

Alaska Scientific Crime Detection Laboratory

DataMaster Certification Form

Issued: 04/04/2012
Effective: 04/04/2012

Version: DMCEF2012 R1
Status: Active

Instrument S/N 100688 Analyst CRF Start Date 4/27/12
Diagnostic Test (attached)

1. Voltage Checks

a. Adjust voltages, if needed

i. Lamp (2.6V Maximum)

ii. Bias (80V)

iii. Cooler (2.0V Maximum)

iv. Chopper Frequency

v. Detector Voltage (-0.100V to 0.100V)

b. Set RFI c. Adjust barometer reading to match NIST traceable barometer d. Adjust volume setting, if needed (1.5L +/- 0.1L)

e. Print Technician Screen (attached)

2. Print Calibration Factors (attached)

3. Volume Test - Minimum 1500 mL (1.3L to 1.7L)

4. Linearity Test (attached)

a. Levels Used i. 0.020g/210L Mnf ILMO Lot 07611020A5 Exp 3/1/13ii. 0.040g/210L Mnf ILMO Lot 07611040A4 Exp 3/1/13iii. 0.080g/210L Mnf ILMO Lot 07012090A1 Exp 3/1/14iv. 0.100g/210L Mnf ILMO Lot 07611100A3 Exp 3/1/13v. 0.200g/210L Mnf Guth Lot 11120 Exp 7/19/13i. Simulator S/N SD1176 Date Calibrated 8/17/14vi. 0.300g/210L Mnf Guth Lot 11110 Exp 7/13/13i. Simulator S/N DR4176 Date Calibrated 2/21/12

5. Functional Tests (attached)

a. Incomplete b. Invalid c. Interference i. Acetone - Mnf Guth Lot 11200 Level 0.080 Exp 10/11/13i. Simulator S/N SD1199 Date Calibrated 1/11/12ii. Isopropanol - Mnf Guth Lot 10280 Level 0.080 Exp 11/17/12i. Simulator S/N DRC267 Date Calibrated 1/10/12iii. Negative Control - Mnf Guth Lot 11250 Level 0.100 Exp 12/6/13i. Simulator S/N SD1202 Date Calibrated 8/17/11d. RFI 6. Verify stylus is calibrated 10. Verification of Calibration 7. Verify card reader is functional 11. Non-Drinking Subject Test (attached) 8. Reset Options 12. Upload 9. Clear Memory 13. Update agency information and polling status in DM Host Calling Program N/AEnd Date 4/30/12

Page 1 of 1

All printed copies are uncontrolled.

Approved by Forensic Alcohol Supervisor WF

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dnt: 100688

Date: 04/27/2012
Time: 10:57:55

VERSIONS
DMC: 2.03
PIC: 3.03
Modem: 2.3
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
Breath Tube = 48.1°C	PASSED

PUMP INFO
Flow Rate = 4.188 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

2/19 WF

Technician Screen

DACMASTER chnt: 100688

Date: 04/27/2012
Time: 11:44 AM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 48.6°C

Current Barometer 29.5 in
Volume (Lts) 1.43

Settings

Lamp: 1.81 V
Bias: 81 V
Cooler: 1.81 V
Chopper: 541 Hz

Voltagess (V)

Flow: 1.03 V
Detector: -0.004 V

3/19
WF

CALIBRATION FACTORS

Alaska Department of Public Safety
DACAMASTER Gmt: 100688

Date: 11/01/2011
Time: 09:10:29

Ca	=	0.1000			
CAL	=	0.974947	0.800	<=	CAL < 1.200
b1	=	0.0007	0.0000	<=	b1 < 0.0040
b2	=	0.0044	0.0010	<=	b2 < 0.0100
b3	=	0.0006	0.0000	<=	b3 < 0.0020
Xq	=	0.0918	0.0500	<=	Xq < 0.2000
a21	=	1.147537	1.050	<=	a21 < 1.300
a31	=	0.513077	0.300	<=	a31 < 0.800

4/19
LF

SUBJECT TEST

Alaska Department of Public Safety
 DATABASE NUMBER: 100688

Date: 04/27/2012
 Time: 13:23:06

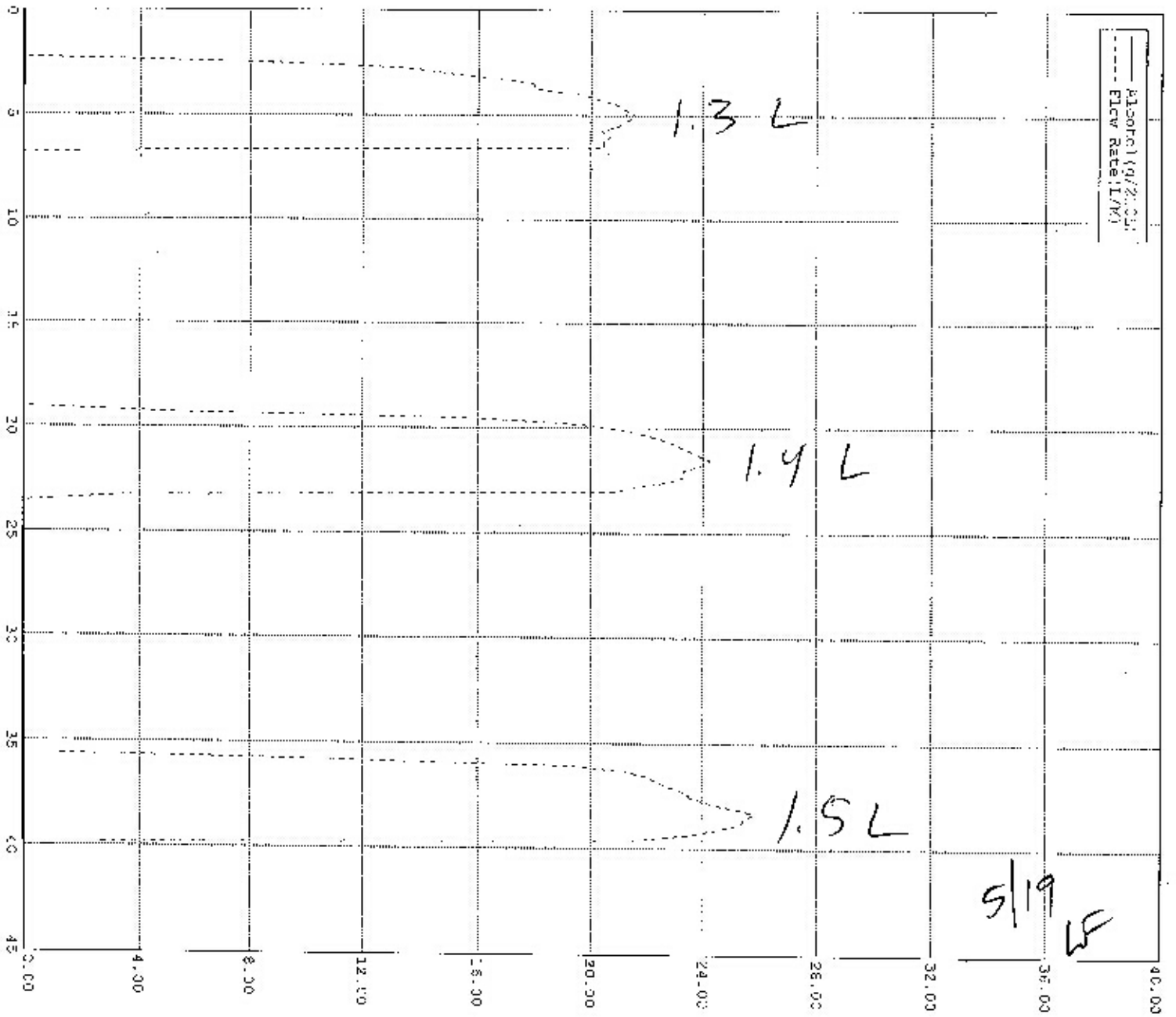
SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 MINIMUM VOLUME
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASR/REPORT: XXXX
 TEST TYPE: 1-SSC

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.52: 0.078
 LOT #: 02012080A1
 EXPIRATION: 03/31/2014

DIAGNOSTIC CHECK	EMBED	13:24
BLANK TEST	0.000	13:24
INTERNAL STANDARD	VERIFIED	13:24
INTERNAL STANDARD	0.077	13:24
BLANK TEST	0.000	13:25
SUBJECT SAMPLE	0.000	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.078	13:27
BLANK TEST	0.000	13:28



