



Airgas USA LLC (LAB)  
3500 Bernard Street  
St. Louis, Mo. 63103  
Ph: (314) 533-3100  
Fax: (314) 533-7328

## Certificate of Analysis

**Customer Name**

*Exclusive Supplier*  
Intoximeters, Inc.  
2081 Craig Road  
St. Louis, Mo 63146

**Test Date:** 18-Dec-2017

**Lot #** AG735001 **Model** 108caccd

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
16-Dec-2019	108	Ethanol Nitrogen	0.080 ± 0.002 BrAC (208 ppm) Balance

Certification Traceable to N.I.S.T. RGM Ethanol Standards:

<u>Serial No.</u>	<u>Concentration</u>	<u>Serial No.</u>	<u>Concentration</u>
EB0010581	392.1 ppm	EB0010603	393.0 ppm
EB0010570	259.8 ppm	EB0010559	258.2 ppm
EB0010285	208.0 ppm	EB0010595	208.3 ppm
EB0010561	103.6 ppm	EB0010562	104.2 ppm
EB0010681	52.12 ppm	EB0010579	52.81 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
Date: 2017.12.18 14:16:45 -06:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Approved for Release:

  
Rod Marsala

**ISO 17025:2005 A2LA accredited. Certificate Number 2989.01**

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/23/2018  
 Time: 12:16:54

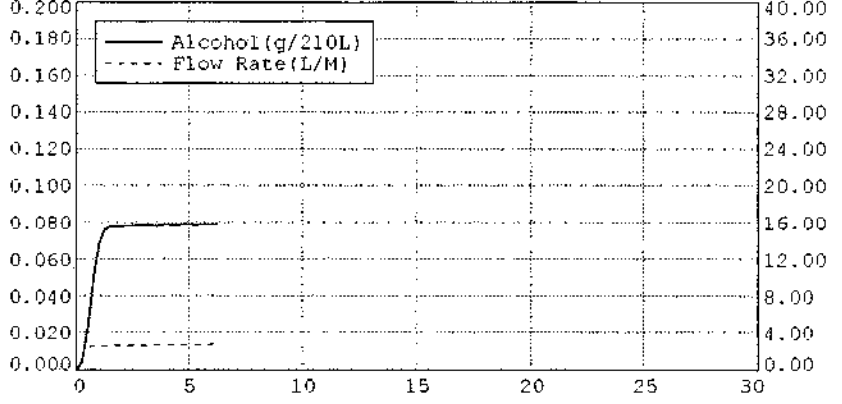
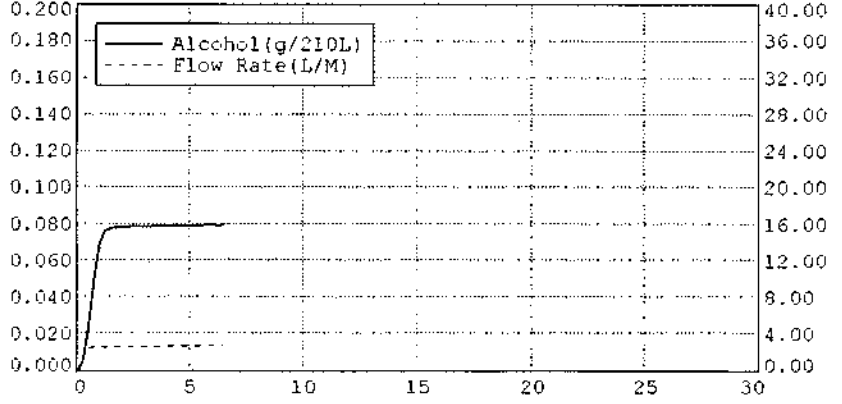
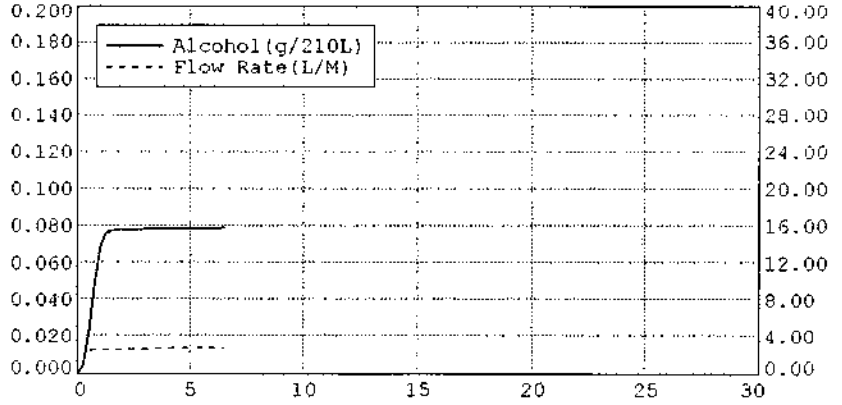
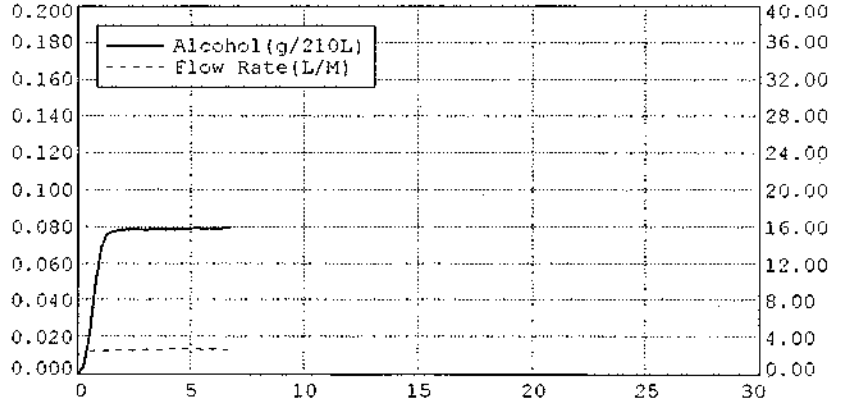
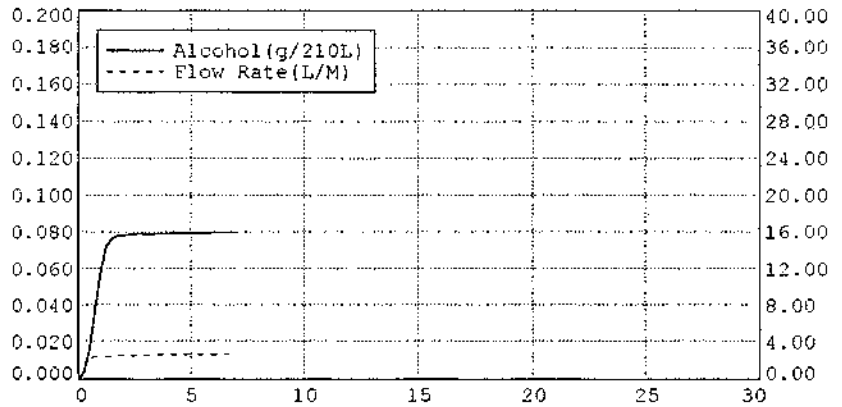
SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.60: 0.079  
 TANK PRESSURE: 1182 psi

