	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 # 100411

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 15210080A1 Exp 7/1/12
 - ii. 0.040g/210L Mnf ILMO Lot 15210040A2 Exp 7/1/12
 - iii. 0.080g/210L Mnf ILMO Lot 33609080A1 Exp 1/1/12
 - iv. 0.100g/210L Mnf ILMO Lot 05611100A2 Exp 3/1/13
 - v. 0.200g/210L Mnf ILMO Lot 07411200A2 Exp 3/1/13
 - vi. 0.300g/210L Mnf ILMO Lot 07911300A1 Exp 3/1/13
6. Functional Tests (attached)
 - a. Incomplete
 - b. Invalid
 - c. Interference
 - i. Acetone - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/12-08
 1. Simulator Calibration Date 12/19/10 SN DR 4176
 - ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/12-08
 1. Simulator Calibration Date 12/14/10 SN SD 1198
 - d. RFI
7. Calibrate Stylus
8. Verify card reader is functional
9. Upload
10. Reset Options
11. Non-Drinking Subject Test (attached)

Analyst C. O'BryantDate 8/14/11

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 08/11/2011
Time: 07:26:27

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 46.1°C PASSED

PUMP INFO

Flow Rate = 5.652 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

CAB 9/19

Technician Screen

DATAMASTER dnt: 100411

Date: 08/11/2011

Time: 8:22 AM

Temperatures (°C)

Sample Cell: 49.8°C

Breath Tube: 45.6°C

Current Barometer 30.0 in

Volume (Ltr) 1.47

Settings

Lamp: 1.82 V

Bias: 79 V

Cooler: 1.72 V

Chopper: 533 Hz

Voltages (V)

Flow: 1.04 V

Detector: 0.056 V

08/3/11

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dnt: 100411

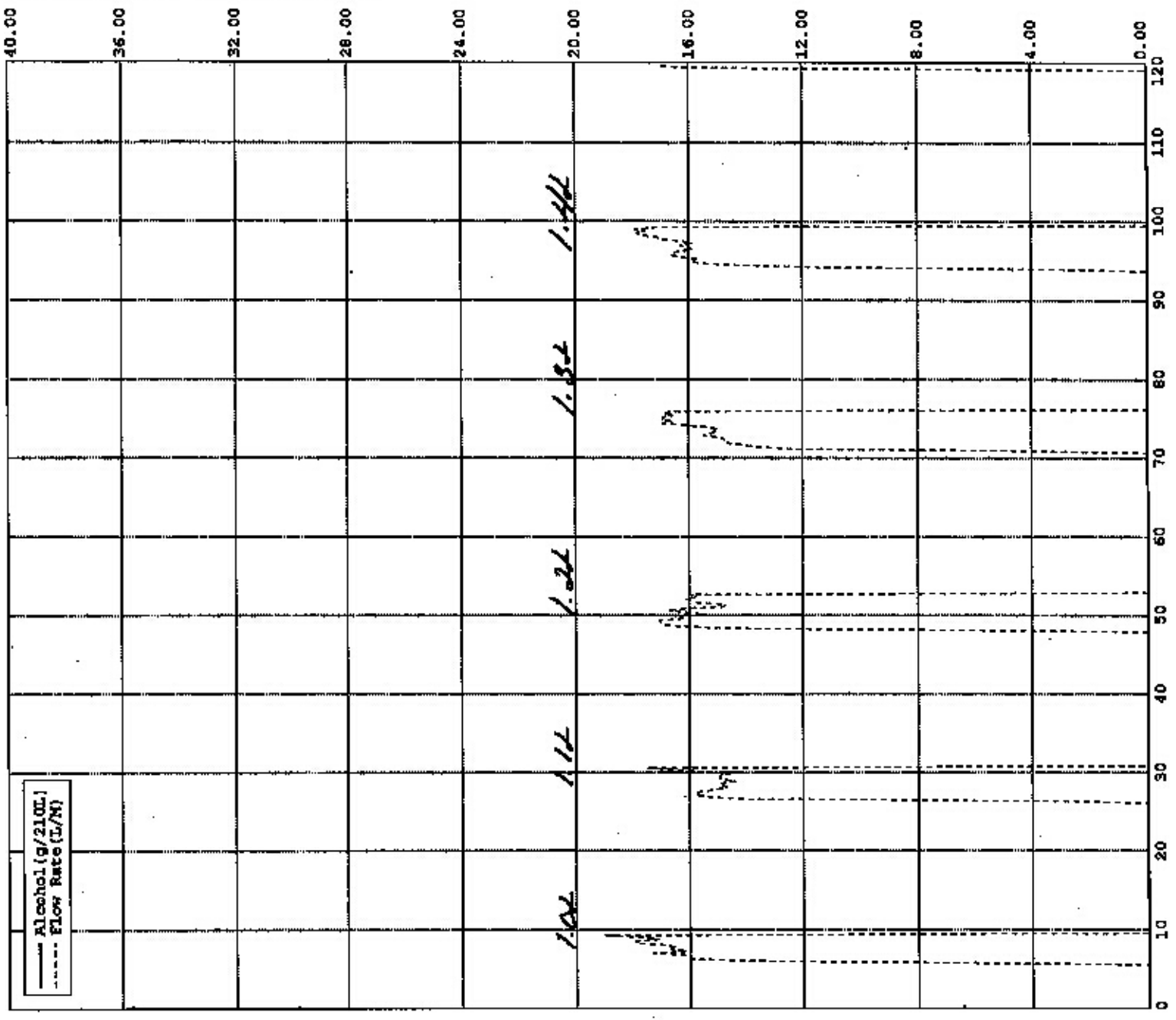
Date: 07/26/2011
Time: 14:44:26

SUPERVISOR NAME:
CHARLES FOSTER
CERTIFICATE #: 7734

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

Ca	=	0.1000		
CAL	=	0.995398	0.800	<= CAL < 1.200
b1	=	0.0004	0.0000	<= b1 < 0.0040
b2	=	0.0022	0.0010	<= b2 < 0.0100
b3	=	0.0000	0.0000	<= b3 < 0.0040
Xg	=	0.0848	0.0500	<= Xg < 0.2000
a21	=	1.129035	1.050	<= a21 < 1.300
a31	=	0.469281	0.300	<= a31 < 0.800

COB 4/19



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dnt: 100411

Date: 08/11/2011
 Time: 08:32:27

SUBJECT NAME:
 TEST TEST
 LICENSE #: VOLUME TEST

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

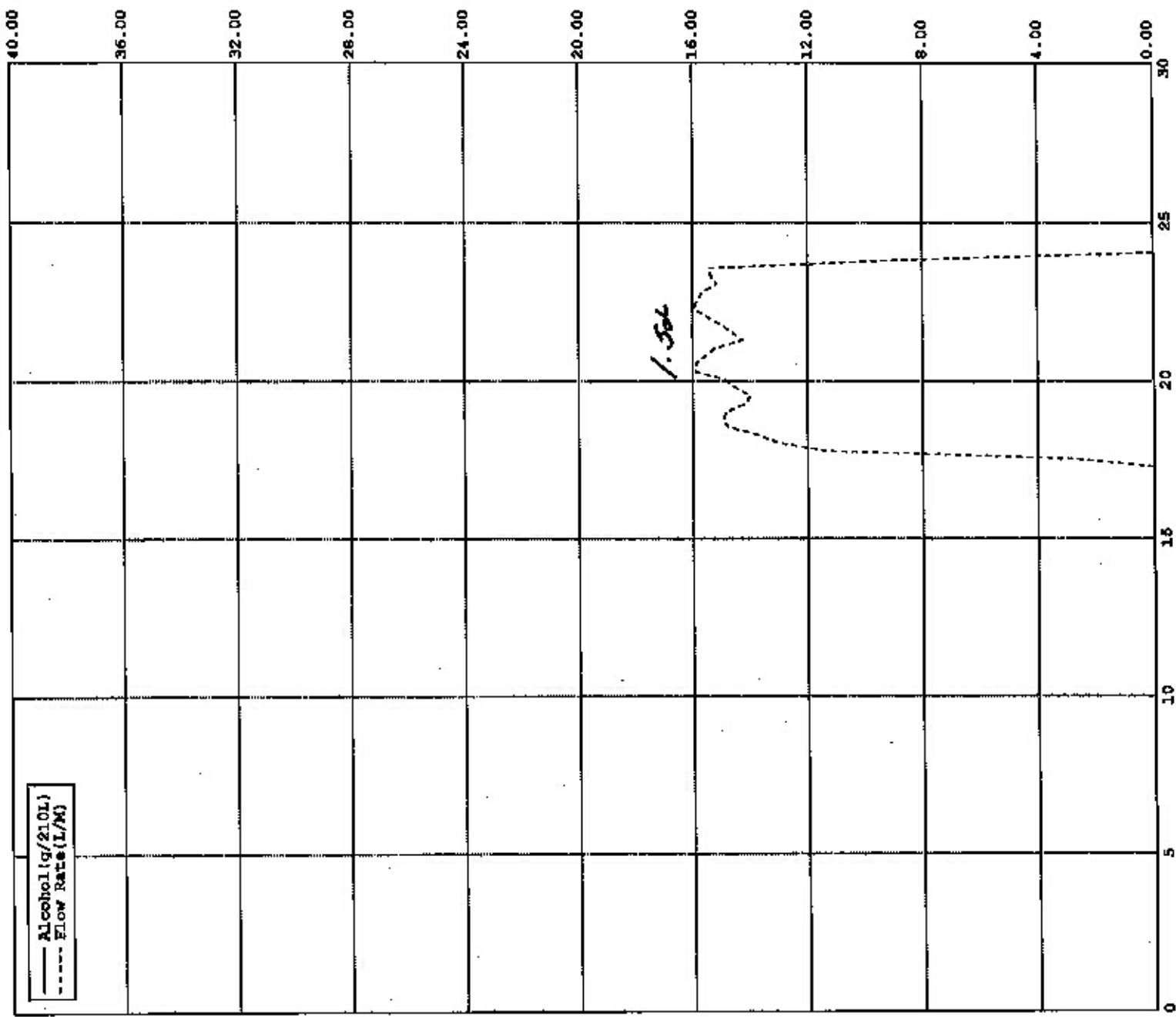
DEPT/AGENCY:
 AAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.97: 0.080
 IOT #: 336090801
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	08:33
BLANK TEST	0.000	08:33
INTERNAL STANDARD	VERIFIED	08:33
EXTERNAL STANDARD	0.079	08:34
BLANK TEST	0.000	08:34
SUBJECT SAMPLE	INCOMPLETE	08:36