LINEARITY CHECK

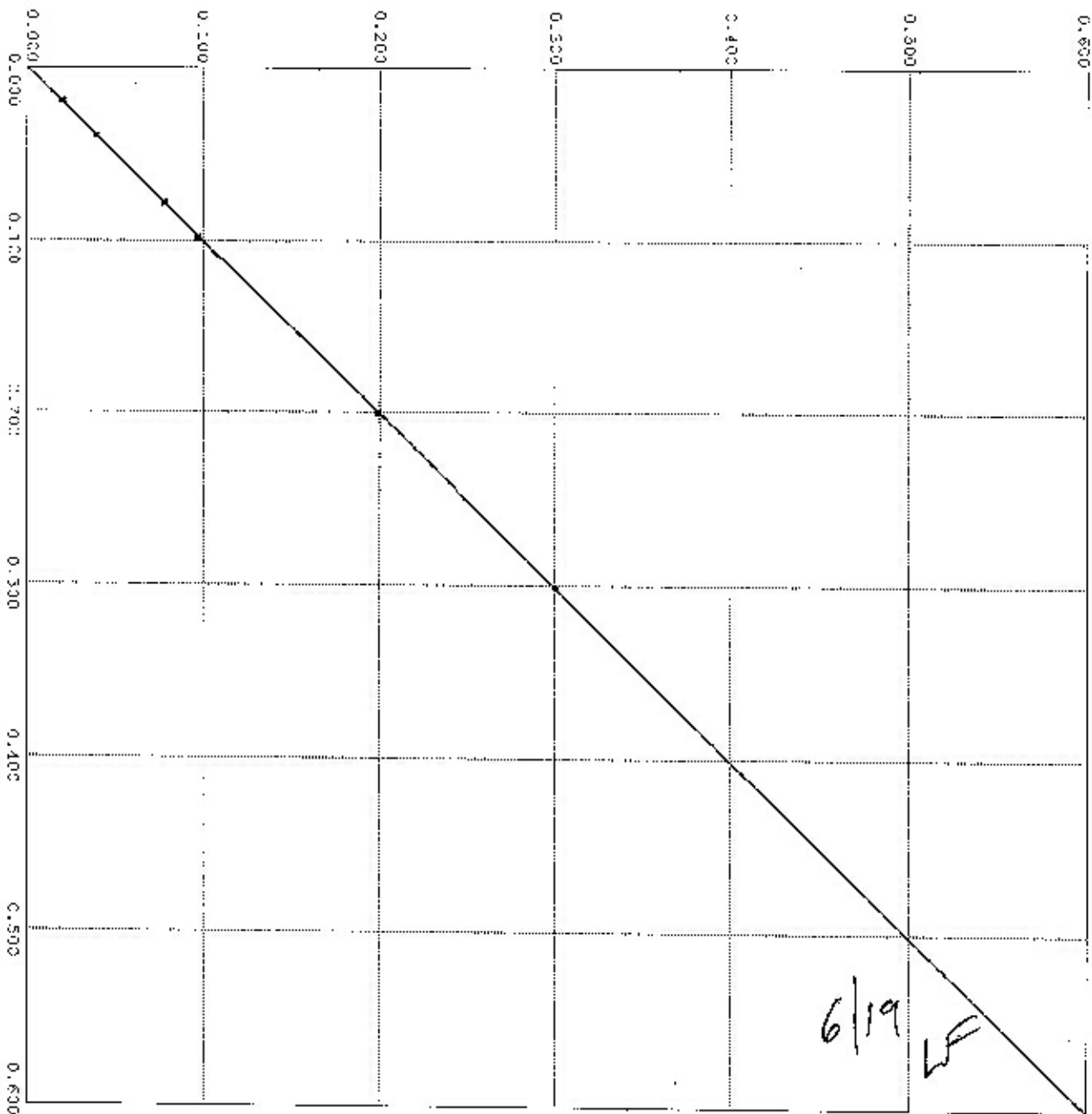
Alaska Department of Public Safety
 DEPARTMENT dmt: 100668

Date: 04/27/2012
 Time: 13:53:04

SUPPLIERS NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
1.015	0.0234	0.0003
1.039	0.0394	0.0002
0.078	0.0783	0.0004
0.098	0.0978	0.0002
0.200	0.2001	0.0013
0.300	0.3005	0.0005

SLQRT = 0.558437
 R^2 = 0.999978



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dnt: 100688

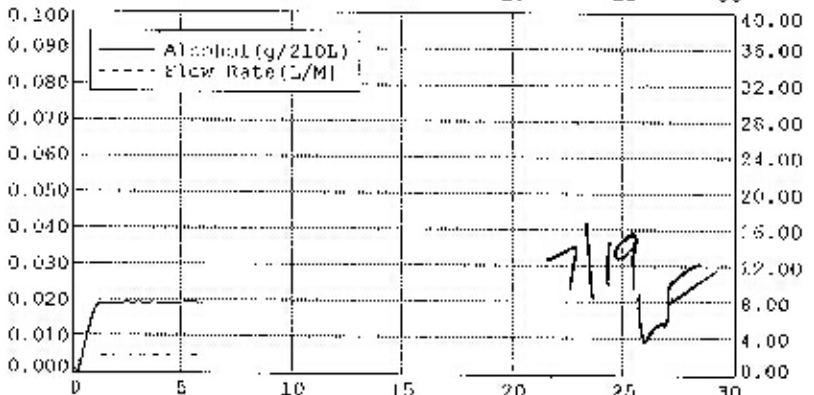
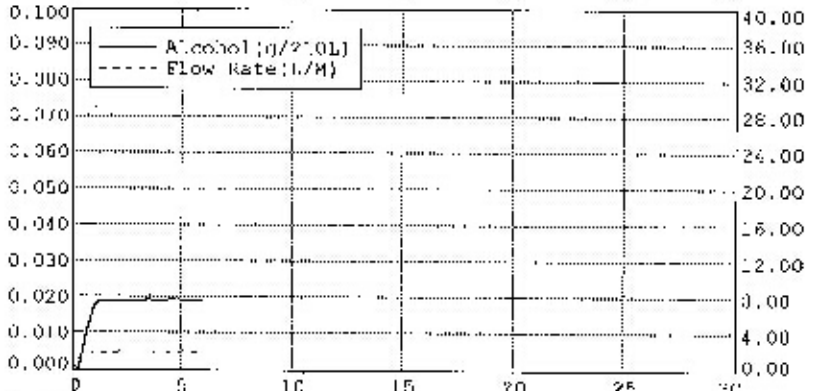
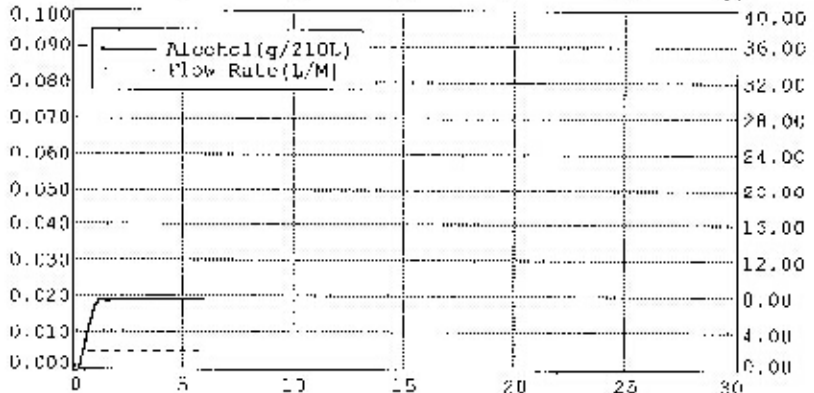
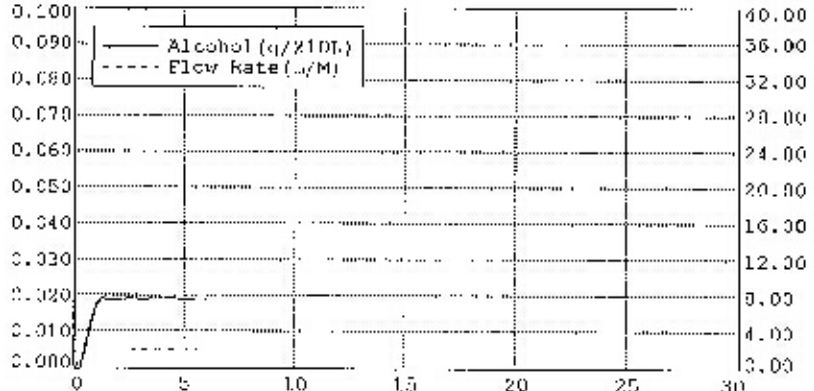
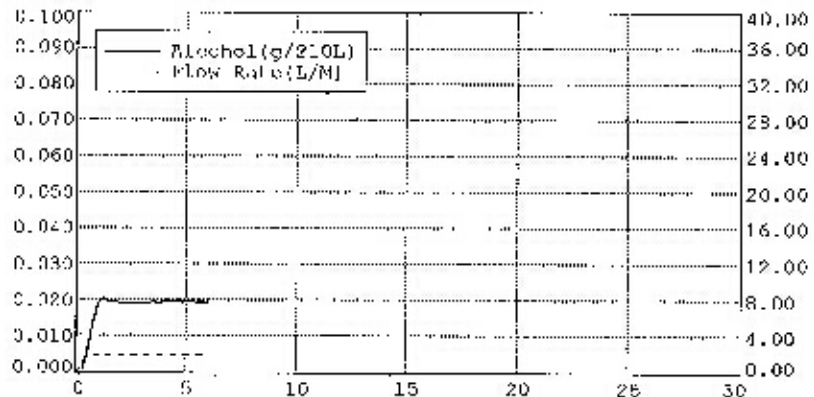
Date: 04/27/2012
 Time: 13:53:05

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.53: 0.319
 LOT #: 07611020A5
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	13:54
INTERNAL STANDARD	VMRIFIED	13:54
EXTERNAL STANDARD	0.020	13:54
BLANK TEST	0.000	13:55
EXTERNAL STANDARD	0.020	13:55
BLANK TEST	0.000	13:56
EXTERNAL STANDARD	0.020	13:56
BLANK TEST	0.000	13:57
EXTERNAL STANDARD	0.020	13:57
BLANK TEST	0.000	13:58
EXTERNAL STANDARD	0.020	13:59
BLANK TEST	0.000	13:59