BLANK TEST	0.000	12:20
INTERNAL STANDARD	VERIFIED	12:20
EXTERNAL STANDARD	0.081	12:20
BLANK TEST	0.000	12:21
EXTERNAL STANDARD	0.080	12:21
BLANK TEST	0.000	12:22
EXTERNAL STANDARD	0.080	12:22
BLANK TEST	0.000	12:23
EXTERNAL STANDARD	0.080	12:23
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.080	12:24
BLANK TEST	0.000	12:25

Average = 0.0802  
 Std Dev = 0.0004

*Tank #98*  
*AG 735001*  
*Exp 12/16/19*  
*COB 1/23/18*  
*Tank average = 0.080*



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100411

Date: 01/23/2018  
Time: 11:14:30

SUPERVISOR NAME:  
COLLEEN S OBRYANT  
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.58: 0.079  
TANK PRESSURE: 1178 psi

BLANK TEST	0.000	11:16
INTERNAL STANDARD	VERIFIED	11:16
EXTERNAL STANDARD	0.081	11:16
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.080	11:17
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.080	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.080	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.081	11:20
BLANK TEST	0.000	11:21

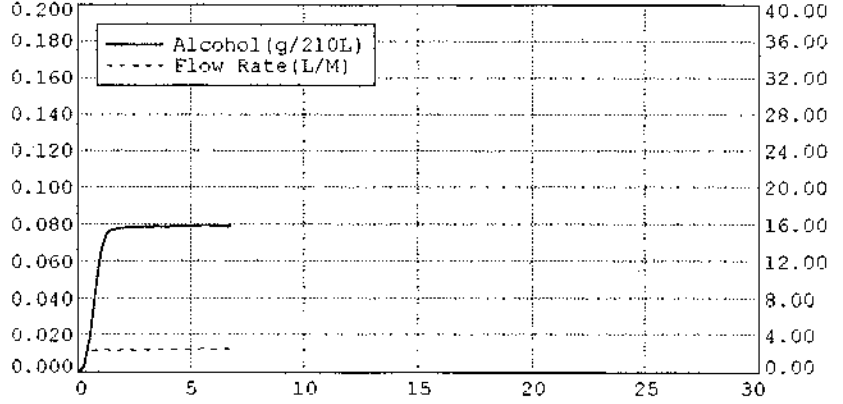
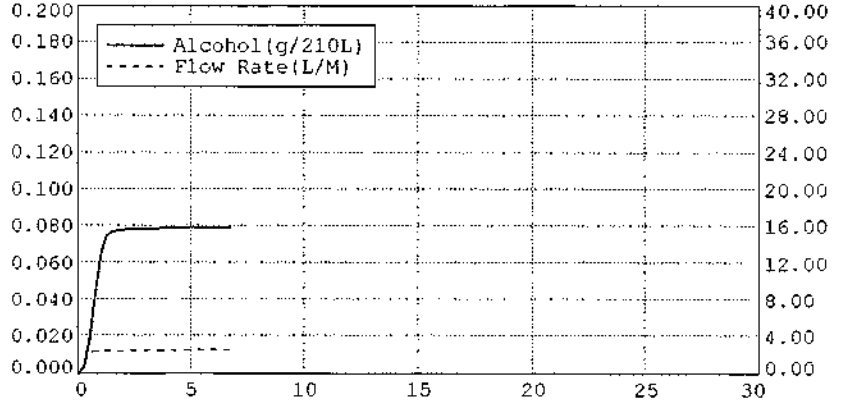
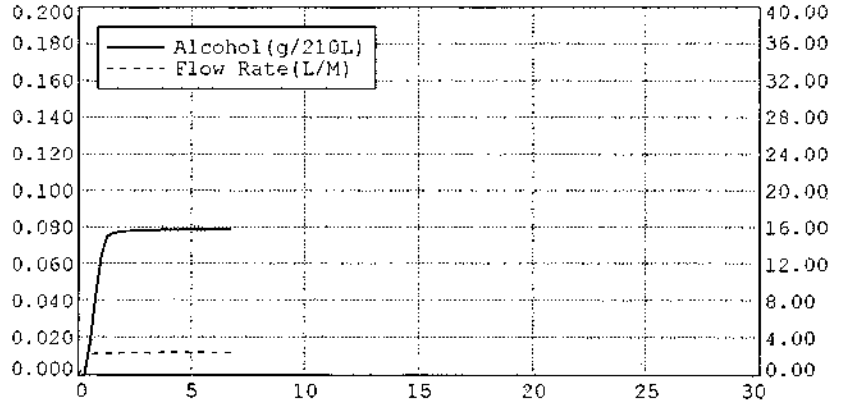
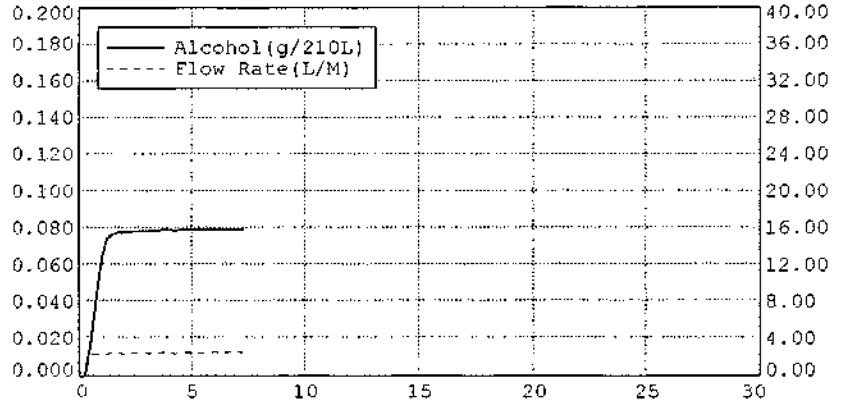
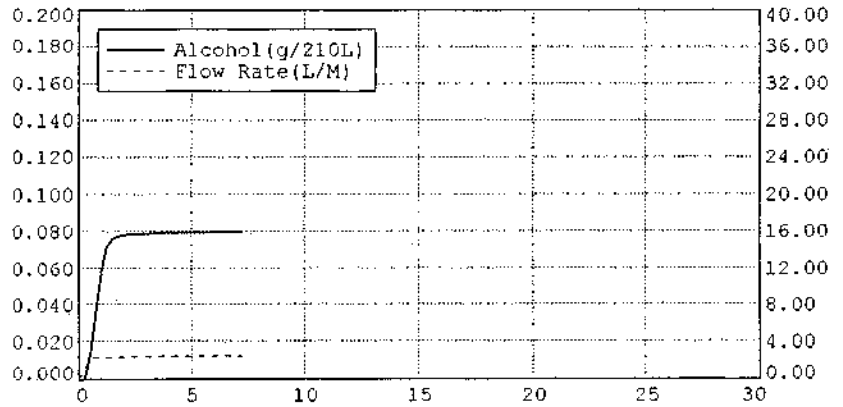
Average = 0.0804  
Std Dev = 0.0005

