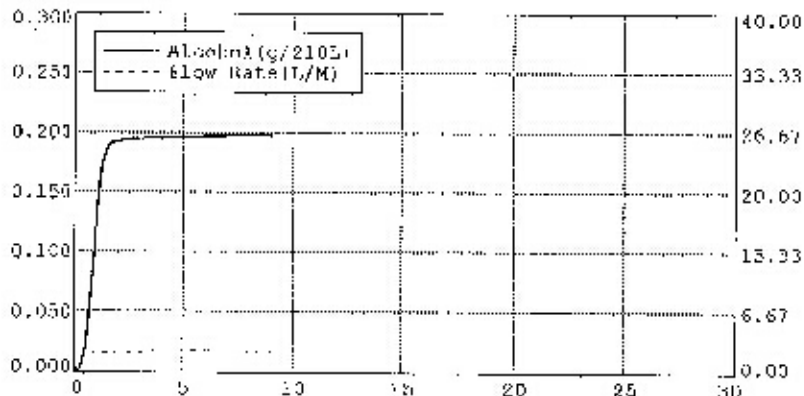
Date: 08/30/2011  
 Time: 08:01:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.203  
 TARGET AT 29.91: 0.199  
 LOT #: 37411200A2  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:02
INTERNAL STANDARD	VERIFIED	08:03
EXTERNAL STANDARD	0.197	08:03
BLANK TEST	0.000	08:04
EXTERNAL STANDARD	0.197	08:04
BLANK TEST	0.000	08:05
EXTERNAL STANDARD	0.197	08:05
BLANK TEST	0.000	08:06
EXTERNAL STANDARD	0.196	08:06
BLANK TEST	0.000	08:07
EXTERNAL STANDARD	0.196	08:08
BLANK TEST	0.000	08:08