Average = 0.0204
 Std Dev = 0.0001



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dml: 100608

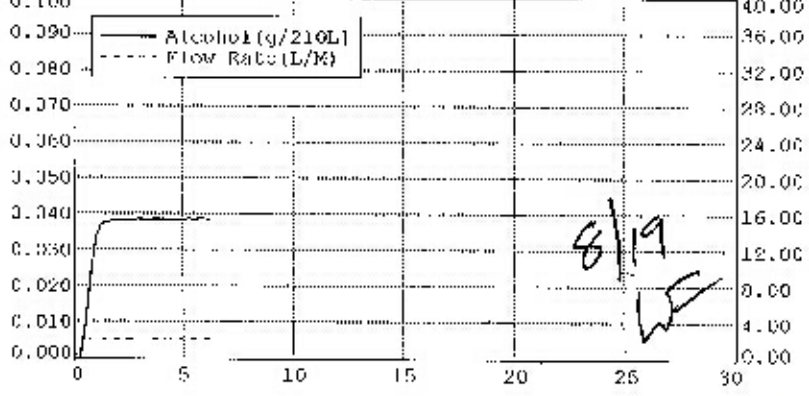
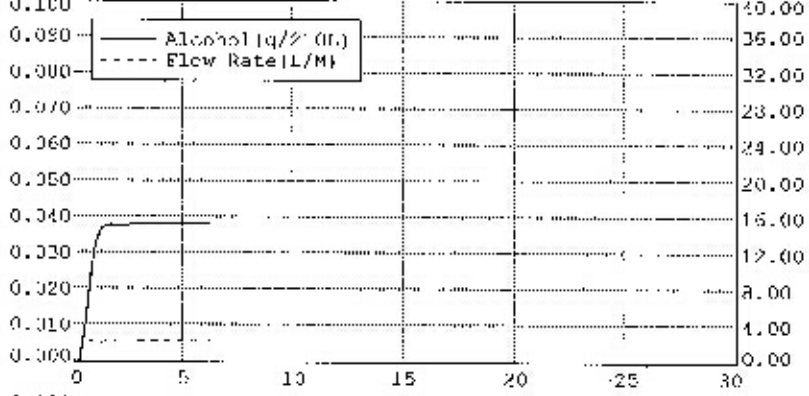
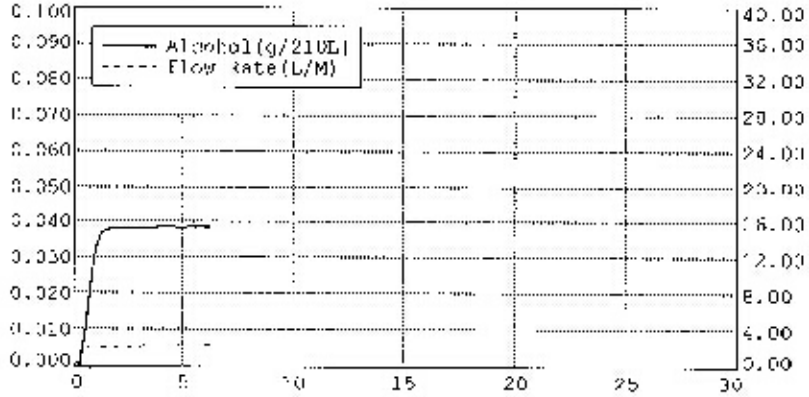
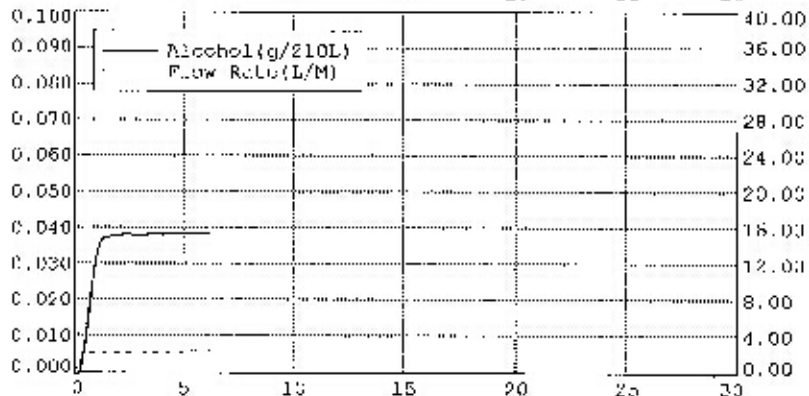
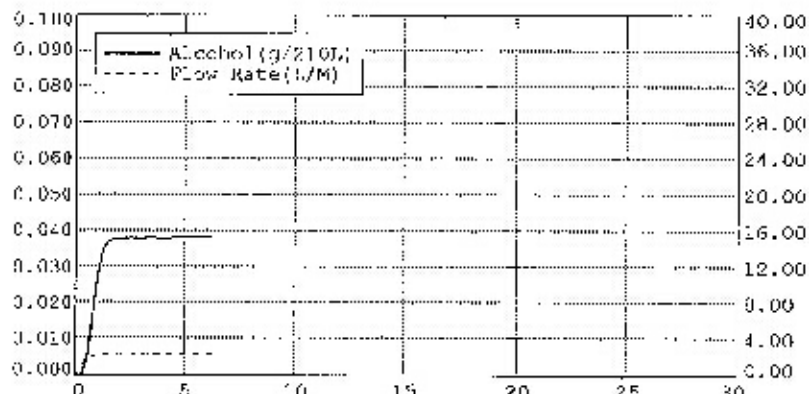
Date: 04/27/2012
 Time: 14:04:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.040
 TARGET AT 29.52: 0.039
 LOT #: 0761104CA4
 EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:05
INTERNAL STANDARD	VERIFIED	11:05
EXTERNAL STANDARD	0.039	14:05
BLANK TEST	0.000	14:06
EXTERNAL STANDARD	0.039	14:06
BLANK TEST	0.000	14:07
EXTERNAL STANDARD	0.039	14:07
BLANK TEST	0.000	14:08
EXTERNAL STANDARD	0.039	14:08
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.039	14:09
BLANK TEST	0.000	14:10

Average = 0.0394
 Std Dev = 0.0002



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATASUMMER dnt: 100688

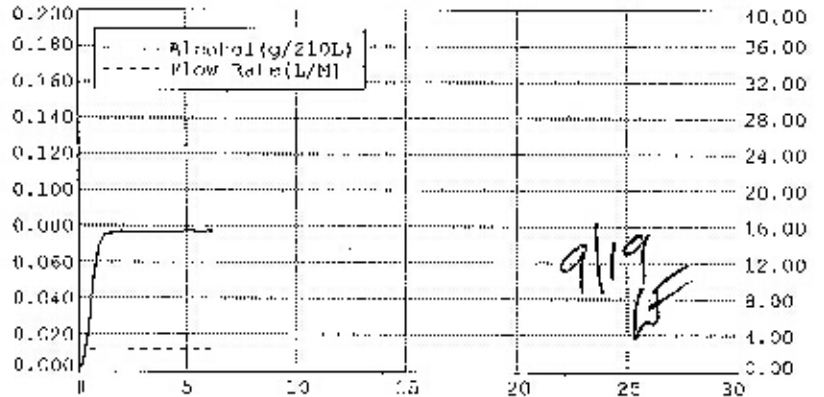
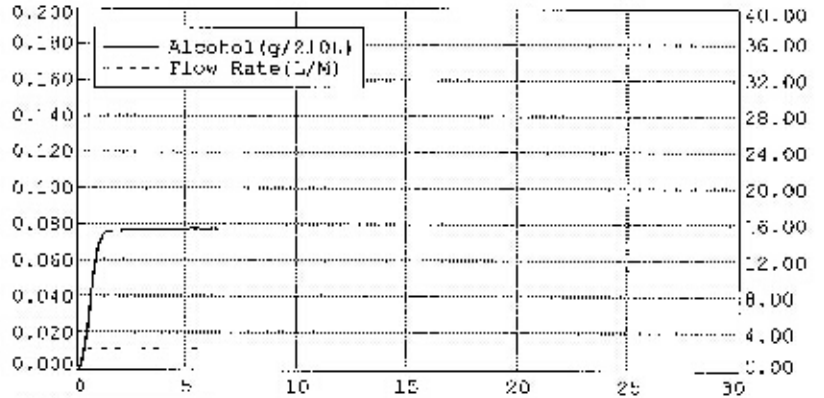
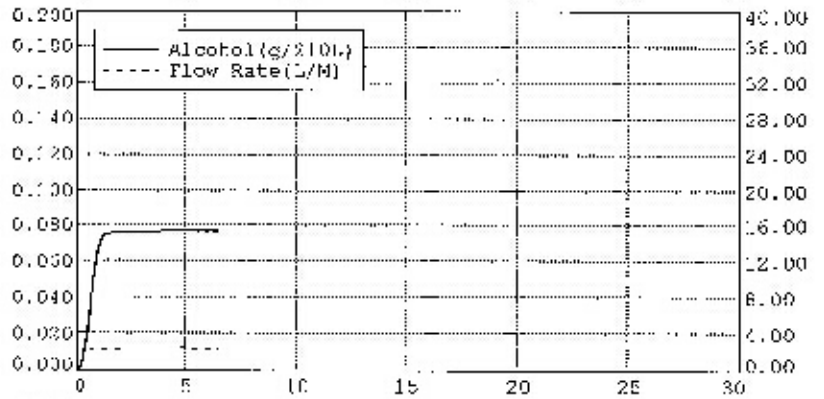
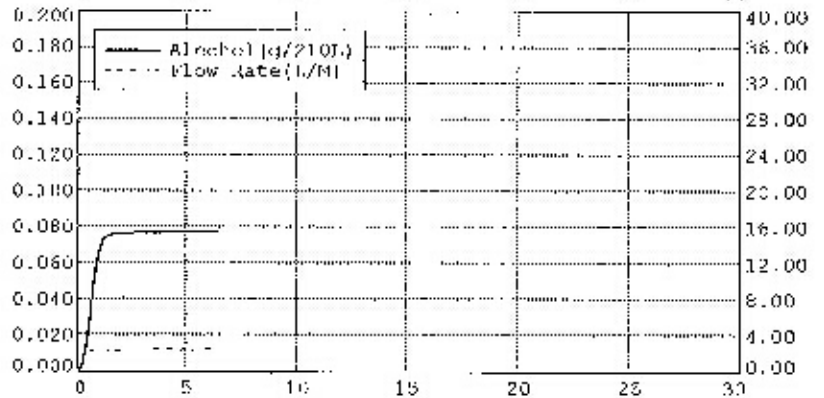
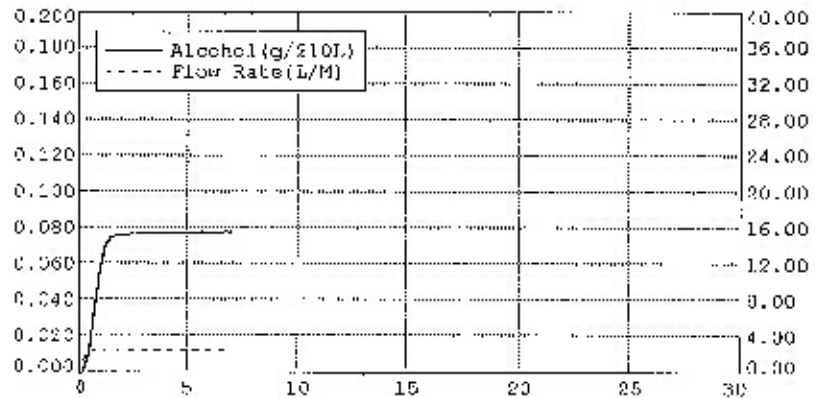
Date: 04/27/2012
 Time: 14:12:18