*Tank #98*

*AG 735001*

*Exp 12/10/19*

*COB/23/18*



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

Date: 01/23/2018  
Time: 11:17:36

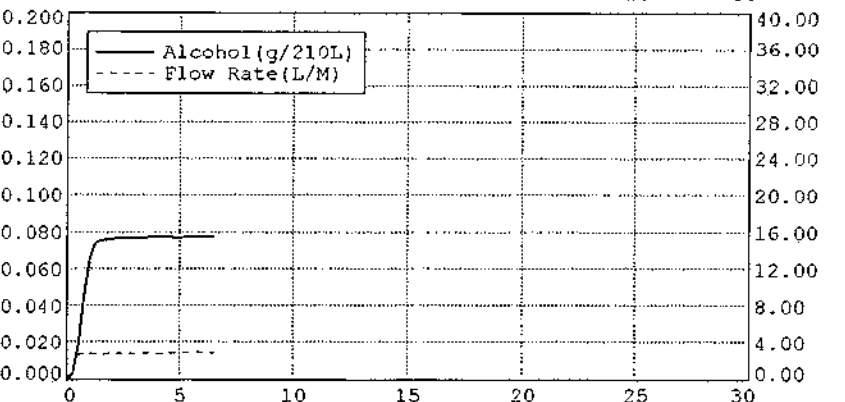
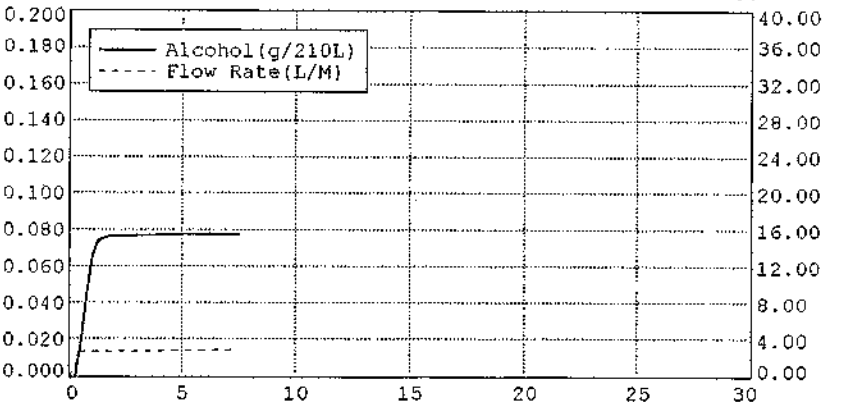
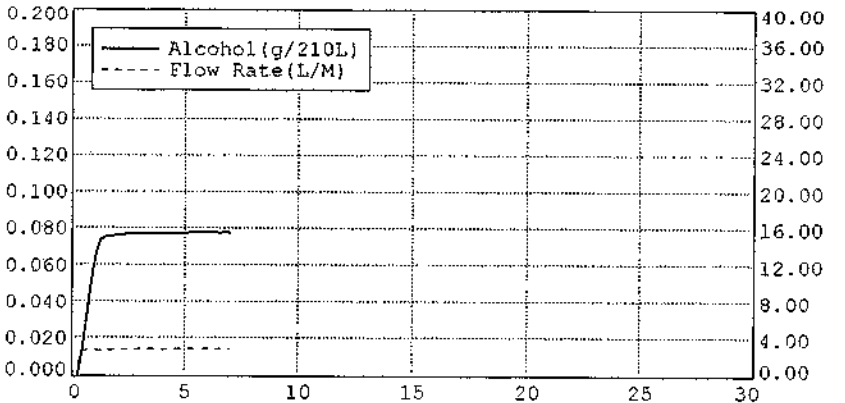
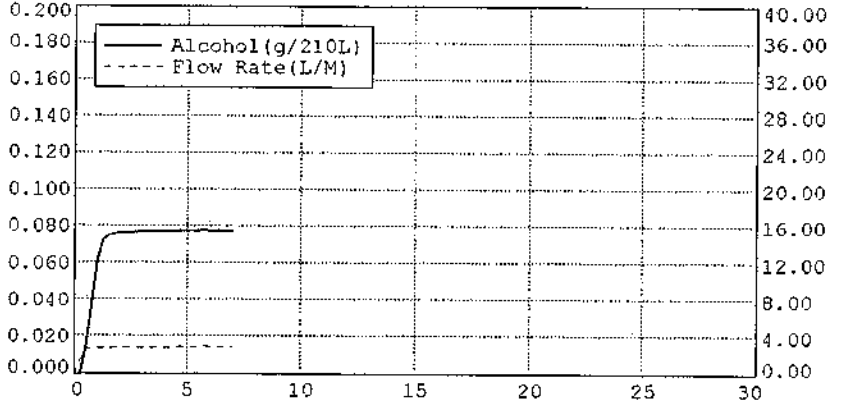
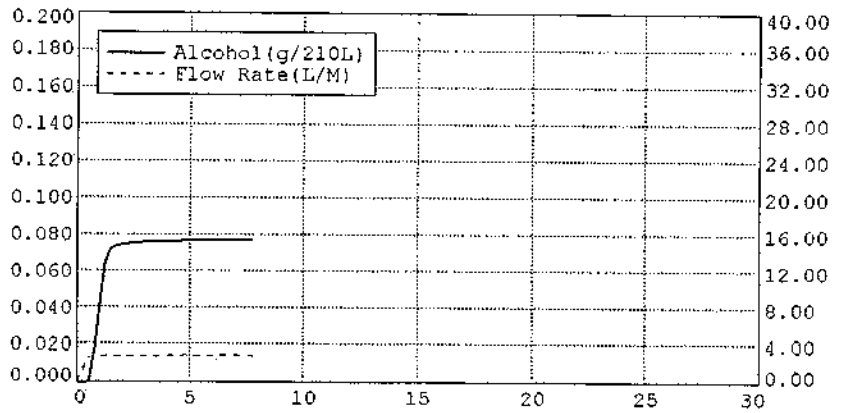
SUPERVISOR NAME:  
COLLEEN S OBRYANT  
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.59: 0.079  
TANK PRESSURE: 1198 psi

BLANK TEST	0.000	11:18
INTERNAL STANDARD	VERIFIED	11:19
EXTERNAL STANDARD	0.078	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.078	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.079	11:21
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.079	11:22
BLANK TEST	0.000	11:23
EXTERNAL STANDARD	0.079	11:23
BLANK TEST	0.000	11:24