Average = 0.1966  
 Std Dev = 0.0005



COB 30/19

LINEARITY CHECK: Control Test: 6

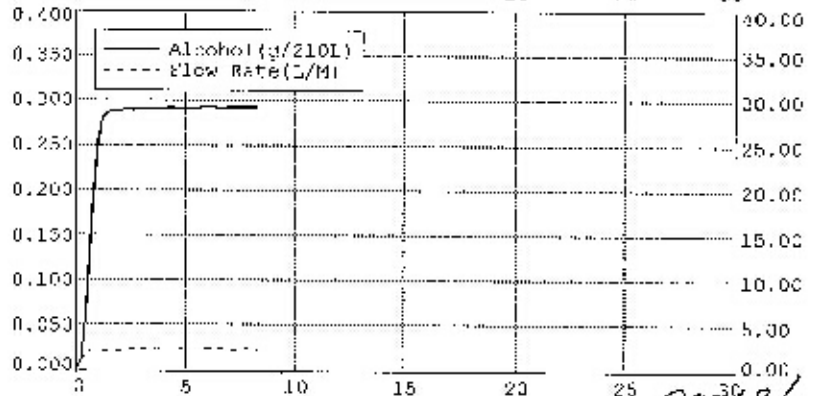
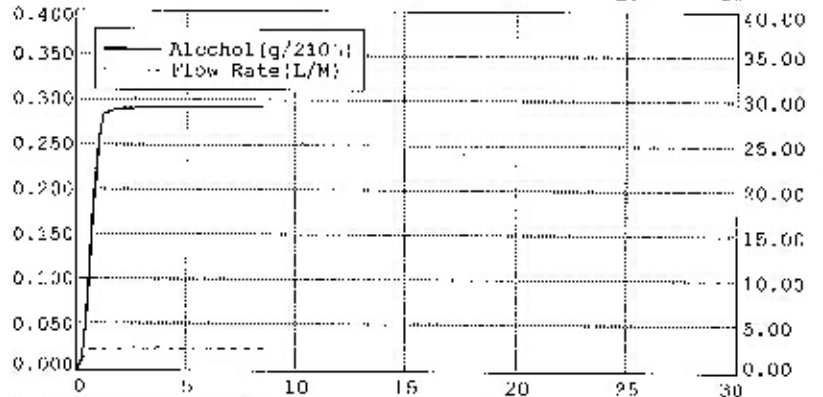