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.52: 0.078
 LOT #: 02012080A1
 EXPIRATION: 03/01/2014

BLANK TEST	0.000	14:13
INTERNAL STANDARD	VERIFIED	14:13
EXTERNAL STANDARD	0.078	14:13
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.078	14:14
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.077	14:15
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.078	14:17
BLANK TEST	0.000	14:17
EXTERNAL STANDARD	0.078	14:18
BLANK TEST	0.000	14:19

Average = 0.0783
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 4

Alaska Department of Public Safety
 DATAMASTER dat: 100688

Date: 04/27/2012

Time: 14:21:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100

TARGET AT 29.52: 0.098

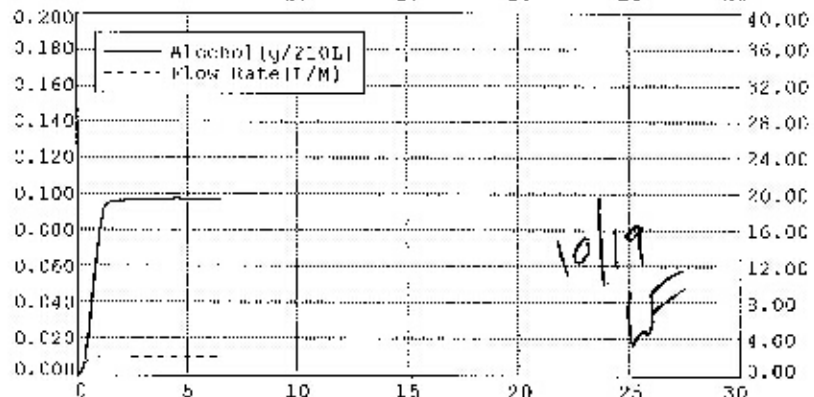
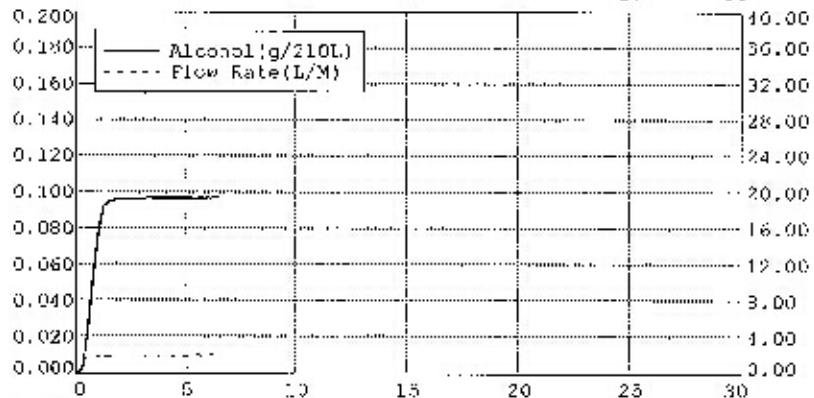
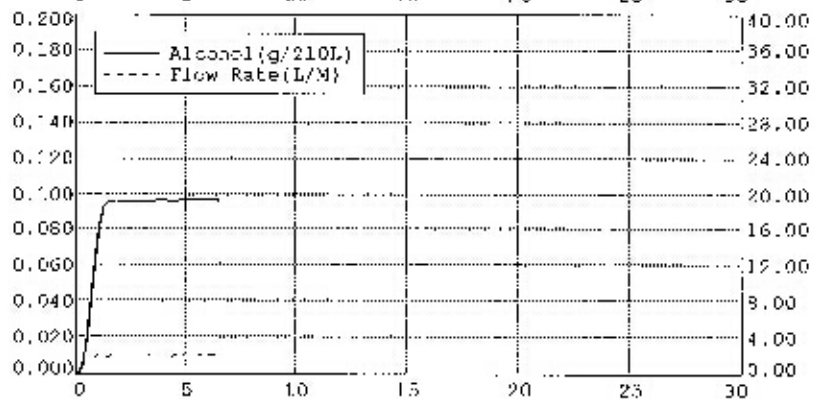
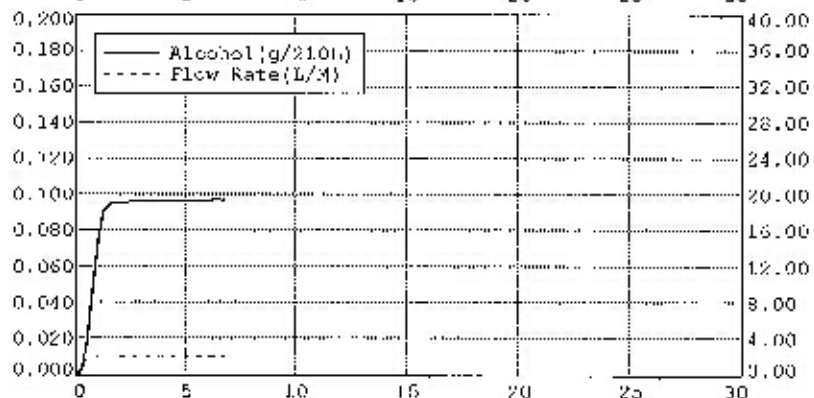
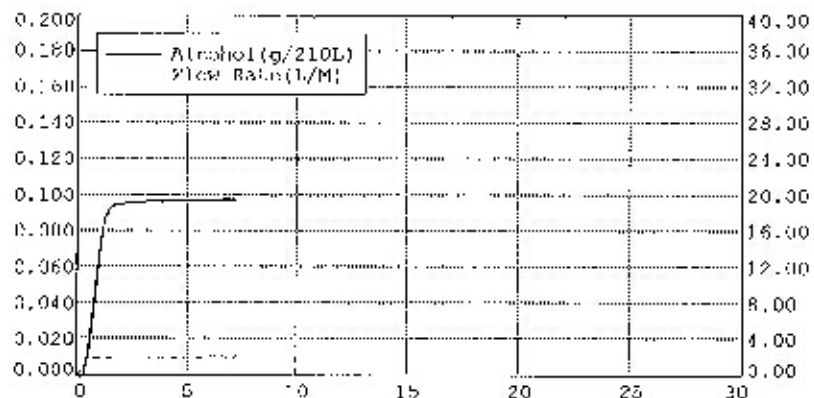
LOT #: 07611100A3

EXPIRATION: 03/01/2013

BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
EXTERNAL STANDARD	0.097	14:22
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.097	14:23
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.097	14:24
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.097	14:26
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.098	14:27
BLANK TEST	0.000	14:28