Average = 0.0786  
Std Dev = 0.0005

*Tank #98*  
*AG#35001*  
*Exp 12/16/19*  
*003/23/18*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/23/2018  
 Time: 12:27:12

SUPERVISOR NAME:  
 COLLEEN S OBYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.60: 0.079  
 TANK PRESSURE: 1162 psi

BLANK TEST	0.000	12:28
INTERNAL STANDARD	VERIFIED	12:28
EXTERNAL STANDARD	0.081	12:28
BLANK TEST	0.000	12:29
EXTERNAL STANDARD	0.080	12:30
BLANK TEST	0.000	12:30
EXTERNAL STANDARD	0.080	12:31
BLANK TEST	0.000	12:32
EXTERNAL STANDARD	0.080	12:32
BLANK TEST	0.000	12:33
EXTERNAL STANDARD	0.080	12:33
BLANK TEST	0.000	12:34

Average = 0.0802  
 Std Dev = 0.0004

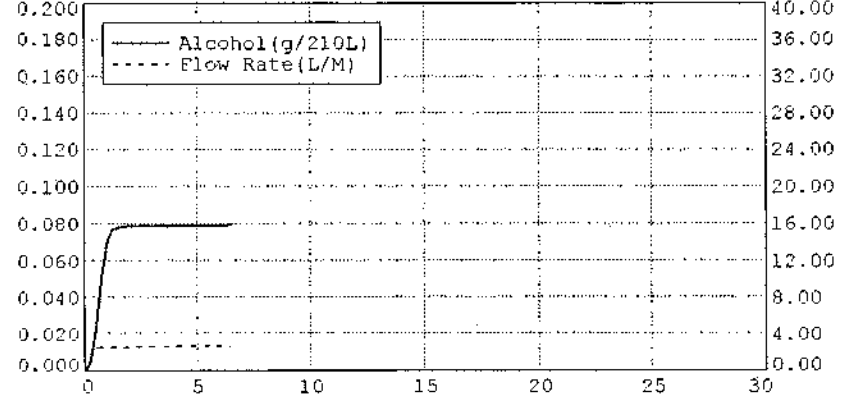
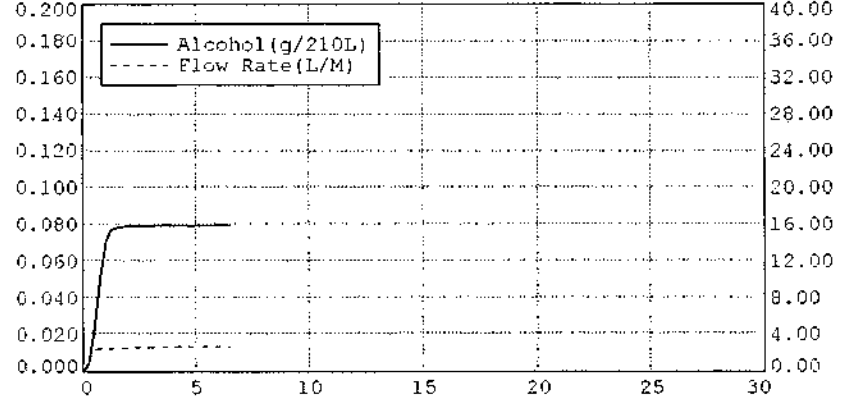
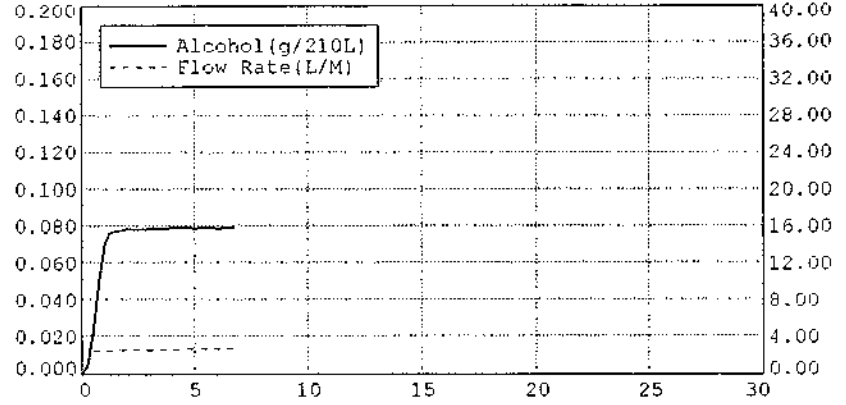
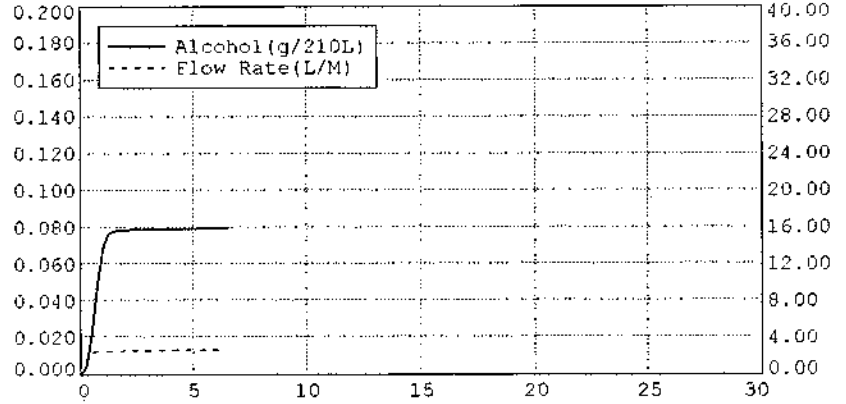
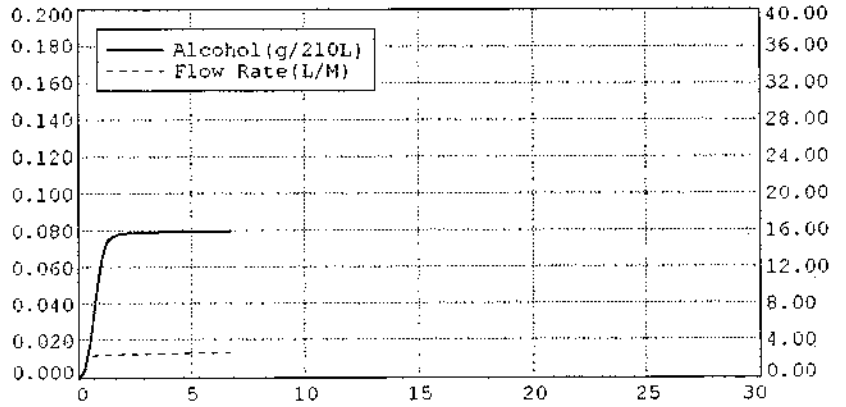
*Tank #99*