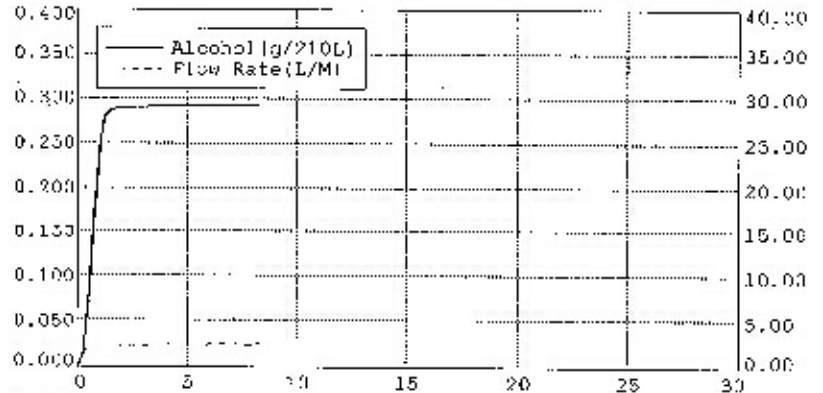
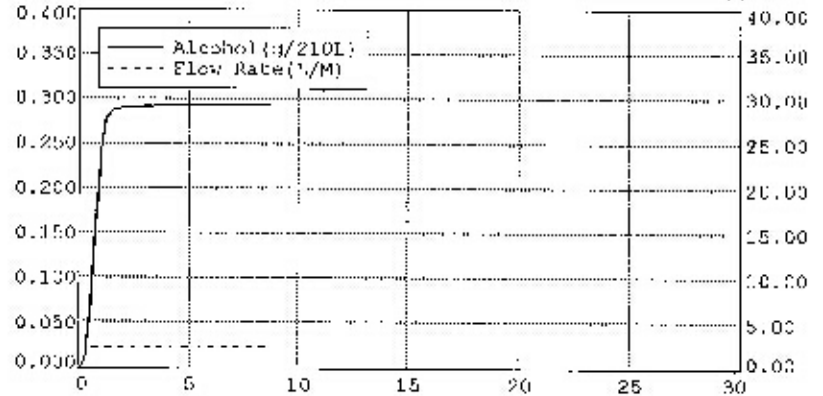
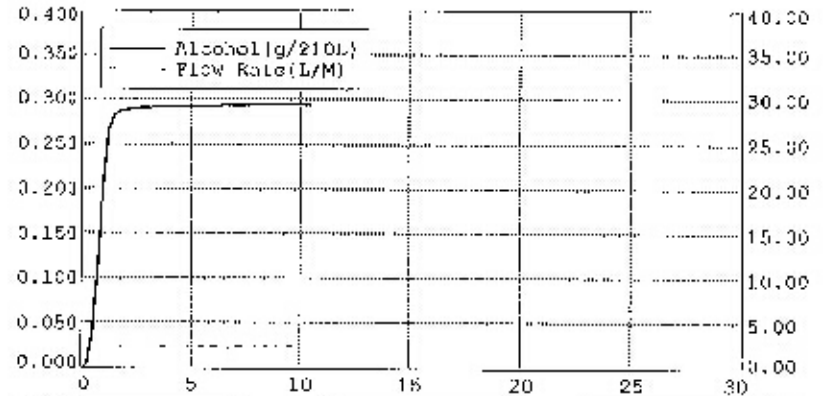
Alaska Department of Public Safety  
 MATMASTER dml: 100391