Average = 0.0978

Std Dev = 0.0002



LINEARITY CHECK: Control Test 5

Alaska Department of Public Safety
 DATAMASTER dnt: 100600

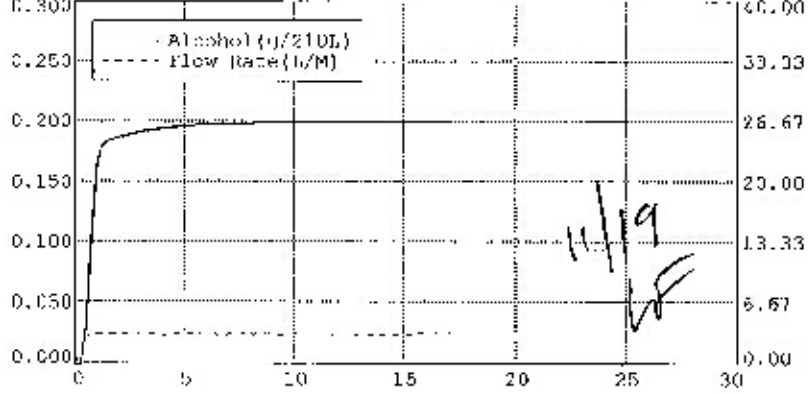
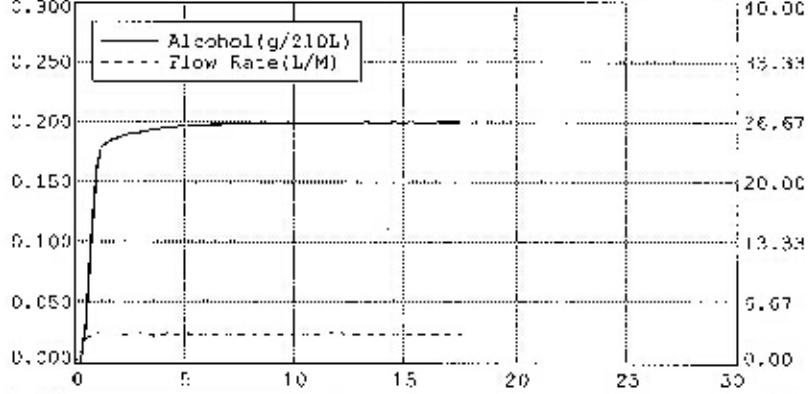
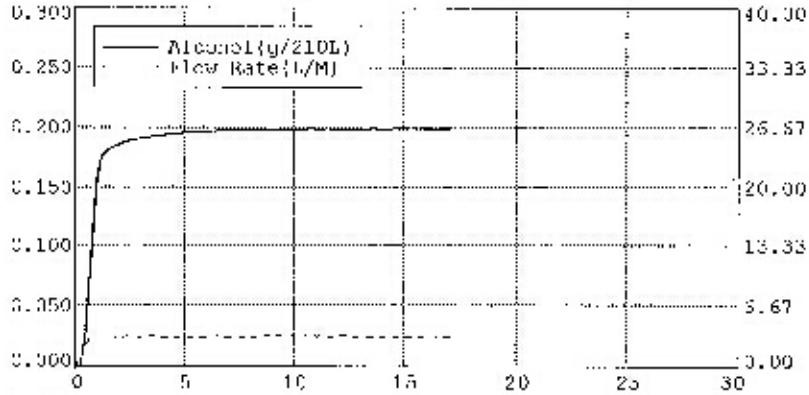
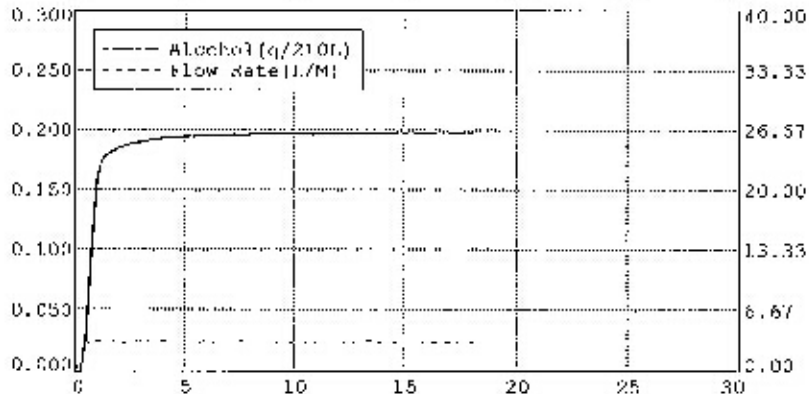
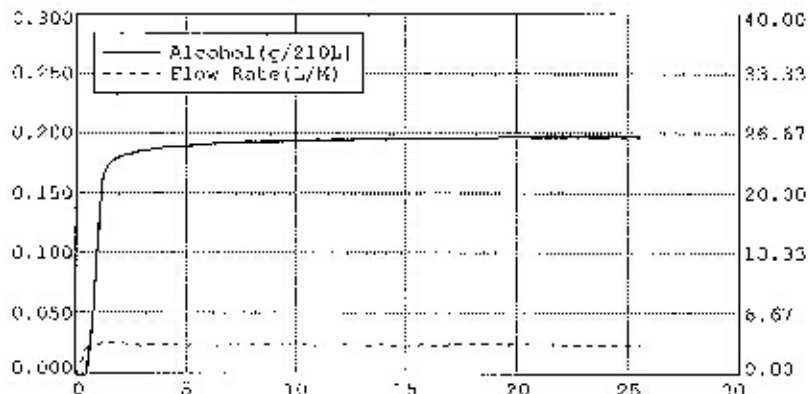
Date: 04/27/2012
 Time: 14:33:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.200
 LOT #: 11120
 EXPIRATION: 07/19/2013

BLANK TEST	0.000	14:31
INTERNAL STANDARD	UNKNOWN	14:31
EXTERNAL STANDARD	0.198	14:32
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.199	14:33
BLANK TEST	0.000	14:34
EXTERNAL STANDARD	0.200	14:34
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.201	14:36
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.201	14:37
BLANK TEST	0.000	14:38

Average = 0.2001
 Std Dev = 0.0013



LINEARITY CHECK: Control Test 6

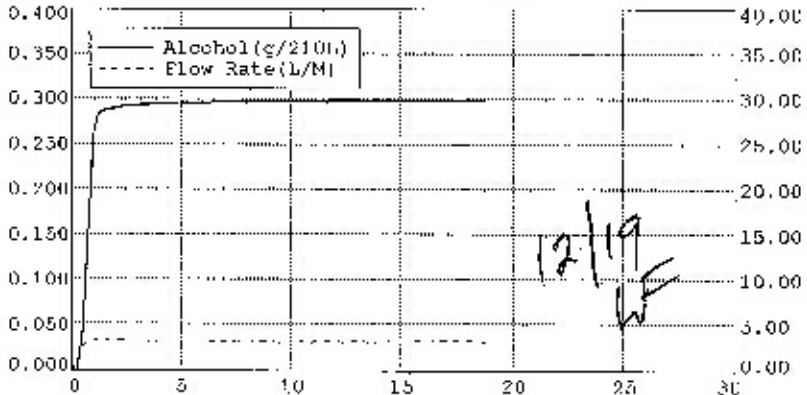
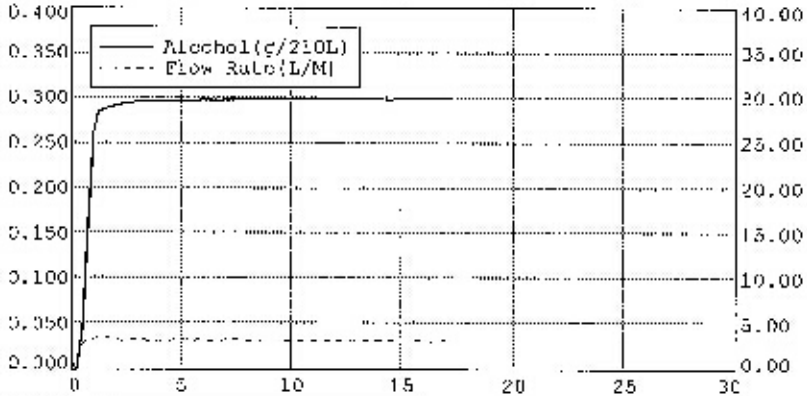
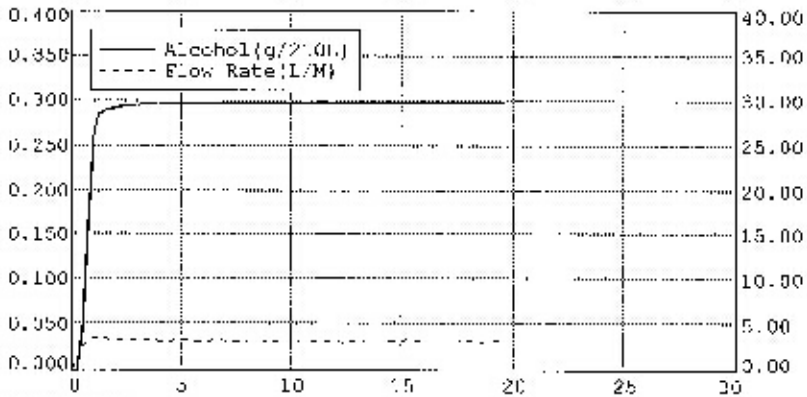
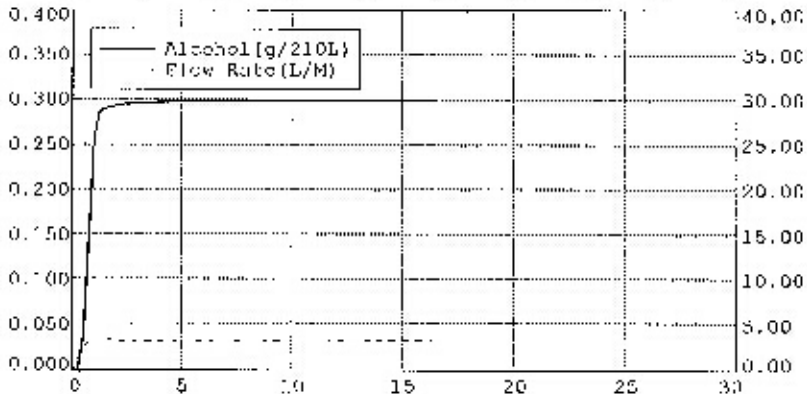
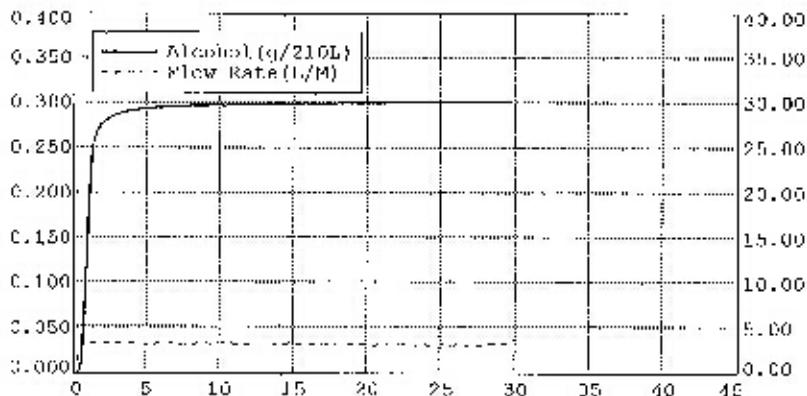
Alaska Department of Public Safety
 DATAMASTER dnt: 100688