1000 ml - 14000 t
 11/18 0801

0085/19



SUBJECT TEST

Alaska Department of Public Safety
 DYNAMASTER dnt: 100411

Date: 08/11/2011
 Time: 12:04:46

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

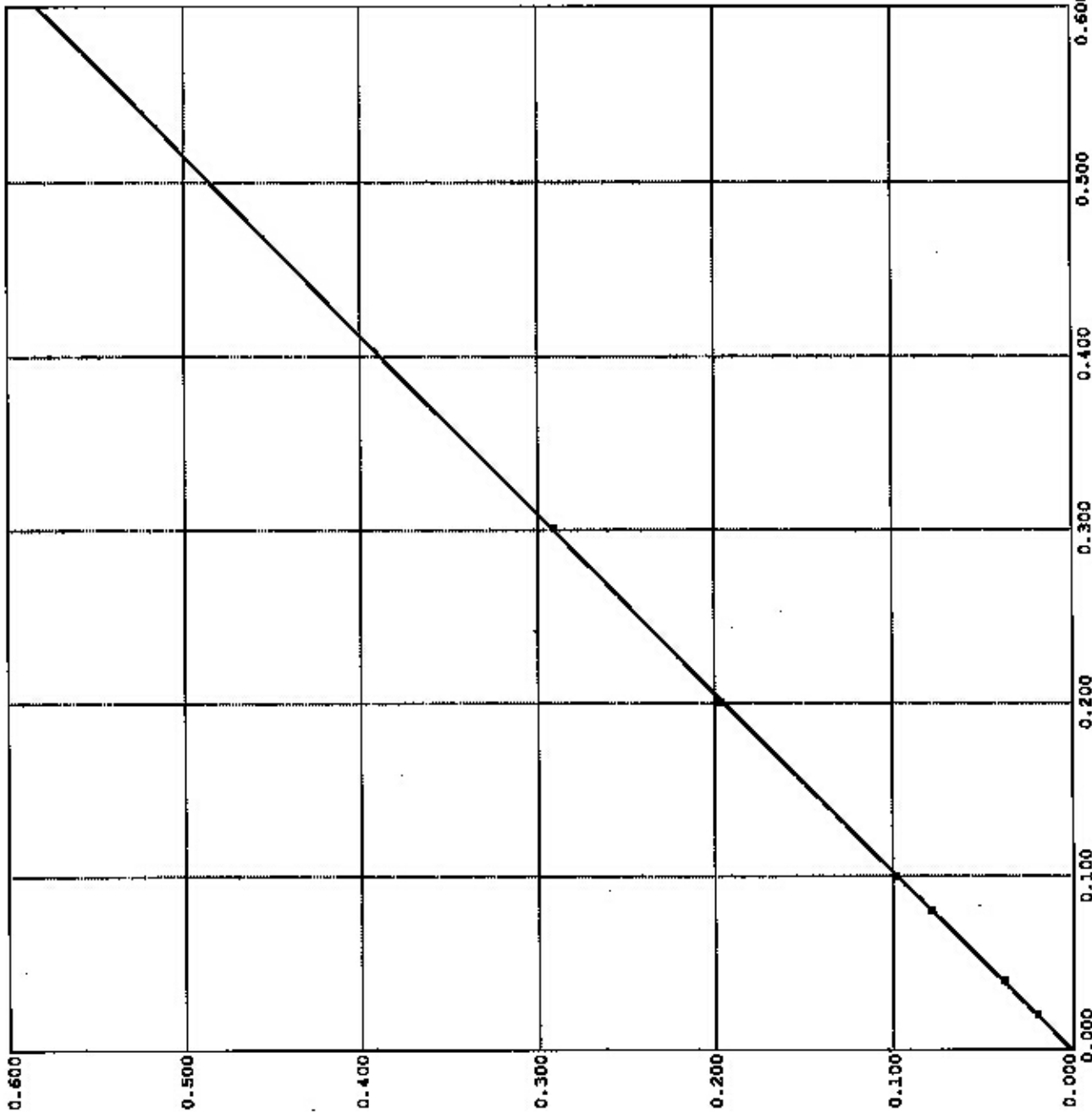
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.94: 0.080
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	12:05
BLANK TEST	0.000	12:05
INTERNAL STANDARD	VERIFIED	12:06
EXTERNAL STANDARD	0.079	12:06
BLANK TEST	0.000	12:07
SUBJECT SAMPLE	0.000	12:07
BLANK TEST	0.000	12:08
EXTERNAL STANDARD	0.079	12:08
BLANK TEST	0.000	12:09

1500 ml
 008 8/11/11

008 8/11/11



LINEARITY CHECK

Alaska Department of Public Safety

DATAWASTER dmt: 100411

Date: 08/11/2011

Time: 12:13:06

SUPERVISOR NAME:

COLLEEN S O'BRYANT

OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.020	0.0206	0.0005
0.040	0.0396	0.0005
0.060	0.0796	0.0009
0.100	0.0992	0.0004
0.200	0.1974	0.0005
0.300	0.2914	0.0009