Date: 08/30/2011  
 Time: 08:13:39

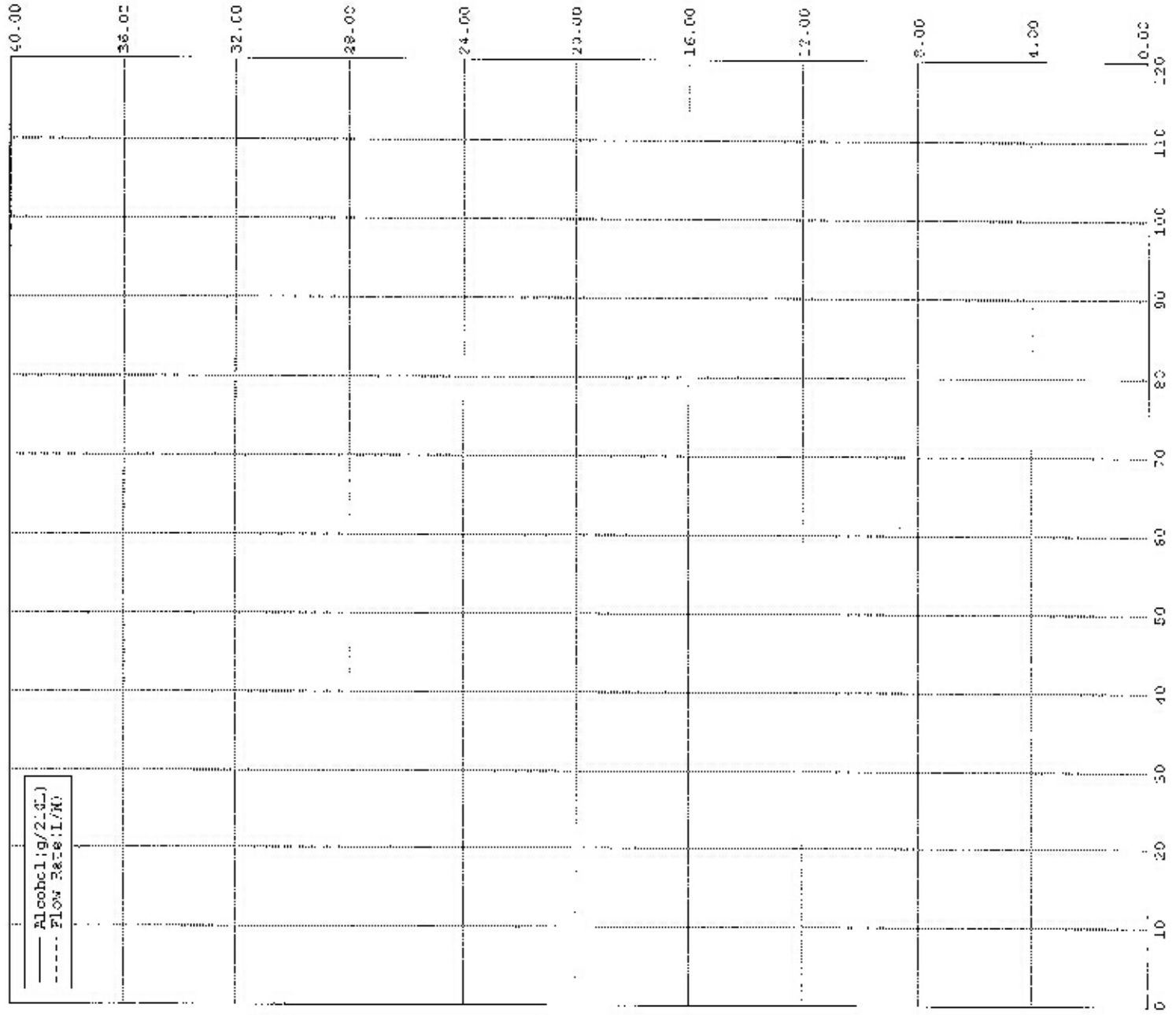
EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 TARGET AT 29.91: 0.299  
 LOT #: 07511300A1  
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	08:14
INTERNAL STANDARD	VERIFIED	08:14
EXTERNAL STANDARD	0.293	08:15
BLANK TEST	0.000	08:16
EXTERNAL STANDARD	0.292	08:16
BLANK TEST	0.000	08:17
EXTERNAL STANDARD	0.292	08:17
BLANK TEST	0.000	08:18
EXTERNAL STANDARD	0.292	08:18
BLANK TEST	0.000	08:19
EXTERNAL STANDARD	0.292	08:19
BLANK TEST	0.000	08:20