Date: 04/27/2012
 Time: 14:42:09

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: 11110
 EXPIRATION: 07/13/2013

BLANK TEST	0.000	14:43
INTERNAL STANDARD	VERIFIED	14:43
EXTERNAL STANDARD	0.302	14:43
BLANK TEST	0.000	14:44
EXTERNAL STANDARD	0.300	14:45
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.300	14:46
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.300	14:47
BLANK TEST	0.000	14:48
EXTERNAL STANDARD	0.299	14:49
BLANK TEST	0.000	14:50

Average = 0.3005
 Std Dev = 0.0009



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY dno: 100688

Date: 04/30/2012
 Time: 08:22:12

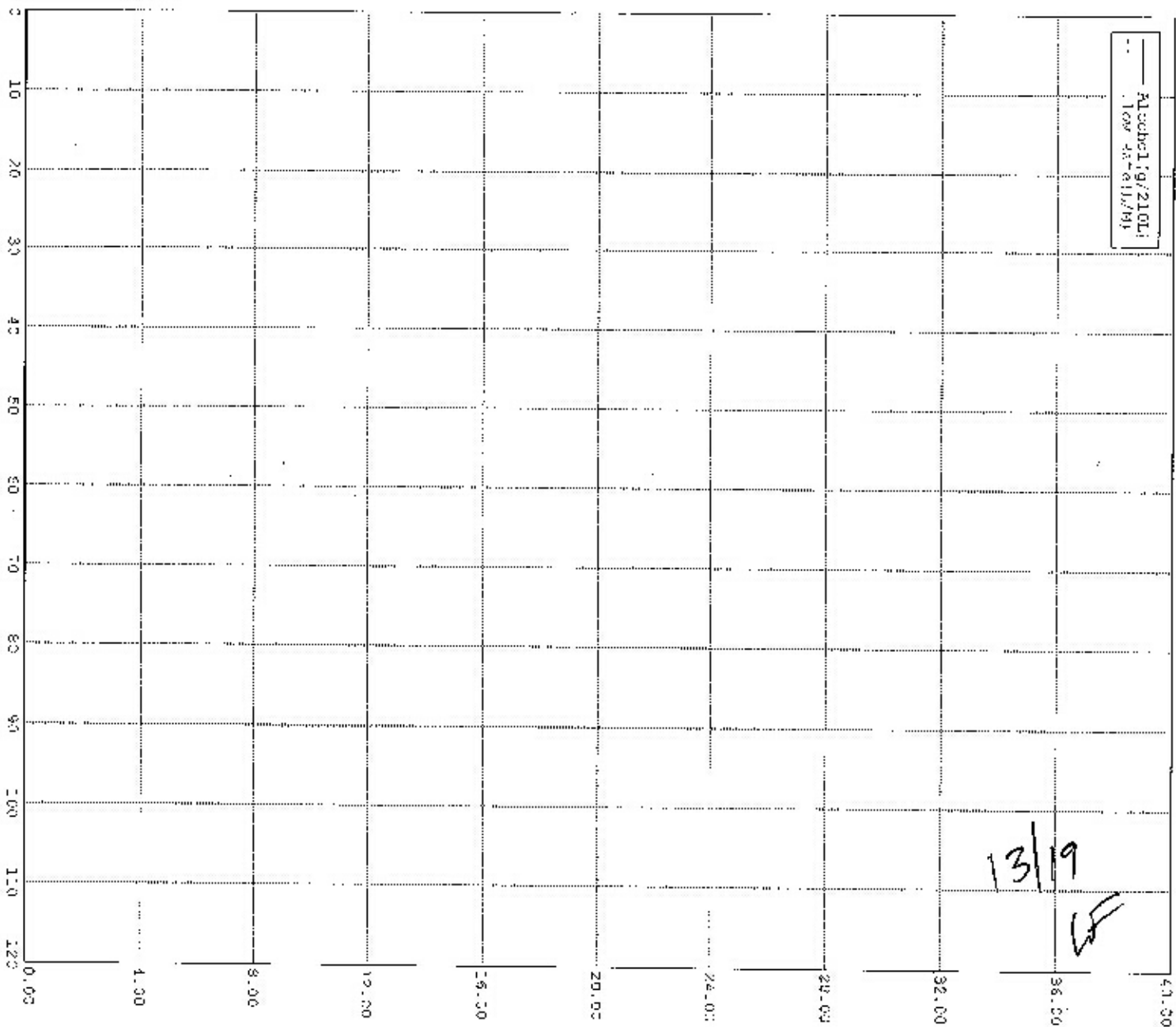
STRIBCC NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INCOMPLETE XXXX
 OPERATOR S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET NV: 29.47; 0.078
 LOT #: 02012080A1
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	08:26
BLANK TEST	0.000	08:27
INTERNAL STANDARD	VERIFIED	08:27
EXTERNAL STANDARD	0.078	08:27
BLANK TEST	C.000	08:28
SUBJECT SAMPLE	INCOMPLETE	08:30



SUBJECT TEST

Alaska Department of Public Safety
 DIAGNOSTIC LAB: 100688

Date: 04/30/2012
 Time: 09:28:10

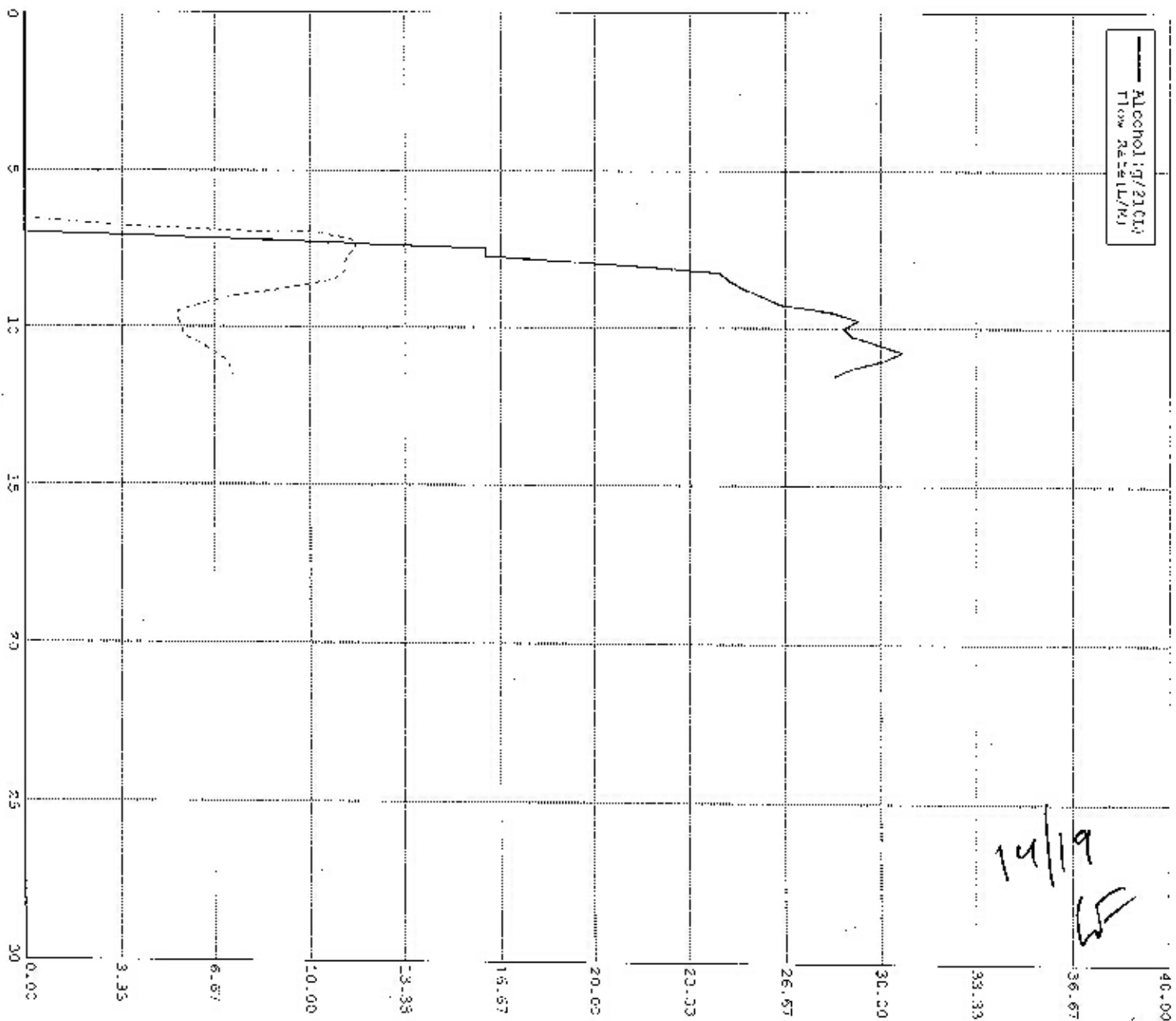
SUBJECT NAME:
 TEST TYPE:
 LICENSE #: XXXX

OPERATOR NAME:
 INVALID MOUTH STOK
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 RANGE AT 29.46: 0.078
 LOT #: 0201208021
 EXPIRATION: 03/31/2014