SLOPE = 0.970047
R² = 0.999944

CS

CS 7/19

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dat: 100411

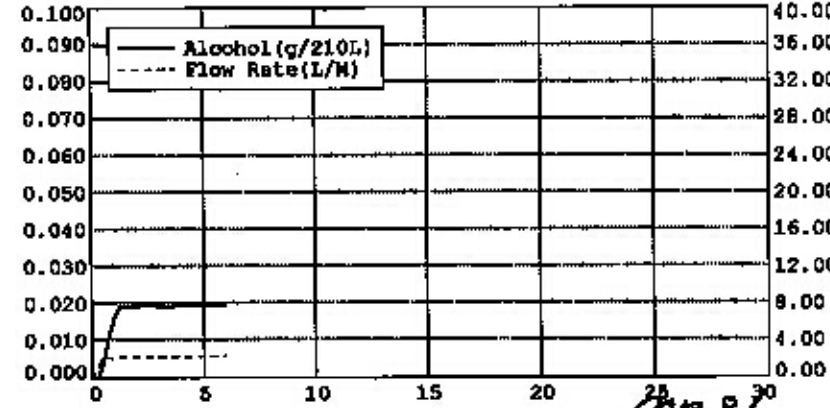
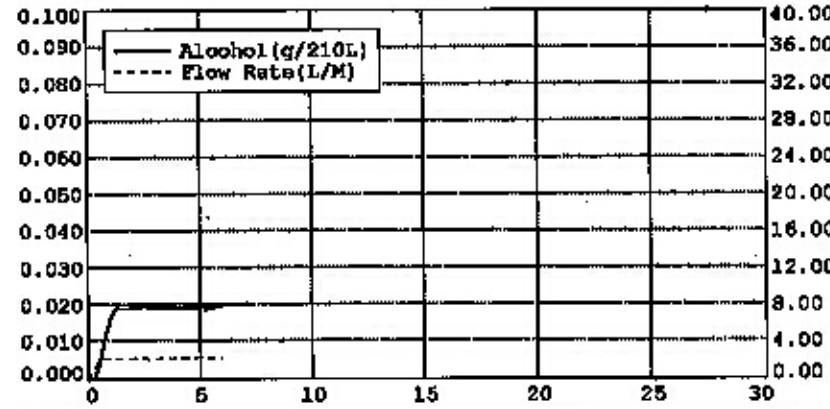
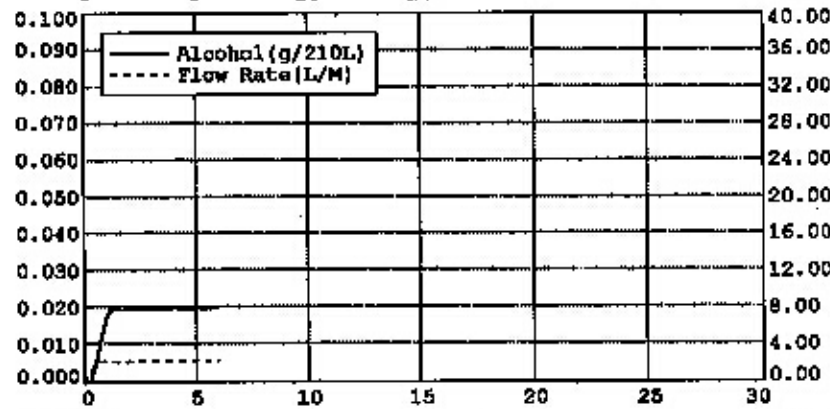
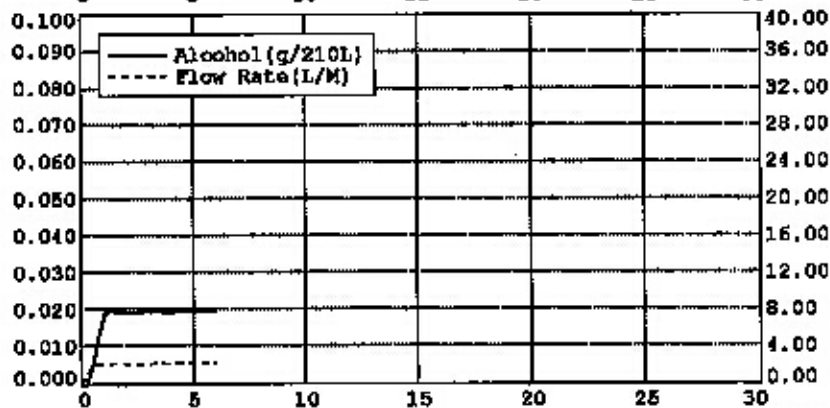
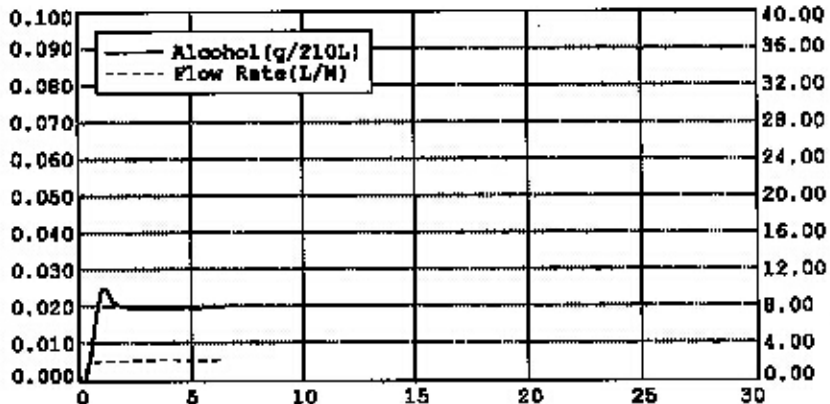
Date: 08/11/2011
 Time: 12:13:08

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.95: 0.020
 LOT #: 15210020A1
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	12:14
INTERNAL STANDARD	VERIFIED	12:14
EXTERNAL STANDARD	0.021	12:14
BLANK TEST	0.000	12:15
EXTERNAL STANDARD	0.021	12:16
BLANK TEST	0.000	12:16
EXTERNAL STANDARD	0.021	12:17
BLANK TEST	0.000	12:18
EXTERNAL STANDARD	0.020	12:18
BLANK TEST	0.000	12:19
EXTERNAL STANDARD	0.020	12:19
BLANK TEST	0.000	12:20

Average = 0.0206
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmc: 100411

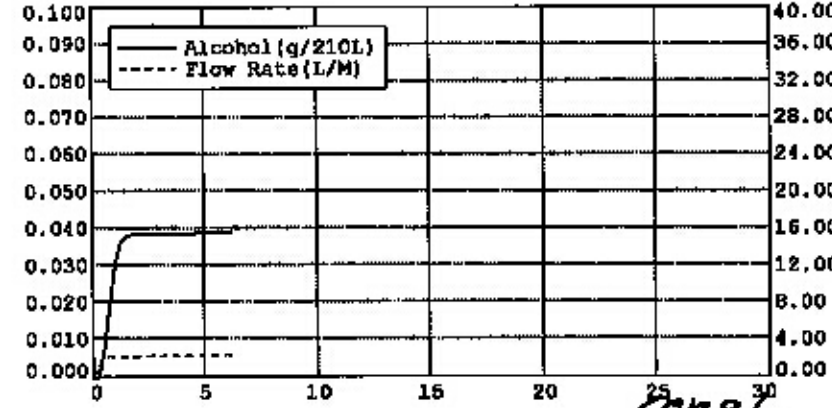
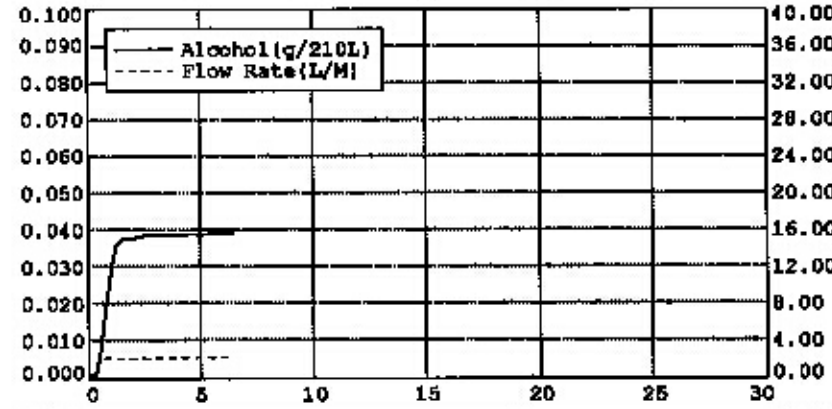
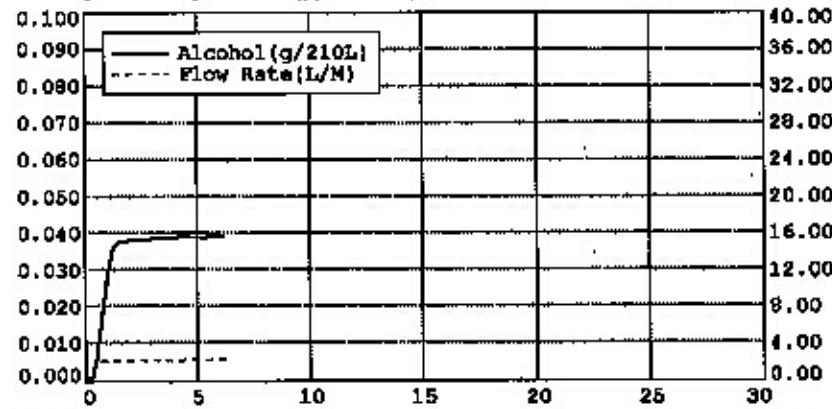
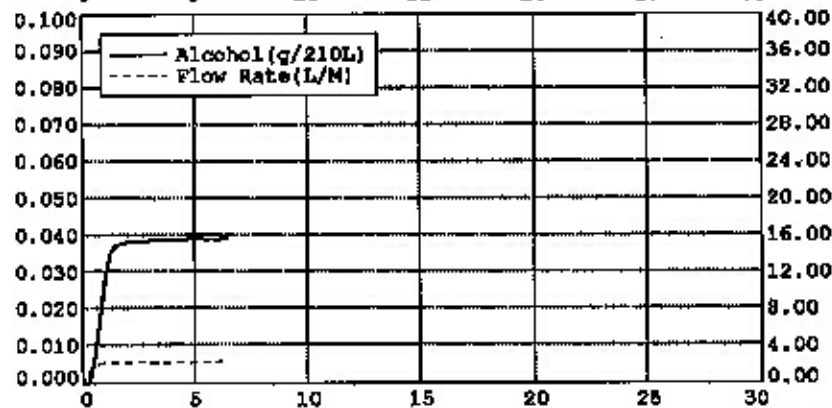
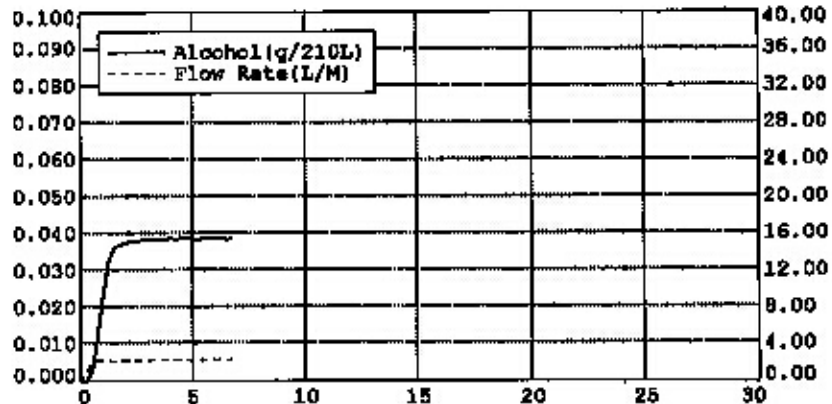
Date: 08/11/2011
 Time: 12:20:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.94: 0.040
 LOT #: 15210040A2
 EXPIRATION: 07/01/2012