*AG 735001*

*Exp 12/16/19*

*COB 1/23/18*

*Tank Average = 0.080*



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100411

Date: 01/23/2018  
Time: 10:56:56

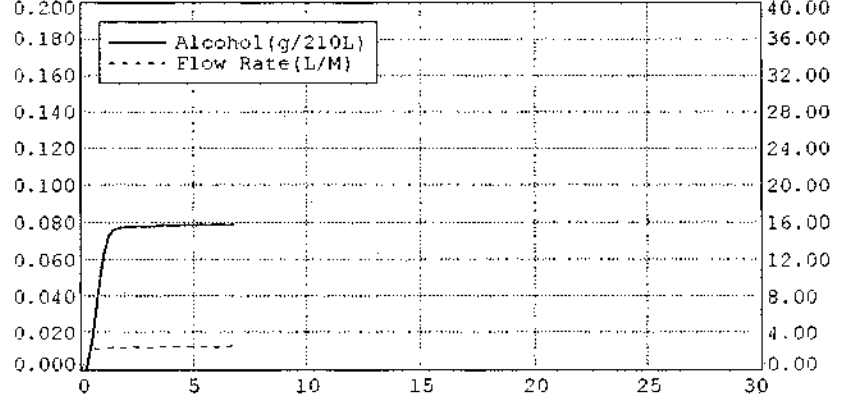
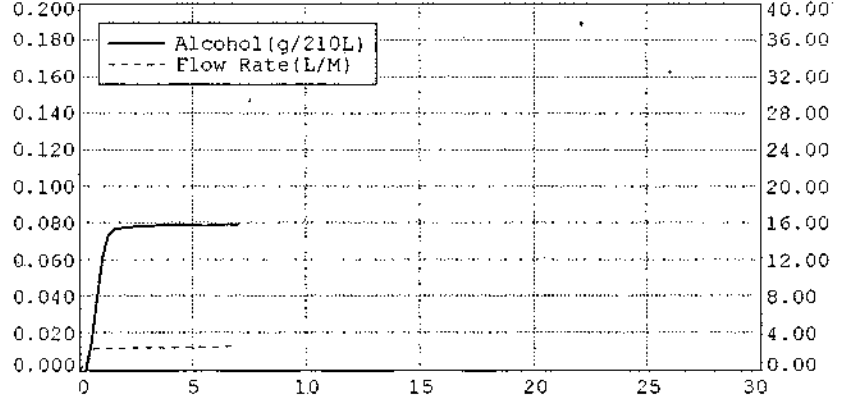
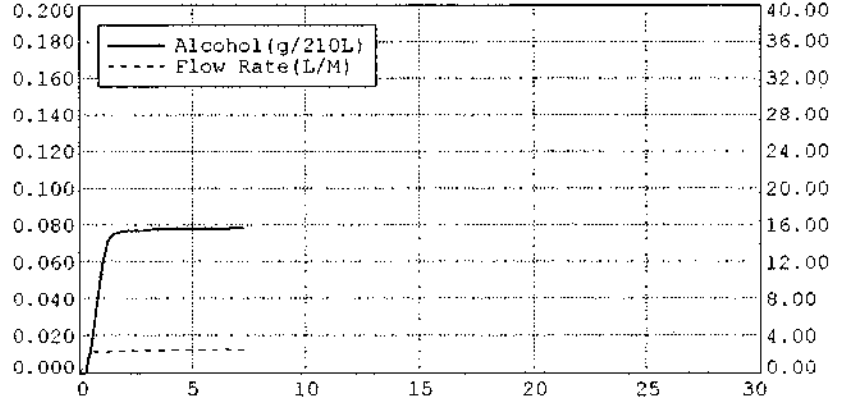
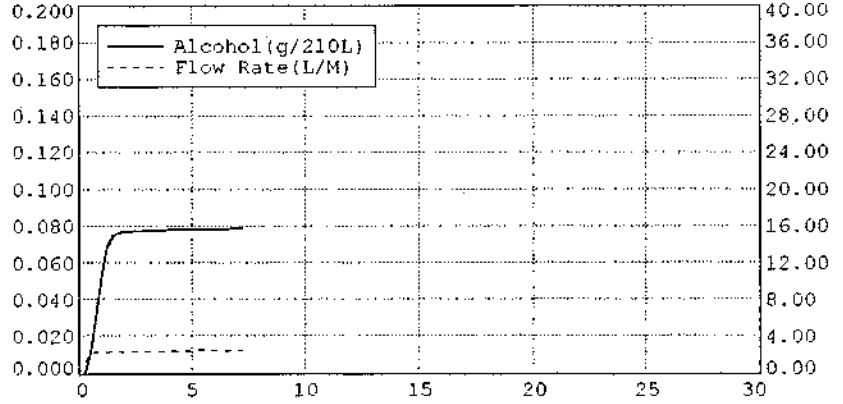
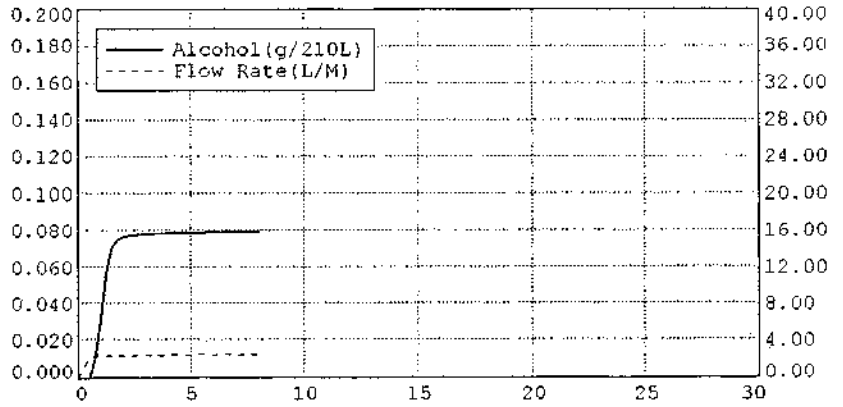
SUPERVISOR NAME:  
COLLEEN S OBRYANT  
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.58: 0.079  
TANK PRESSURE: 1198 psi

BLANK TEST	0.000	10:58
INTERNAL STANDARD	VERIFIED	10:58
EXTERNAL STANDARD	0.080	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.080	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.080	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.080	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.080	11:03
BLANK TEST	0.000	11:03

Average = 0.0800  
Std Dev = 0.0000

*Tank #99*  
*AG 735001*  
*Exp 12/16/19*  
*COB/23/18*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

Date: 01/23/2018  
 Time: 11:25:46

SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.59: 0.079  
 TANK PRESSURE: 1185 psi