Average = 0.2922  
 Std Dev = 0.0004



08/30/11



**SUBJECT TEST**

Alaska Department of Public Safety  
 DATAMASTER dml: 100391

Date: 08/30/2011  
 Time: 08:24:57

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INCOMPLETE

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

DEPT/AGENCY:  
 AAAA

CASE/REPORT: 11-1234  
 TEST TYPE: TEST

**EXTERNAL STANDARD INFORMATION**

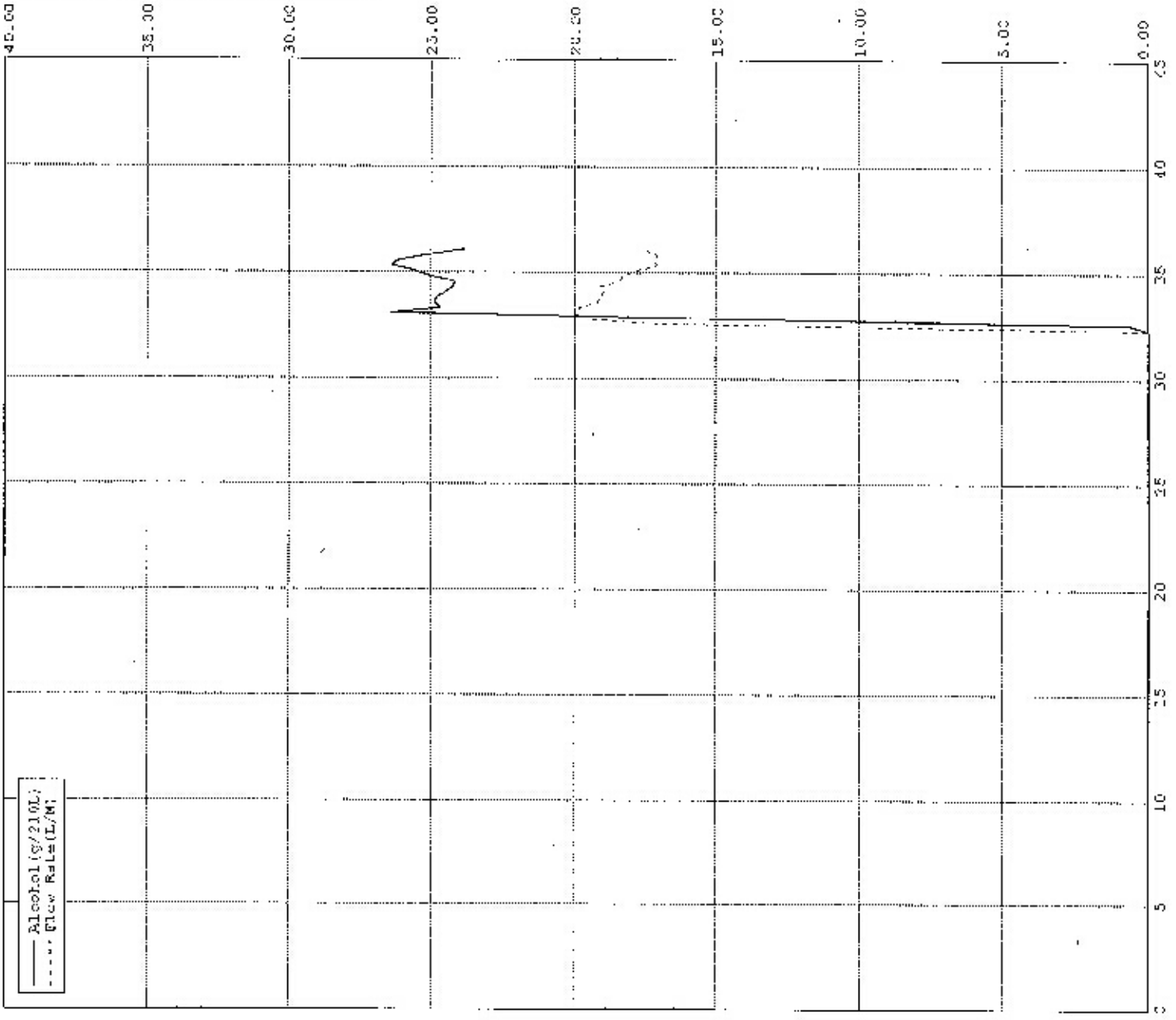
NOMINAL: 0.080  
 TARGET AC 29.90: 0.079  
 LOT #: 0251108023  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK

BLANK TEST	0.000	PASSED	08:26
INTERNAL STANDARD	VERIFIED	08:26	
EXTERNAL STANDARD	0.080	08:26	
BLANK TEST	0.000	08:27	
SUBJECT SAMPLE	INCOMPLETE	08:29	

CRB  
CRB 11/19





SUBJECT TEST

-----  
 Alaska Department of Public Safety  
 DATANASIER dal: 20039  
 -----  
 Date: 08/30/2011  
 Time: 08:33:20

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INVALID

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

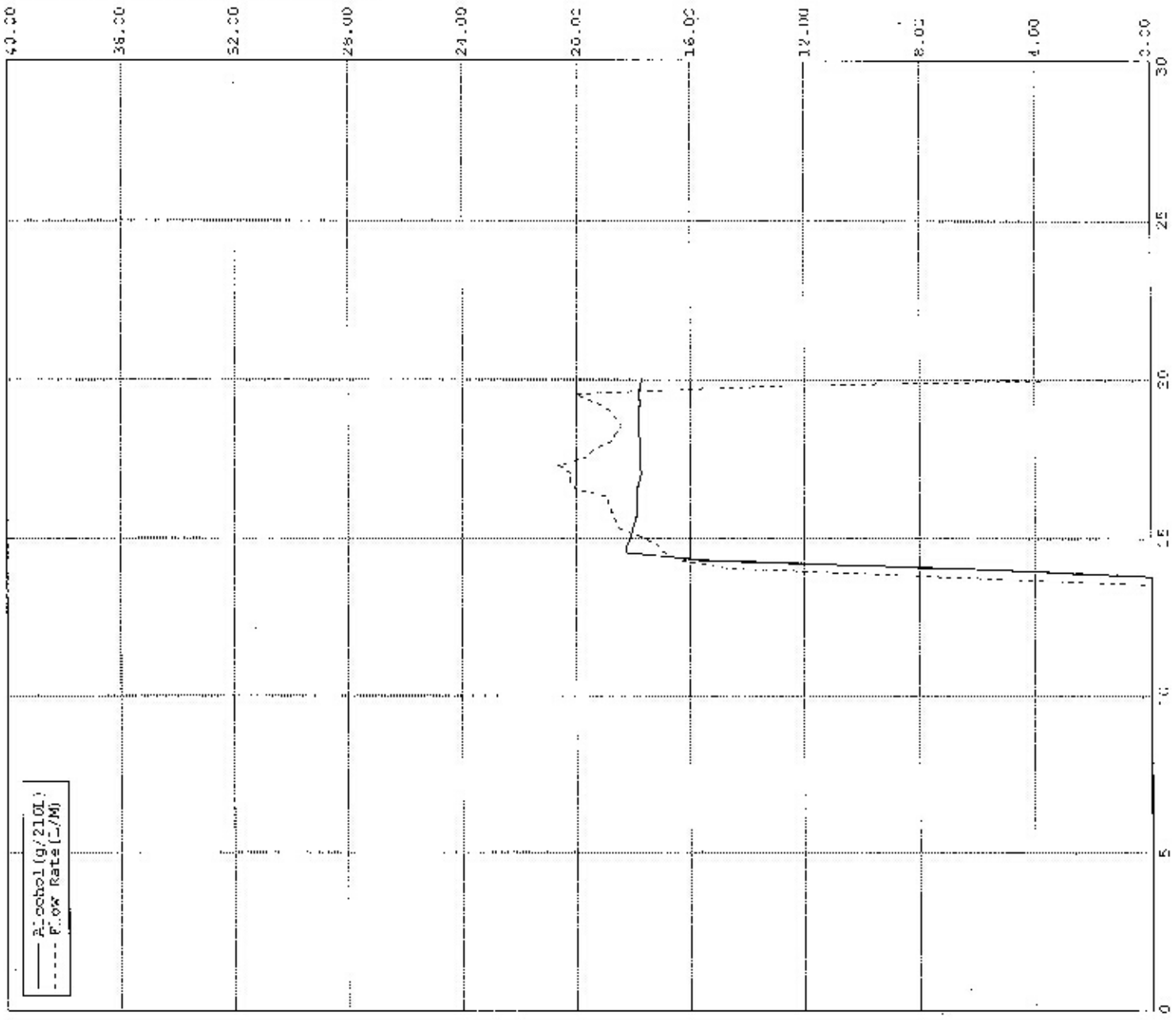
DEPT/AGENCY:  
 AAAA

CASE/REPORT: LL-1234  
 TEST YPP: CRST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.000  
 TARGET AT 29.91: 0.079  
 LOT #: C2511380A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:34
BLANK TEST	0.000	08:34
INTERNAL STANDARD	VERIFIED	08:34
EXTERNAL STANDARD	0.080	08:35
BLANK TEST	0.000	08:36
SUBJECT SAMPLE	Invalid	08:36