BLANK TEST	0.000	12:24
INTERNAL STANDARD	VERIFIED	12:24
EXTERNAL STANDARD	0.039	12:24
BLANK TEST	0.000	12:25
EXTERNAL STANDARD	0.039	12:25
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.040	12:26
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.040	12:28
BLANK TEST	0.000	12:28
EXTERNAL STANDARD	0.040	12:29
BLANK TEST	0.000	12:30

Average = 0.0396
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DAFANASTER dat: 100411

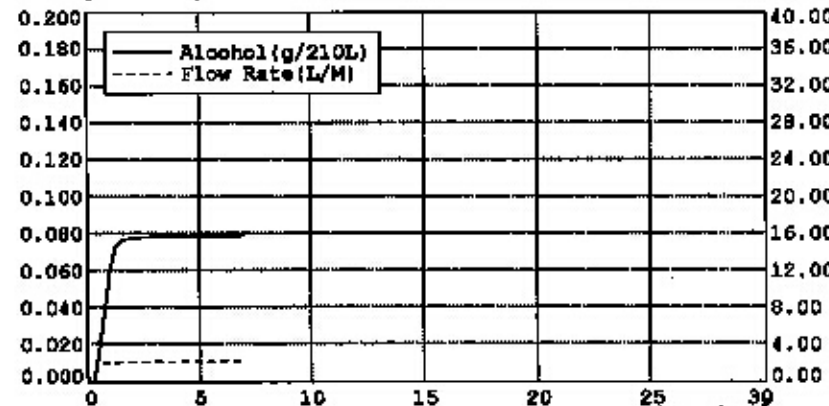
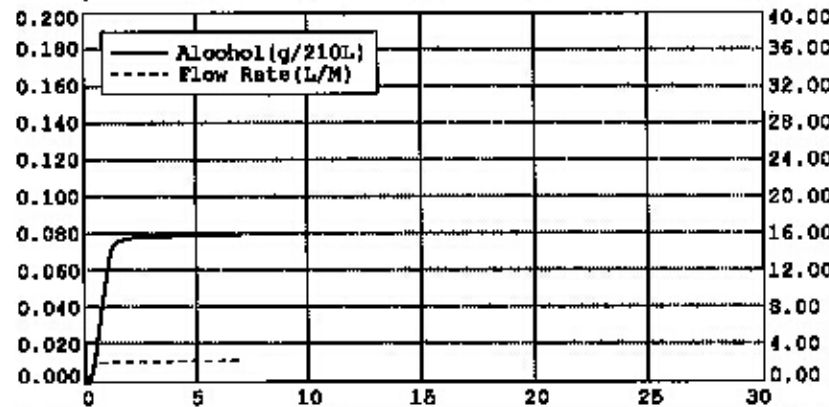
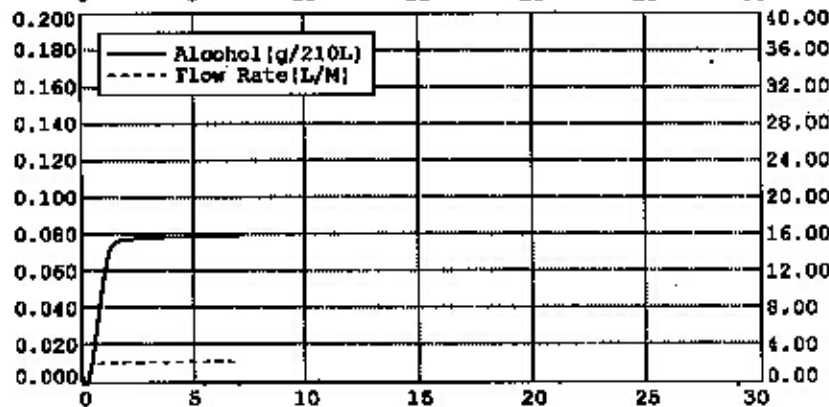
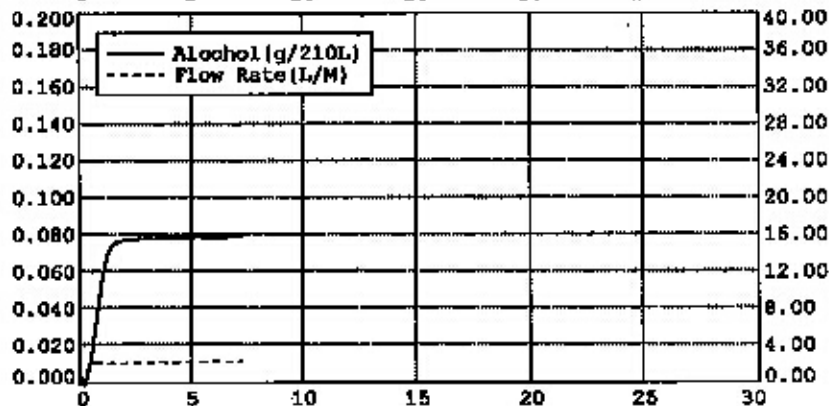
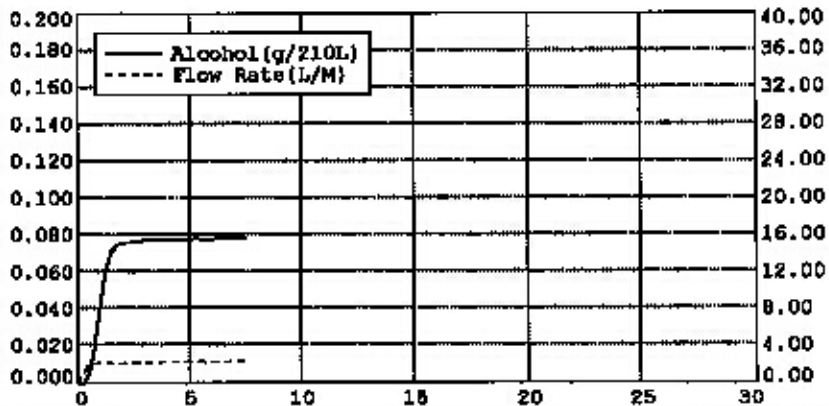
Date: 08/11/2011
 Time: 12:32:02

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.95: 0.080
 LOT #: 3360908DA1
 EXPIRATION: 01/01/2012

BLANK TEST	0.000	12:33
INTERNAL STANDARD	VERIFIED	12:33
EXTERNAL STANDARD	0.078	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.080	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.080	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.080	12:37
BLANK TEST	0.000	12:38
EXTERNAL STANDARD	0.080	12:38
BLANK TEST	0.000	12:39