DIAGNOSTIC CHECK	PASSED	09:34
BLANK TEST	0.000	09:34
INTERNAL STANDARD	VERIFIED	09:34
EXTERNAL STANDARD	0.078	09:34
BLANK TEST	0.000	09:35
SUBJECT SAMPLE	INVALID	09:36



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER cmt: 100688

Date: 04/30/2012
 Time: 11:13:51

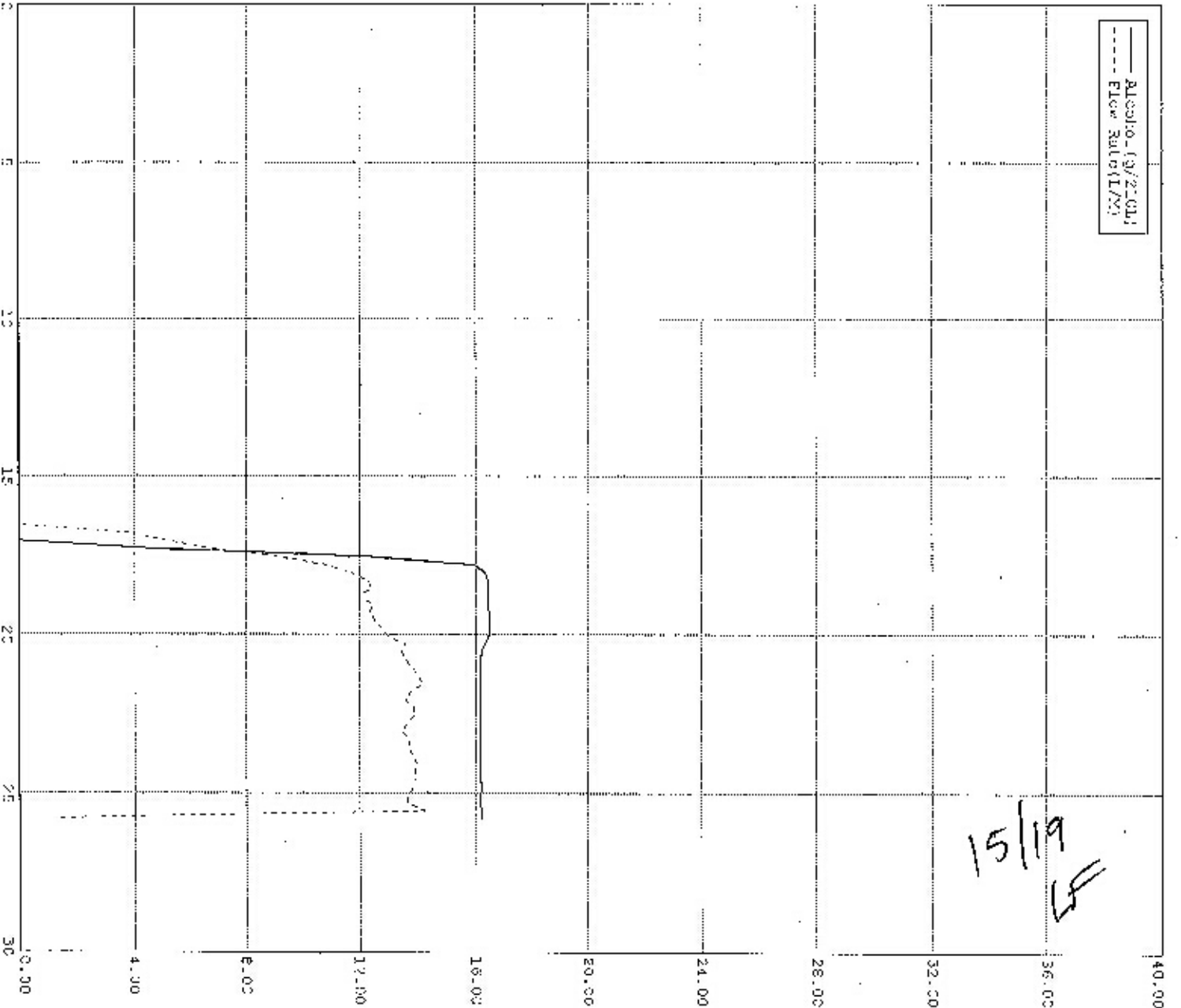
SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INTERPRET FIVE AND ACETONE
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.083
 TARGET AT 29.46: 0.078
 LOT #: 02012080A-
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	10:15
BLANK TEST	0.000	10:15
INTERNAL STANDARD	VERIFIED	10:15
Xy 0.095 (0.286)		
EXTERNAL STANDARD	0.077	10:15
X11 = 0.0778 (0.0009) (0.0030)		
BLANK TEST	0.000	10:16
SUBJECT SAMPLE	INTERFERENCE	10:16
X11 = 0.0818 (-0.0099) (0.0033)		



SUBJECT TEST

Alaska Department of Public Safety
 CANTAMSTER dnt: 100688

Date: 04/30/2012
 Time: 11:01:41

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 INTERPRETATION FROM AND IPA
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOCTUAL: 0.030
 BARREST AV: 29.46; 0.078
 LOT #: 0201208DA;
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	11:03
BLANK TEST	0.000	11:03
INTERNAL STANDARD	VERIFIED	11:03
Xq = 0.095 (0.03%)		
EXTERNAL STANDARD	2.078	11:04
X[1] = 0.0784 (0.0004)	0.0024;	
BLANK TEST	0.000	11:05
SUBJECT SAMPLE	INTERFERENCE	11:05
X[1] = 0.0525 (-0.0212)	(0.0018)	



SUBJECT TEST

Alaska Department of Public Safety
 LABORATORY UNIT: 100688

Date: 04/30/2012
 Time: 11:16:35

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

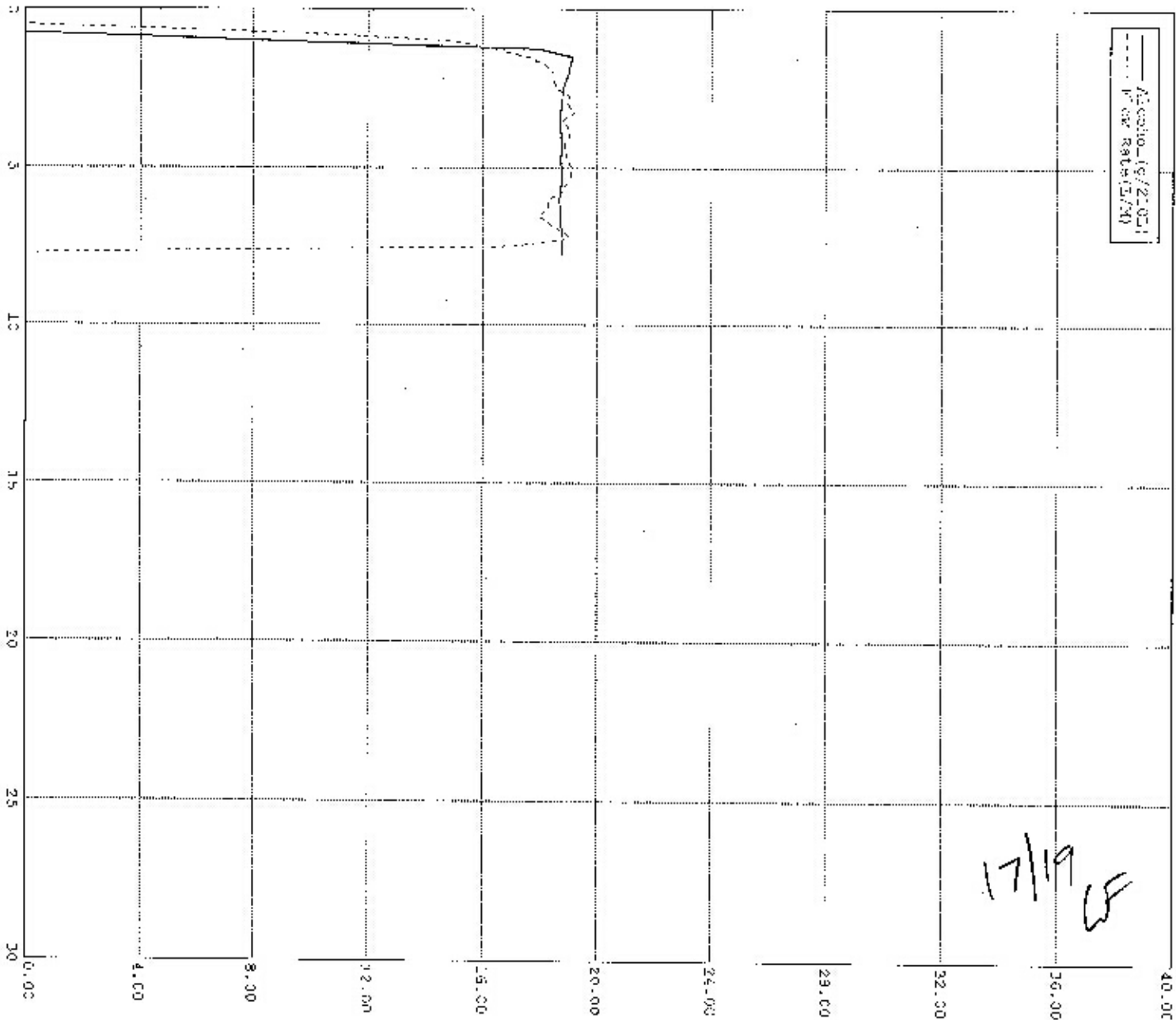
OPERATOR NAME:
 INTERFERENCE FROM ONLY
 OPERATOR'S #: XXXX