CAS  
 CAS 15/19



SUBJECT TEST

Alaska Department of Public Safety  
 DEMONSTRATOR dno: 100391

Date: 08/30/2011  
 Time: 08:48:16

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INTF-ACEPHONE

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

DEPT/AGENCY:  
 AAA1

CASE/REPORT: 11-1234  
 TEST TYPE: IBC

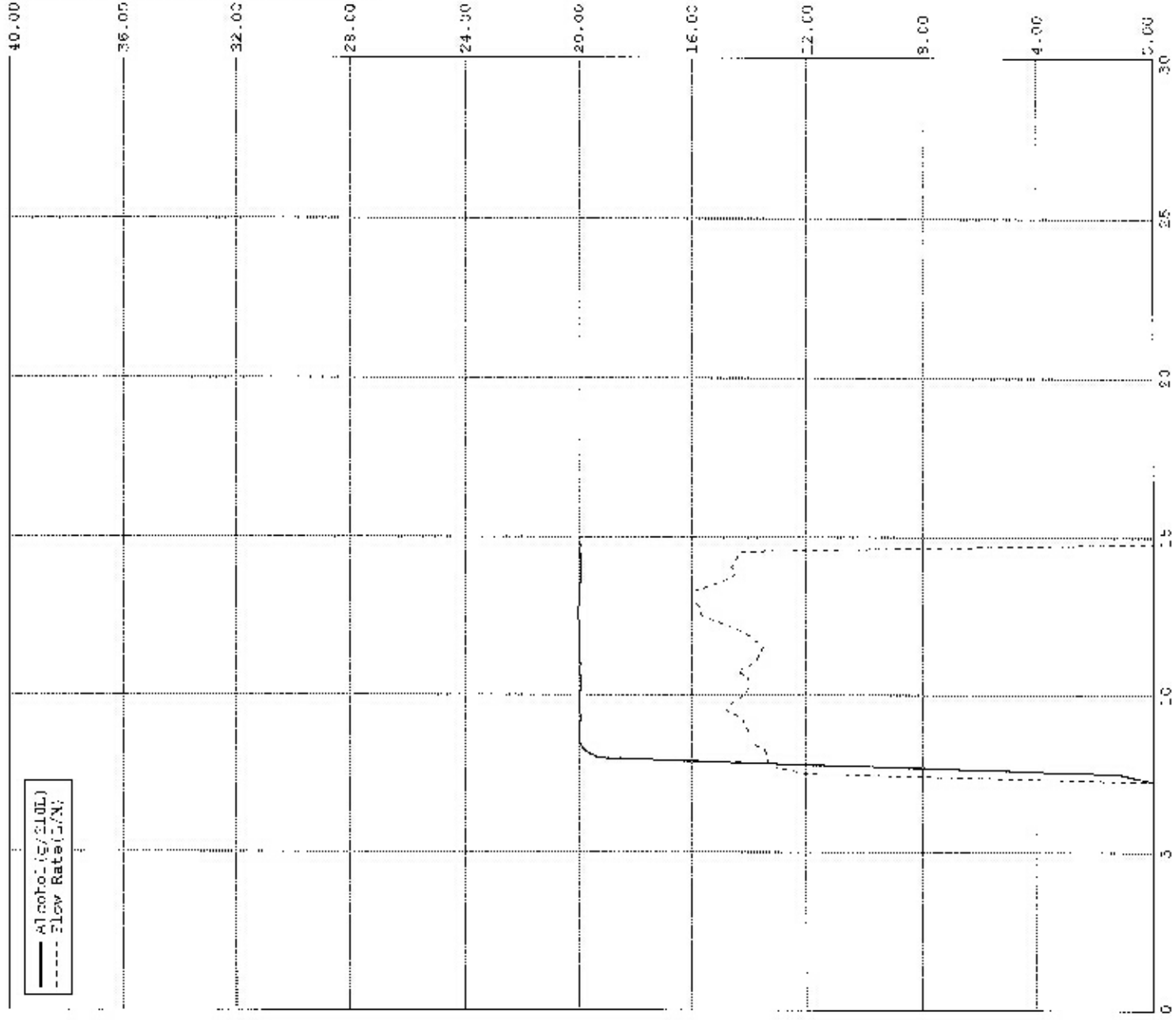
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AC 29.91: 0.079  
 LOT #: 02511030A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	08:51
BLANK TEST	0.000	08:51
INTERNAL STANDARD	VERIFIED	08:51
EXTERNAL STANDARD	0.080	08:51
BLANK TEST	0.000	08:52
SUBJECT SAMPLES	INTERFERENCE	08:53

*CSB*

*CSB 10/19*



**SUBJECT TEST**

Alaska Department of Public Safety  
 DATA\$STAR dnt: 100391

Date: 08/30/2011  
 Time: 08:56:55

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: INFF-ISOPROF

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 25.91: 0.079  
 LOT #: 02511080A3  
 EXPIRATION: 02/02/2013

DIAGNOSTIC CHECK PASSED 08:58  
 BLANK TEST 0.000 08:58  
 INTERNAL STANDARD VERIFIED 08:59  
 EXTERNAL STANDARD 0.000 08:59  
 BLANK TEST 0.000 09:00  
 SUBJECT SAMPLE INTERFERENCE 09:00