Average = 0.0796
 Std Dev = 0.0009



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
DATAMASTER cmt: 100411

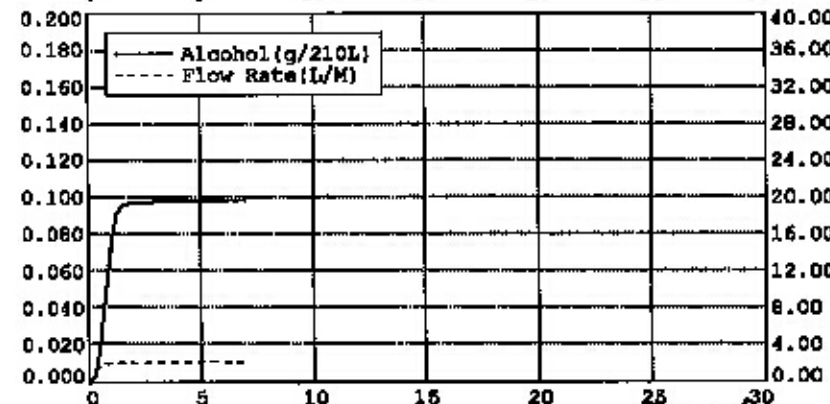
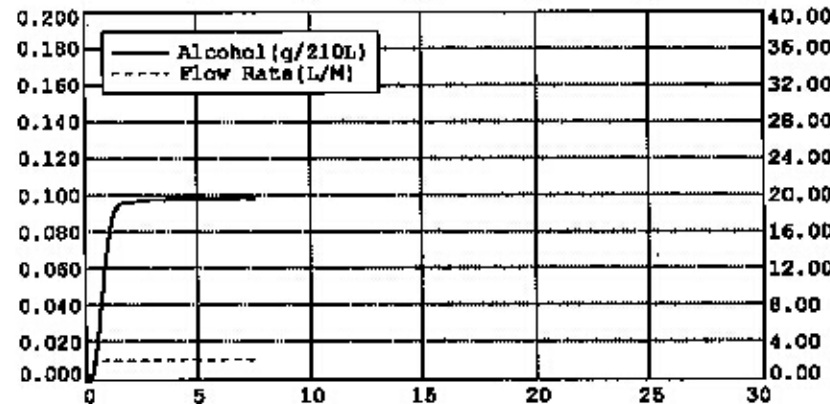
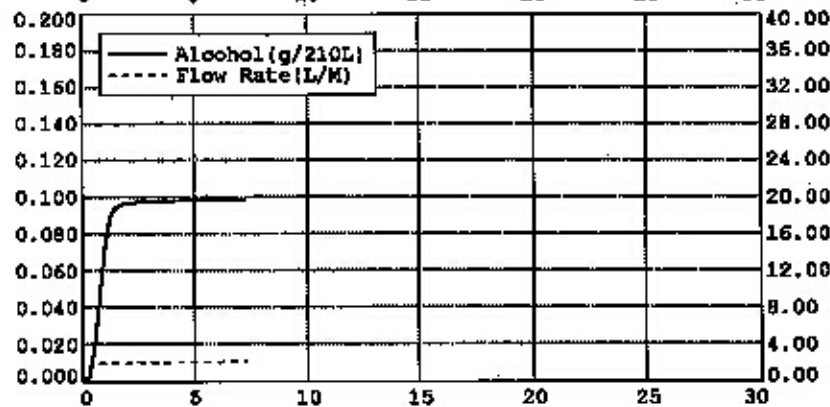
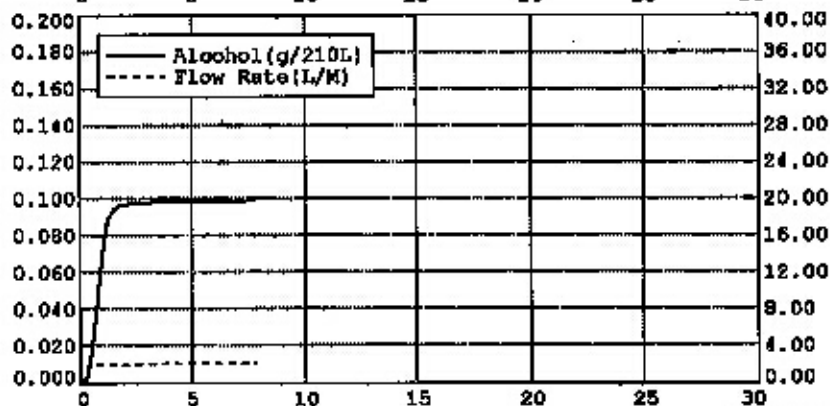
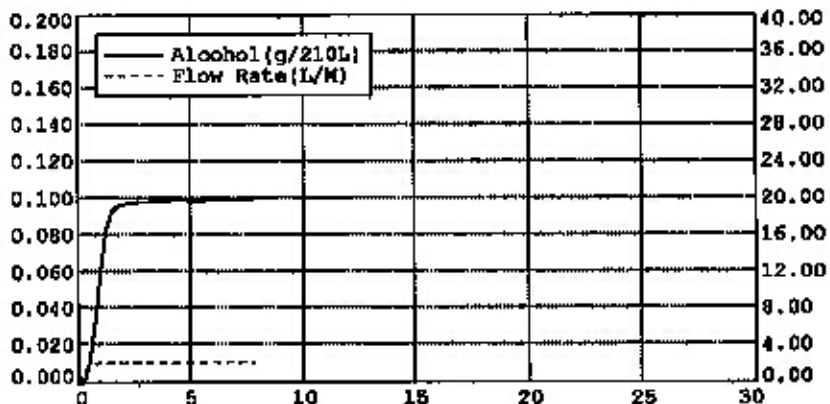
Date: 08/11/2011
Time: 12:40:17

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.95: 0.100
LOT #: 05611100A2
EXPIRATION: 03/01/2013

BLANK TEST	0.000	12:42
INTERNAL STANDARD	VERIFIED	12:42
EXTERNAL STANDARD	0.100	12:42
BLANK TEST	0.000	12:43
EXTERNAL STANDARD	0.099	12:43
BLANK TEST	0.000	12:44
EXTERNAL STANDARD	0.099	12:44
BLANK TEST	0.000	12:45
EXTERNAL STANDARD	0.099	12:46
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.099	12:47
BLANK TEST	0.000	12:48

Average = 0.0992
Std Dev = 0.0004



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dnt: 100411

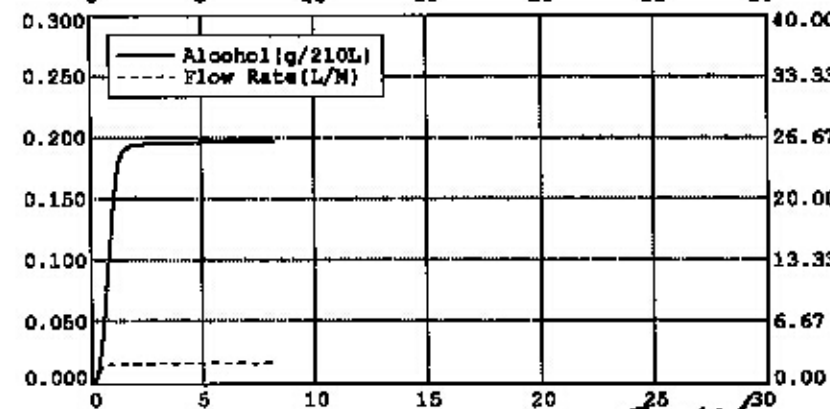
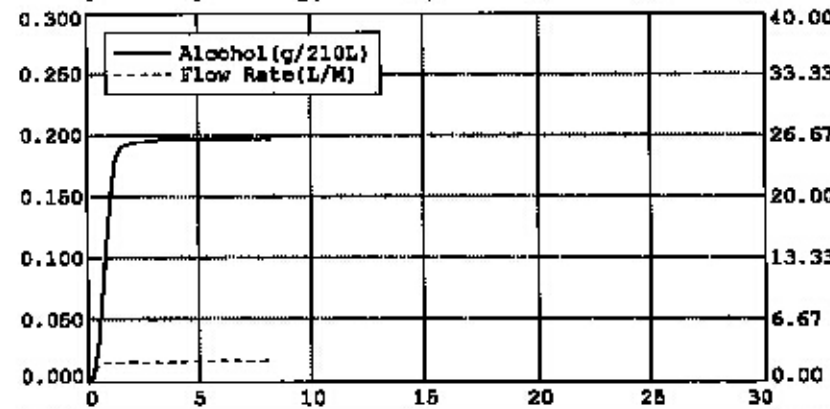
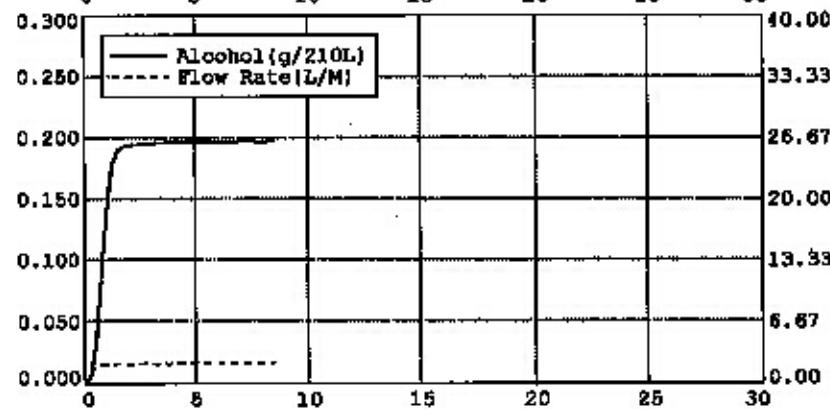
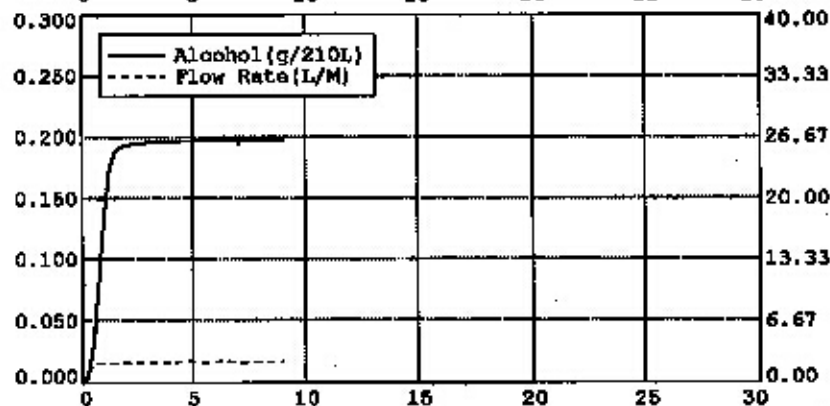
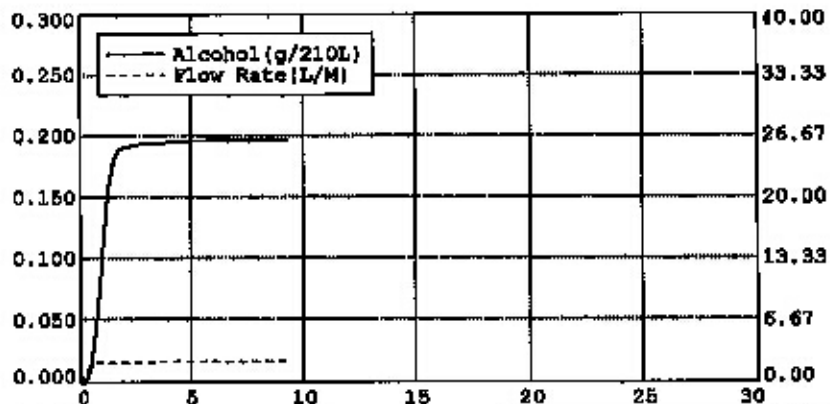
Date: 08/11/2011
 Time: 12:48:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 TARGET AT 29.94: 0.200
 LOT #: 07411200A2
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	12:50
INTERNAL STANDARD	VERIFIED	12:50
EXTERNAL STANDARD	0.197	12:51
BLANK TEST	0.000	12:51
EXTERNAL STANDARD	0.198	12:52
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.197	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.198	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.197	12:55
BLANK TEST	0.000	12:56