BLANK TEST	0.000	11:27
INTERNAL STANDARD	VERIFIED	11:27
EXTERNAL STANDARD	0.079	11:27
BLANK TEST	0.000	11:28
EXTERNAL STANDARD	0.079	11:28
BLANK TEST	0.000	11:29
EXTERNAL STANDARD	0.079	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.079	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.080	11:31
BLANK TEST	0.000	11:32

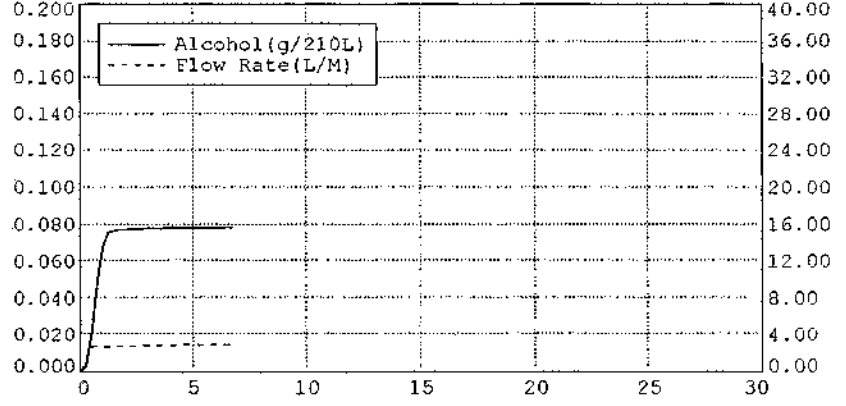
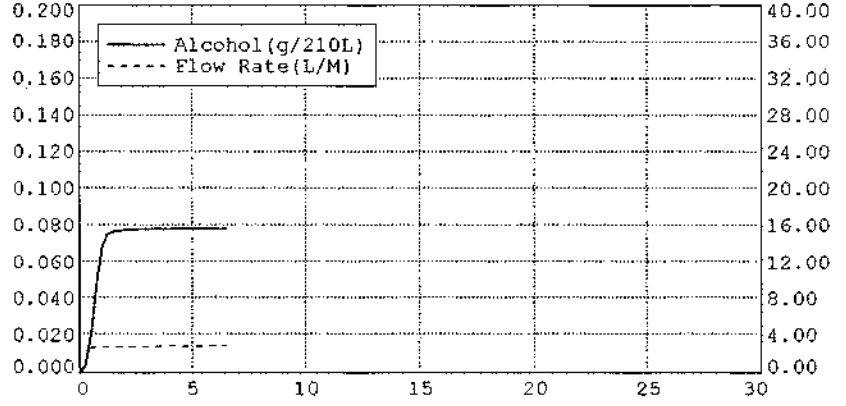
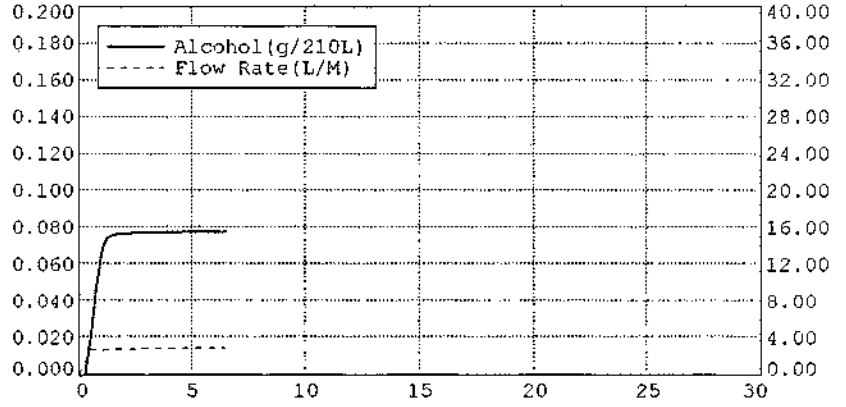
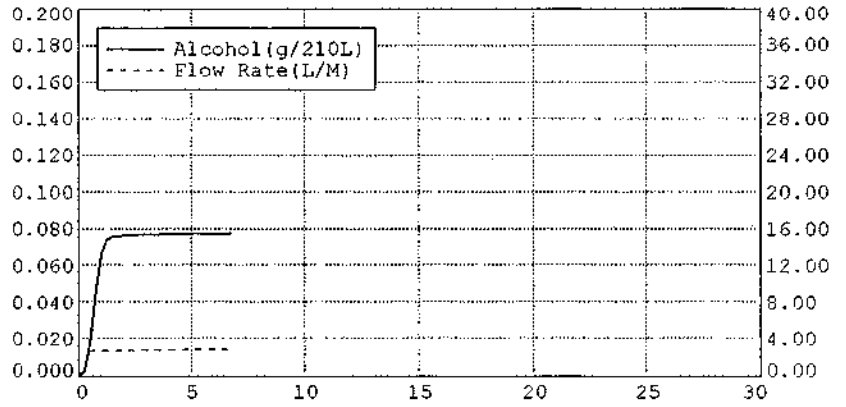
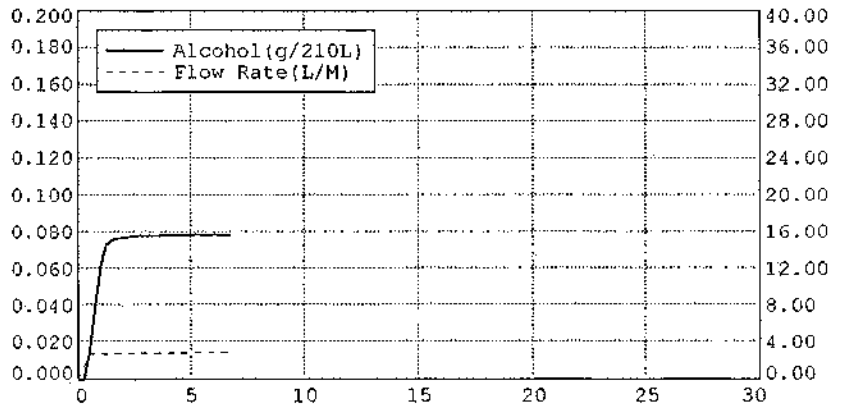
Average = 0.0792  
 Std Dev = 0.0004

*Tank #99*

*AG 735001*

*Exp 12/16/19*

*003/23/18*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/23/2018  
 Time: 12:08:17

SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

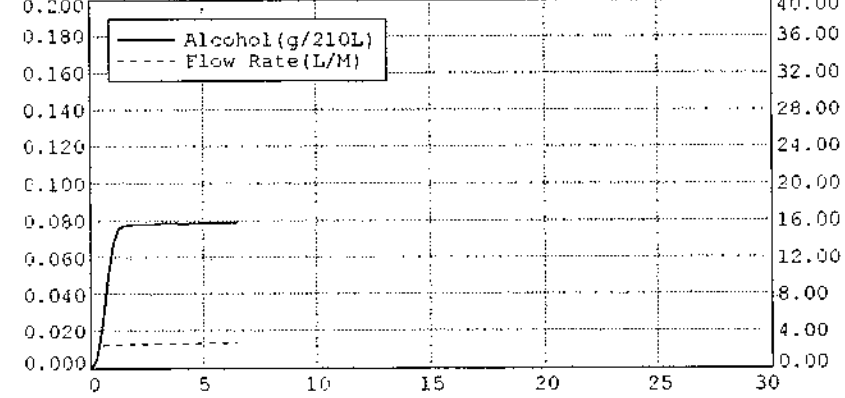
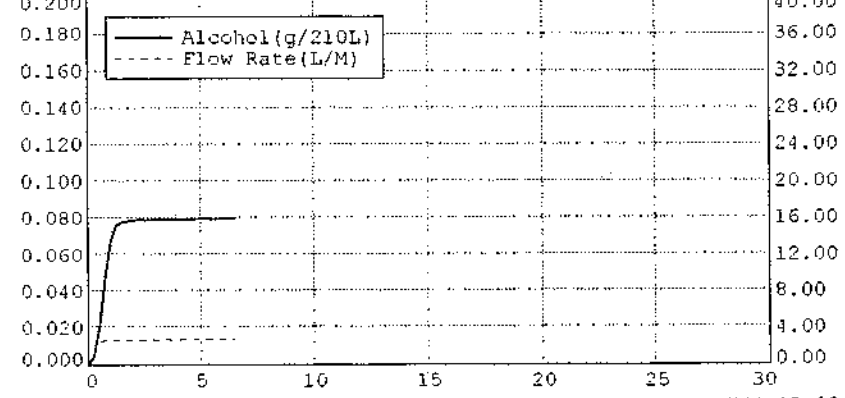
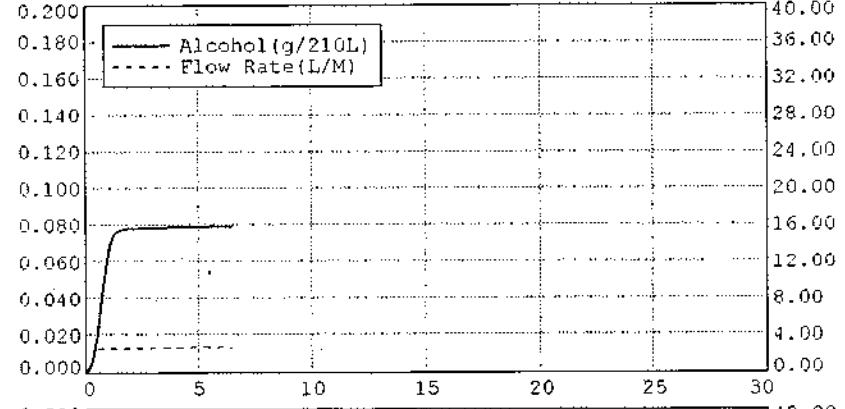
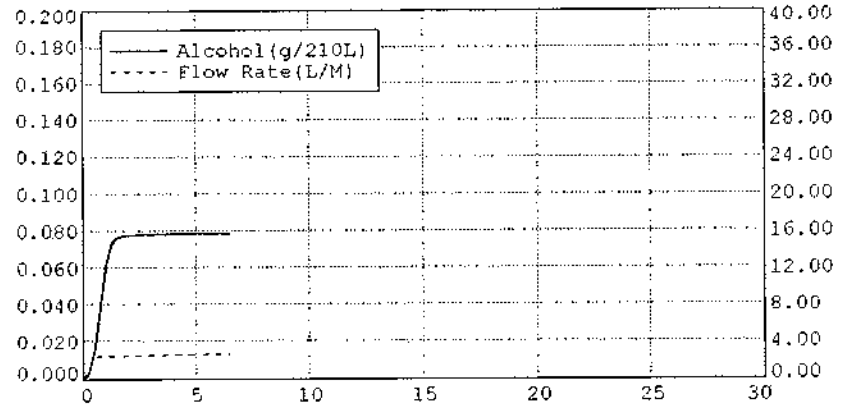
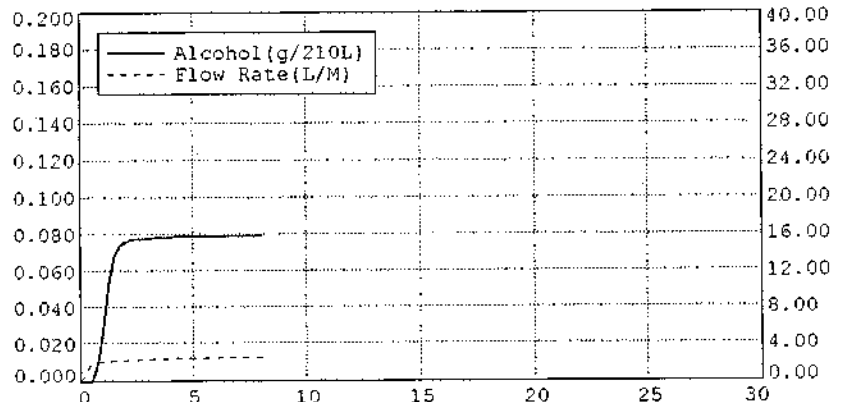
EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.60: 0.079  
 TANK PRESSURE: 1188 psi

BLANK TEST	0.000	12:09
INTERNAL STANDARD	VERIFIED	12:09
EXTERNAL STANDARD	0.080	12:09
BLANK TEST	0.000	12:10
EXTERNAL STANDARD	0.080	12:11
BLANK TEST	0.000	12:11
EXTERNAL STANDARD	0.080	12:12
BLANK TEST	0.000	12:13
EXTERNAL STANDARD	0.080	12:13
BLANK TEST	0.000	12:14
EXTERNAL STANDARD	0.080	12:14
BLANK TEST	0.000	12:15