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NCMT WVL: 0.080
 TARGET AT 29.45: 0.078
 LOT #: 32012080A1
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	11:17
BLANK TEST	0.000	11:17
INTERNAL STANDARD	VERIFIED	11:16
XI - 0.095 (0.28%)		
EXTERNAL STANDARD	0.078	11:16
XI - 0.078 (0.308)	(0.0029)	
BLANK TEST	0.000	11:19
SUBJECT SAMPLE (VCL=2.31L)	0.094	11:15
XI = 0.0942 (-0.0001)	(0.0017)	
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.077	11:22
XI = 0.0779 (0.0002)	(0.0019)	
BLANK TEST	0.000	11:21



SUBJECT TEST

Alaska Department of Public Safety
 DEMONSTRATOR date: 101888

Date: 04/30/2012
 Time: 11:40:07

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 RFI XXXX
 OPERATOR'S #: XXXX

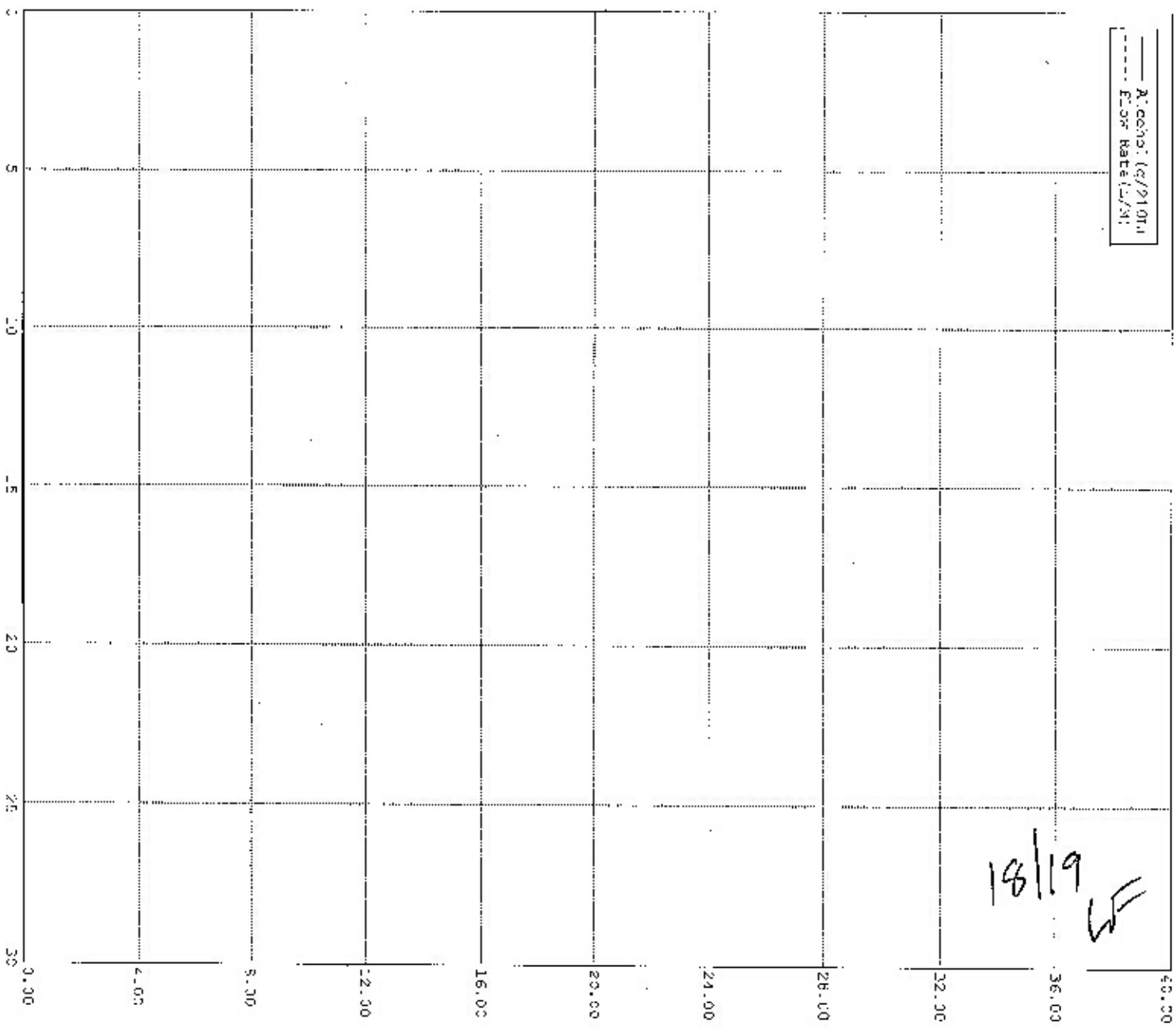
DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 MONTGOM: 0.090
 TARGET AD 29.45: 0.078
 LOT #: 02012082AL
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	11:43
BLANK TEST	0.000	11:44
INTERNAL STANDARD	VERIFIED	11:44
EXTERNAL STANDARD	0.078	11:44
BLANK TEST	0.000	11:45

RFI DETECTED

Accno: (6/21/01)
 Floor Rate(L/M)



SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100688

Date: 04/30/2012
 Time: 13:46:21

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

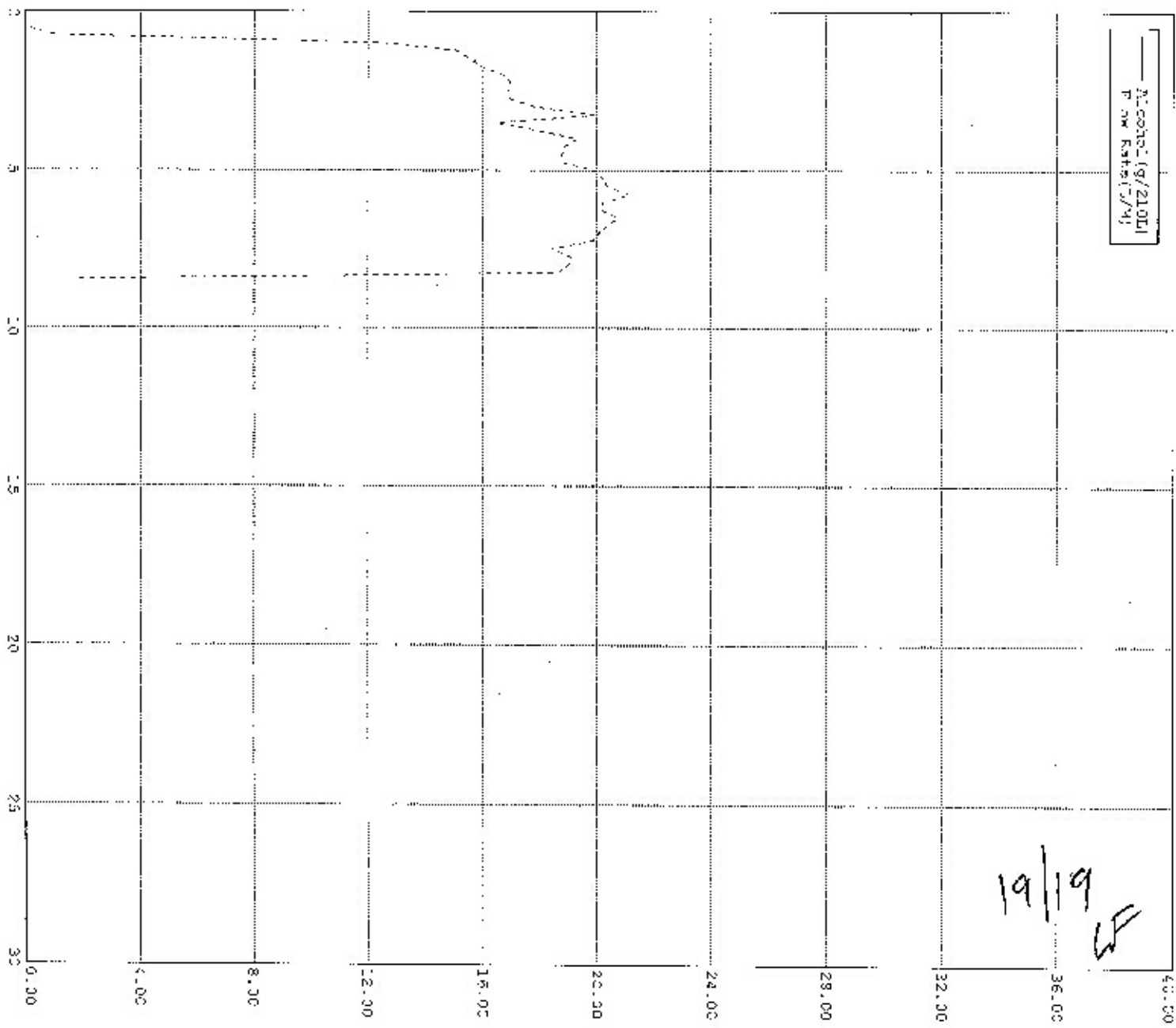
OPERATOR NAME:
 CHARLES FOSTER
 OPERATOR'S #: 7734

DEPT/AGENCY:
 XXXX
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

MONITOR: 0.080
 TARGET AT 29.4S: 0.078
 LOW #: 02012080AL
 EXPIRATION: 03/01/2014

DIAGNOSTIC CHECK	PASSED	13:47
BLANK TEST	0.000	13:47
INTERNAL STANDARD	VARIABLE	13:47
EXTERNAL STANDARD	0.078	13:47
BLANK TEST	0.000	13:48
SUBJECT SAMPLE	0.000	13:48
BLANK TEST	0.000	13:49
EXTERNAL STANDARD	0.078	13:50
BLANK TEST	0.000	13:50



Final page for report

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2/12/2014