Average = 0.1974
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 6

Alaska Department of Public Safety
DATAMASTER dnt: 100411

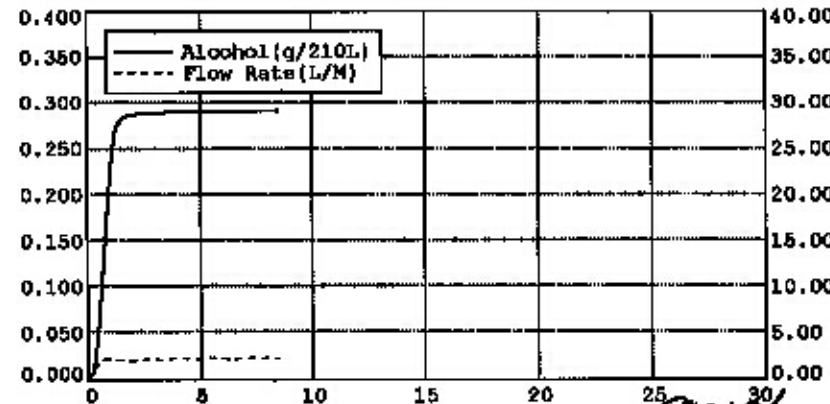
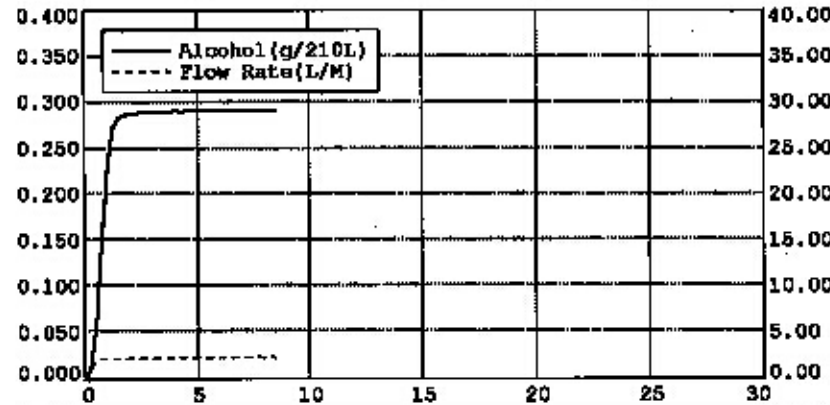
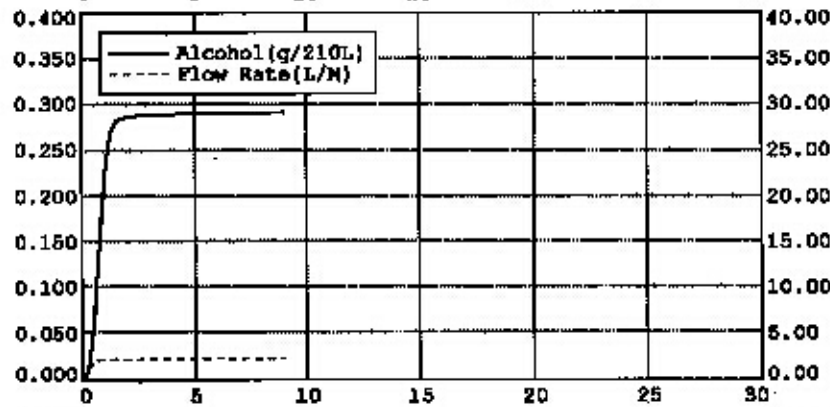
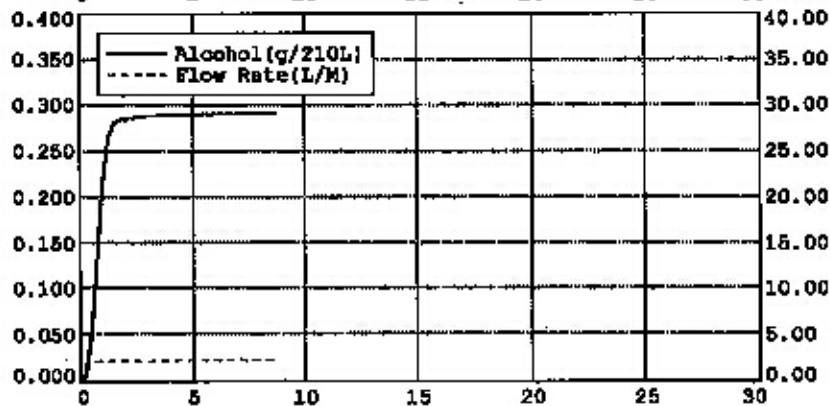
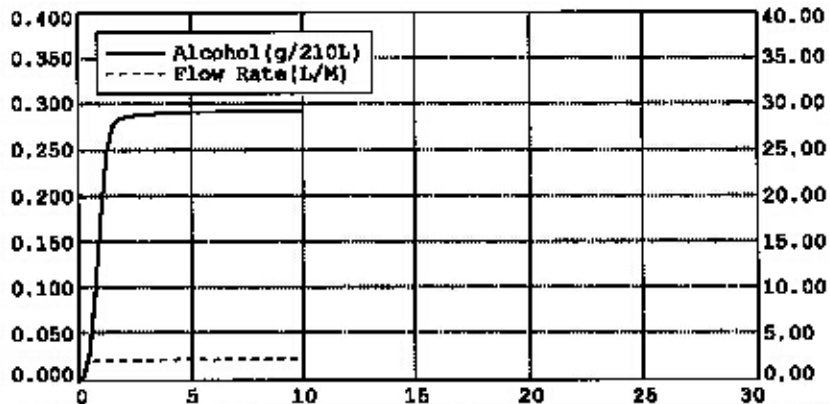
Date: 08/11/2011
Time: 12:56:53

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.94: 0.300
LOT #: 07411300A1
EXPIRATION: 03/01/2013

BLANK TEST	0.000	12:58
INTERNAL STANDARD	VERIFIED	12:58
EXTERNAL STANDARD	0.293	12:59
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.291	13:00
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.291	13:01
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.291	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.291	13:03
BLANK TEST	0.000	13:04

Average = 0.2914
Std Dev = 0.0009



Alcohol (g/210L) ----- Flow Rate (L/M)	0	10	20	30	40	50	60	70	80	90	100	110	120
40.00													
36.00													
32.00													
28.00													
24.00													
20.00													
16.00													
12.00													
8.00													
4.00													
0.00													

SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER chrt: 100411

Date: 08/11/2011
 Time: 14:16:54

SUBJECT NAME:
 TEST TEST
 LICENSE #: INCOMPLETE

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

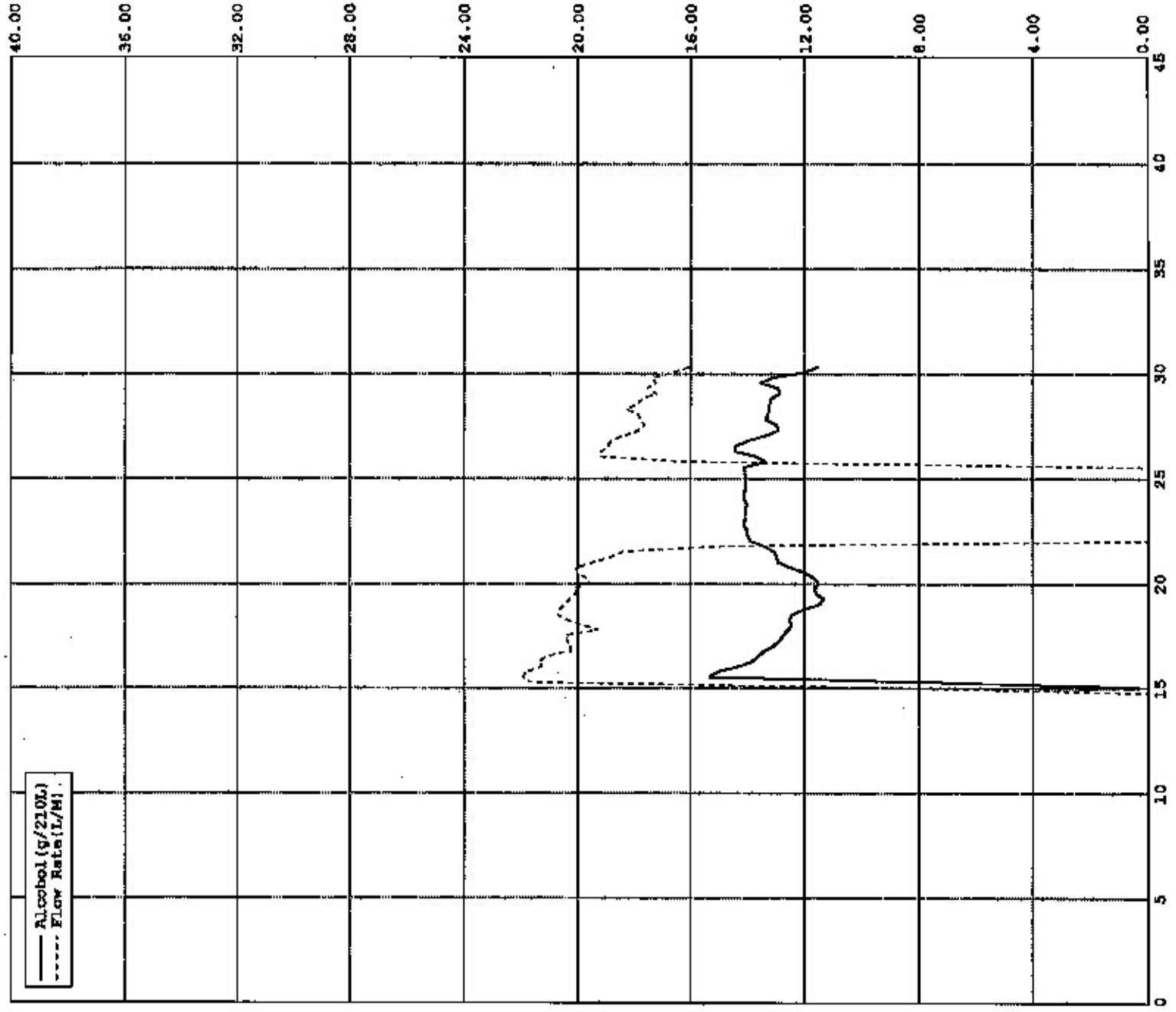
DEPT/AGENCY:
 AAA1

CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.93: 0.080
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	14:18
BLANK TEST	0.000	14:18
INTERNAL STANDARD	VERIFIED	14:18
EXTERNAL STANDARD	0.079	14:18
BLANK TEST	0.000	14:19
SUBJECT SAMPLE	INCOMPLETE	14:21

COB
COB 14/19



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmt: 100411

Date: 08/11/2011
 Time: 14:43:10

SUBJECT NAME:
 TEST TEST
 LICENSE #: INVALID

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

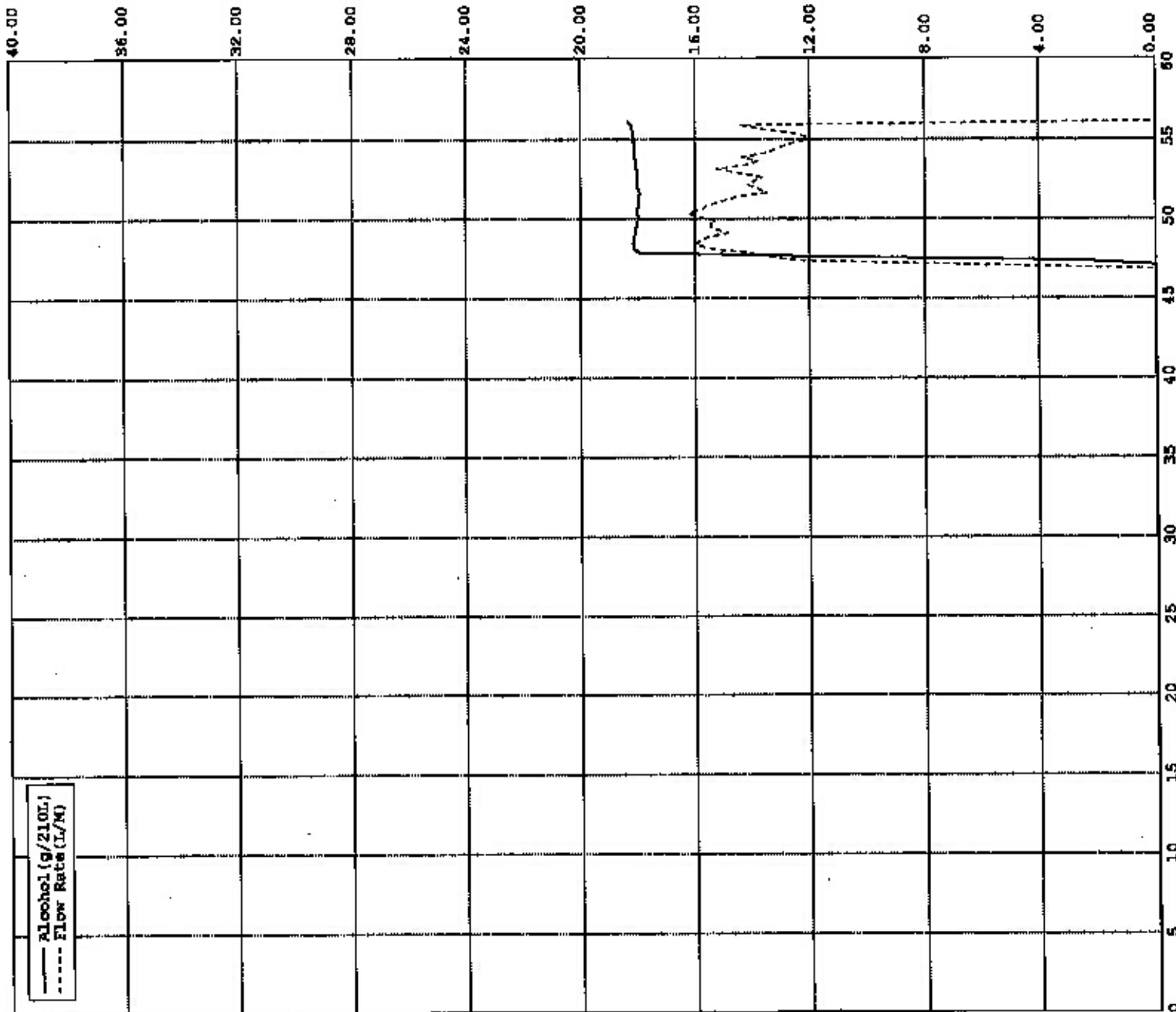
DEPT/AGENCY:
 AAAA1
 CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.92: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK PASSED 14:44
 BLANK TEST 0.000 14:44
 INTERNAL STANDARD VERIFIED 14:44
 EXTERNAL STANDARD 0.079 14:44
 BLANK TEST 0.000 14:45
 SUBJECT SAMPLE Invalid 14:46