*MS*

08/17/11



SUBJECT TEST

Alaska Department of Public Safety  
 DATA MASTER dml: 100391

Date: 08/30/2011  
 Time: 09:19:52

SUBJECT NAME: NONDRINKING  
 TEST TEST  
 LICENSE #: NONDRINKING

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

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

EXTERNAL STANDARD INFORMATION

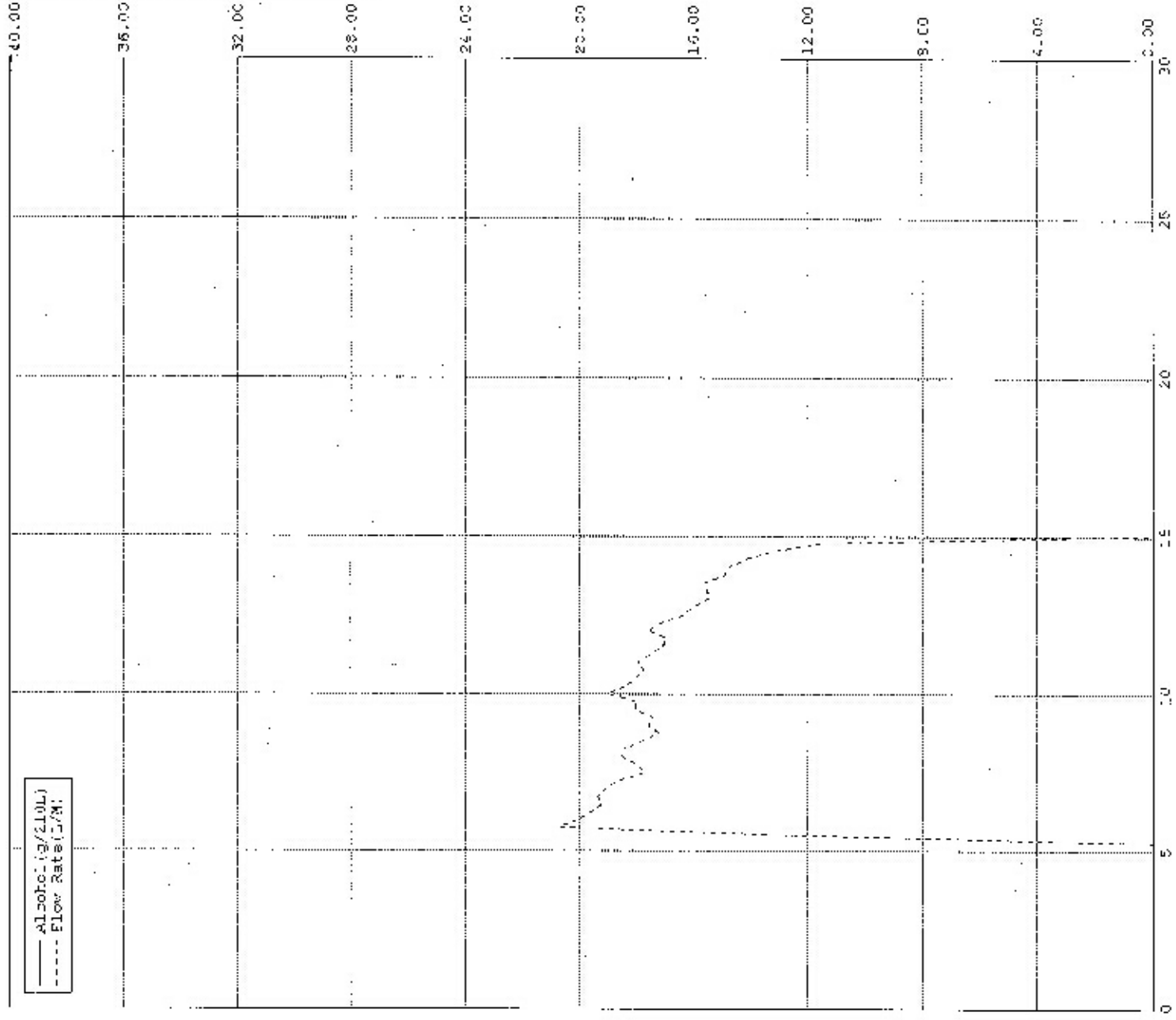
NOMINAL: 3.080  
 TARGET AT 29.9L: 0.079  
 LOT #: 02511080A3  
 EXPIRATION: 02/01/2013

DIAGNOSTIC CHECK	PASSED	TIME
BLANK TEST	0.000	09:21
INTERNAL STANDARD	VERIFIED	09:21
EXTERNAL STANDARD	0.080	09:22
BLANK TEST	0.000	09:23
SUBJECT SAMPLE	0.000	09:23
BLANK TEST	0.000	09:24
EXTERNAL STANDARD	0.000	09:24
BLANK TEST	0.000	09:25

*COB*

*COB 11/19*

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



Final page for report

\

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

2/19/2014