CS

08/15/11



SUBJECT TEST

Alaska Department of Public Safety
 DAYMASTER dmc: 100411

Date: 08/11/2011
 Time: 15:28:41

SUBJECT NAME:
TEST TEST
LICENSE #: INTF-ACETONE

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

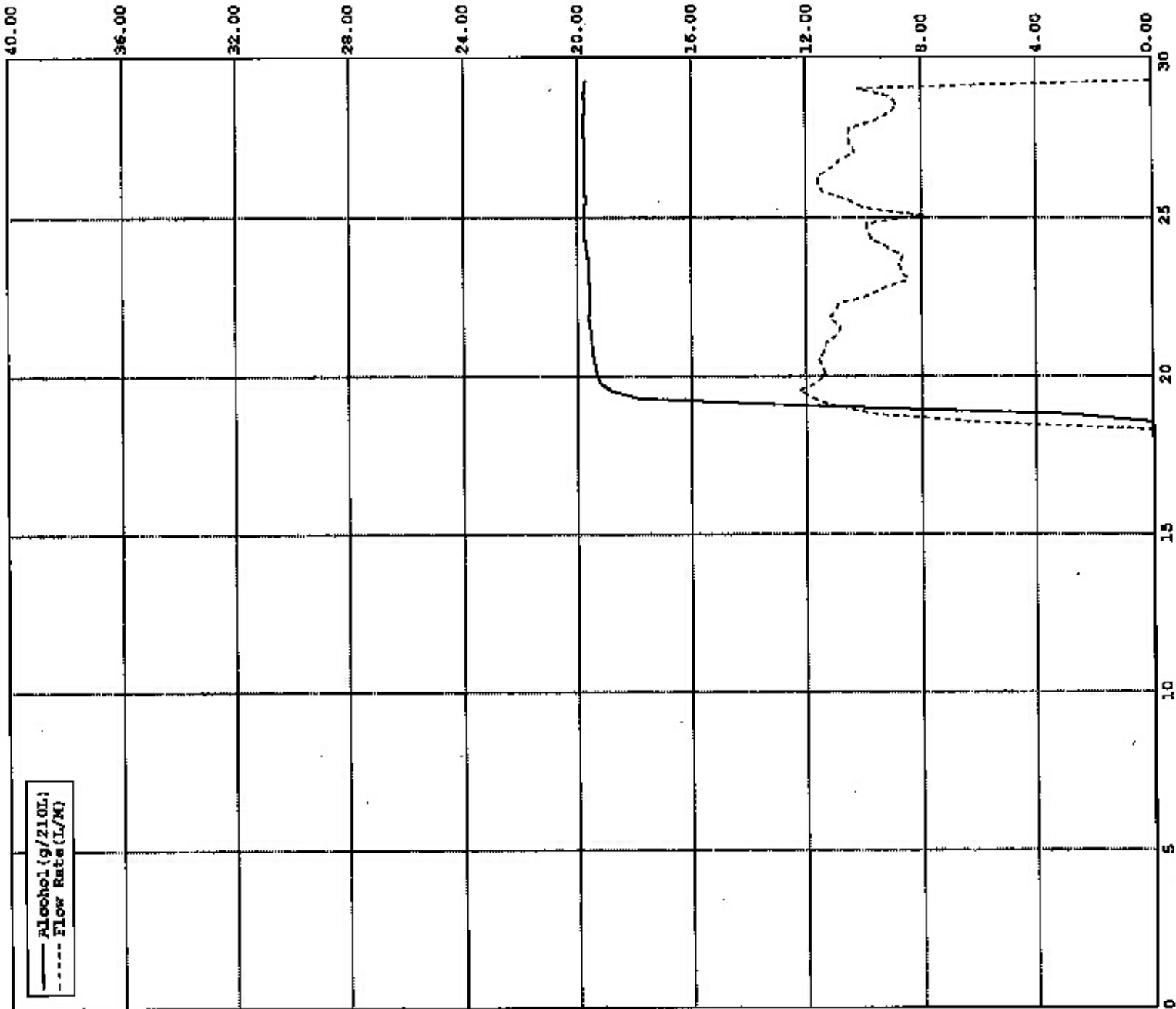
DEPT/AGENCY:
 AAAA

CASE/REPORT: 11-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.91: 0.079
 LOT #: 3360980A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK	PASSED	15:29
BLANK TEST	0.000	15:29
INTERNAL STANDARD	VERIFIED	15:30
EXTERNAL STANDARD	0.080	15:30
BLANK TEST	0.000	15:31
SUBJECT SAMPLE	INTERFERENCE	15:32

COB
 COB 8/19



SUBJECT TEST

Alaska Department of Public Safety
 DATA MASTER dmm: 100411

Date: 08/11/2011
 Time: 15:34:46

SUBJECT NAME:
 TEST TEST
 LICENSE #: INTF-ISOR

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 29.90: 0.079
 ILOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK PASSED 15:35
 BLANK TEST 0.000 15:35
 INTERNAL STANDARD VERIFIED 15:36
 EXTERNAL STANDARD 0.079 15:36
 BLANK TEST 0.000 15:37
 SUBJECT SAMPLE INTERFERENCE 15:37

CSB

08/17/19

Alcohol (g/210L) Flow Rate (L/H)	0	5	10	15	20	25	30	35	40	45
40.00										
36.00										
32.00										
28.00										
24.00										
20.00										
16.00										
12.00										
8.00										
4.00										
0.00										

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

SUBJECT TEST

Alaska Department of Public Safety
 DATANUMBER dmt: 100411

Date: 08/11/2011
 Time: 15:18:45

SUBJECT NAME:
 TEST TEST
 LICENSE #: RPT

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

DEPT/AGENCY:
 AAA1

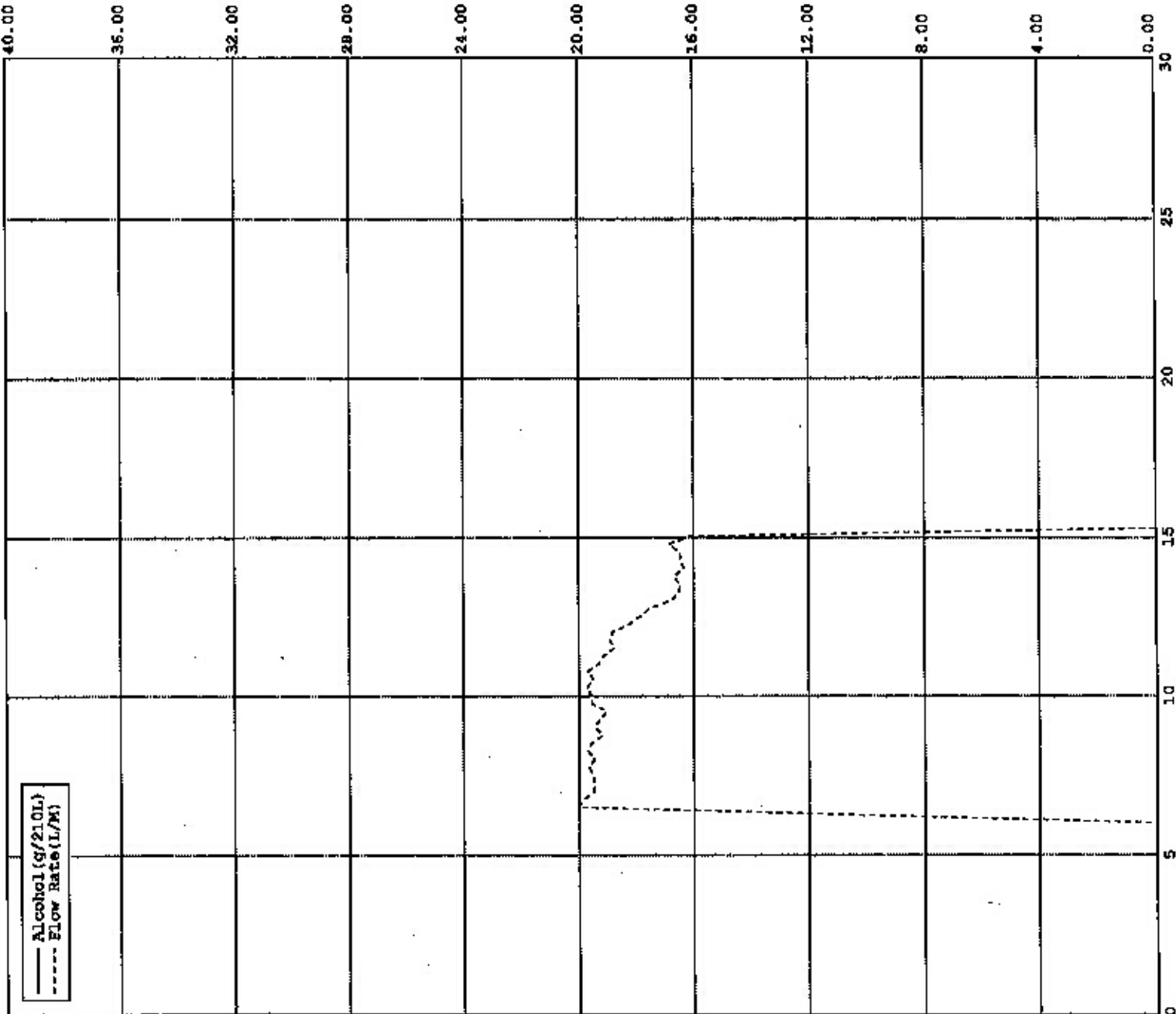
CASE/REPORT: 11-1234
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.91: 0.079
 LOT #: 3360980A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK PASSED 15:19
 BLANK TEST 0.000 15:20
 INTERNAL STANDARD VERIFIED 15:20
 EXTERNAL STANDARD 0.080 15:20
 BLANK TEST 0.000 15:21

RFI Detected

08/18/19



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

SUBJECT TEST
 Alaska Department of Public Safety
 DEMONSTRATOR dmt: 100411
 Date: 08/11/2011
 Time: 15:42:21

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

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

DEPT/AGENCY:
 AAAA1

CASE/REPORT: 11-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.91: 0.079
 LOT #: 33609080A1
 EXPIRATION: 01/01/2012

DIAGNOSTIC CHECK PASSED 15:43
 BLANK TEST 0.000 15:43
INTERNAL STANDARD VERIFIED 15:43
 EXTERNAL STANDARD 0.079 15:44
 BLANK TEST 0.000 15:45
 SUBJECT SAMPLE 0.000 15:45
 BLANK TEST 0.080 15:46
 EXTERNAL STANDARD 0.000 15:47
 BLANK TEST

COB
 COB 19/19

Final page for report

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2/18/2014