Average = 0.0800  
 Std Dev = 0.0000

*Tank #100*  
*AG 735001*  
*Exp 12/16/19*  
*COB 1/23/18*

*Tank Average = 0.080*





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

Date: 01/23/2018  
 Time: 11:05:36

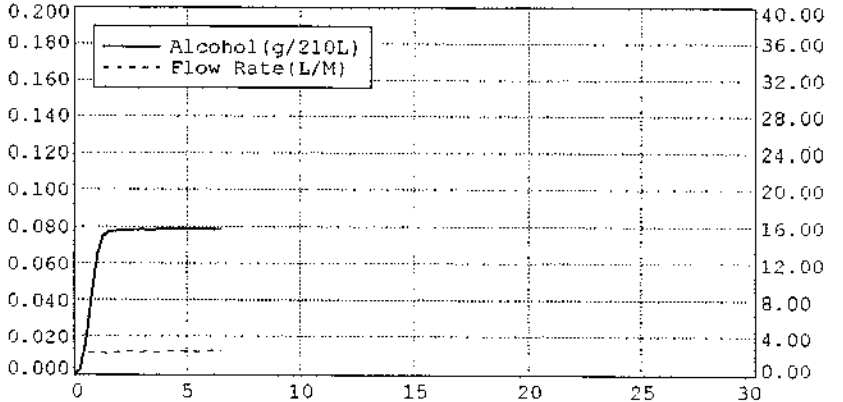
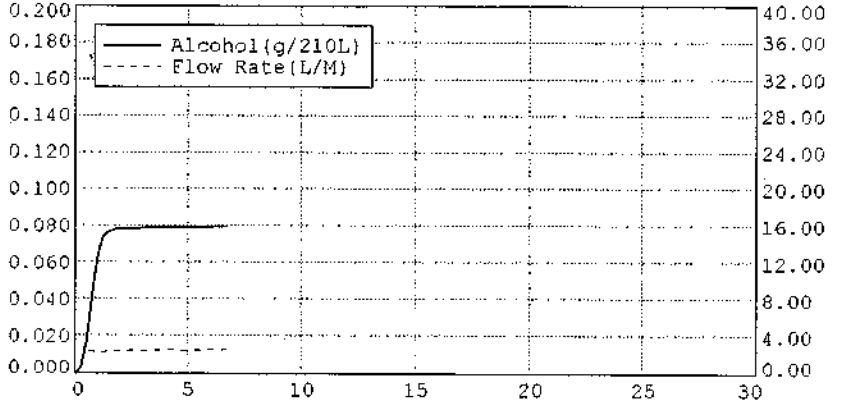
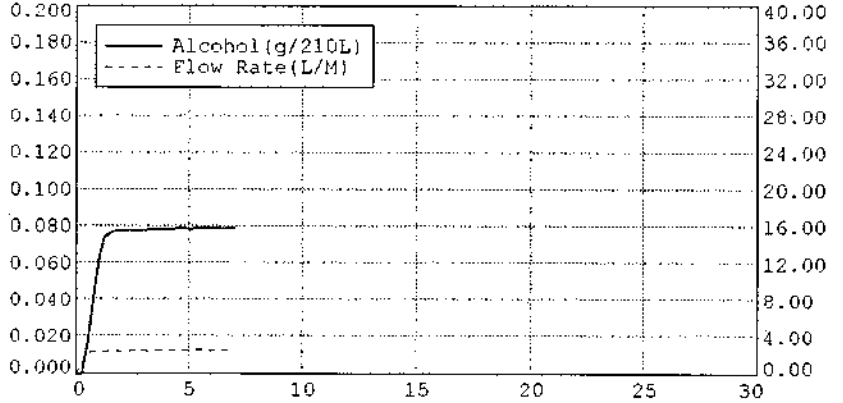
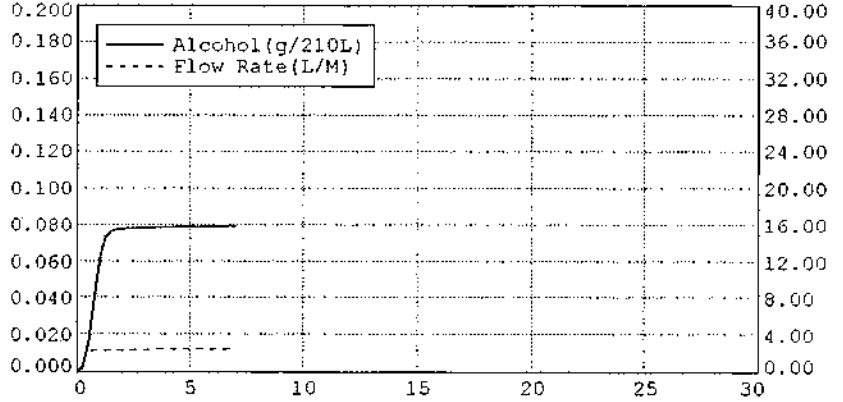
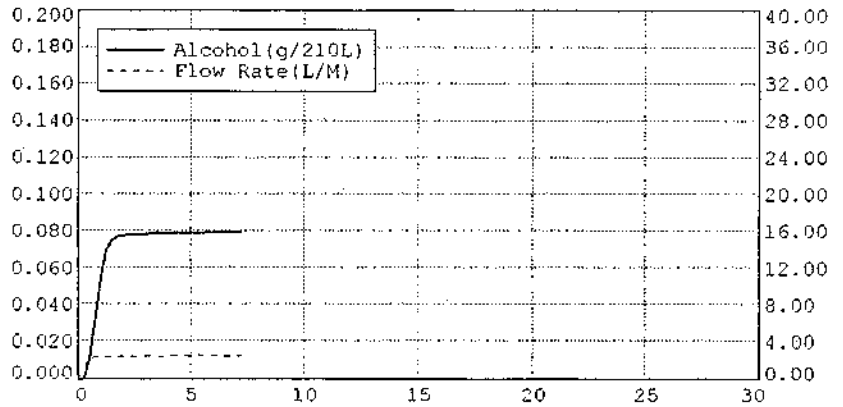
SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 62377

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.58: 0.079  
 TANK PRESSURE: 1190 psi

BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.081	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.081	11:09
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.080	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.081	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.081	11:12
BLANK TEST	0.000	11:13

Average = 0.0808  
 Std Dev = 0.0004

*Tank #100*  
*AG 735001*  
*Exp 12/10/19*  
*COB 1/23/18*



**SUPERVISOR TEST**

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

Date: 01/23/2018  
 Time: 11:33:59

SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

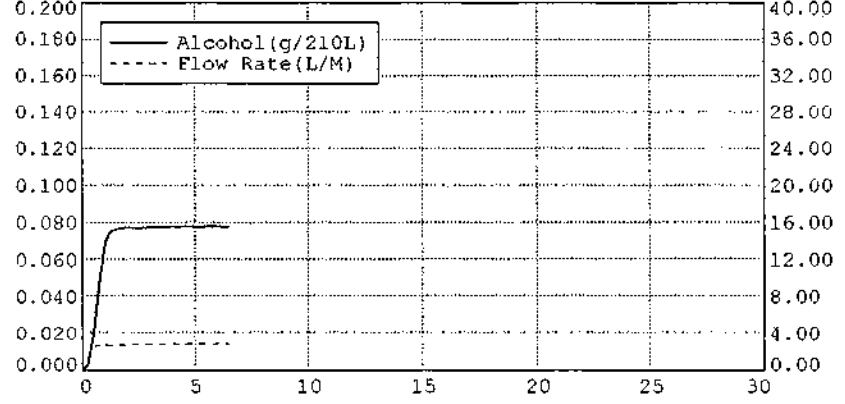
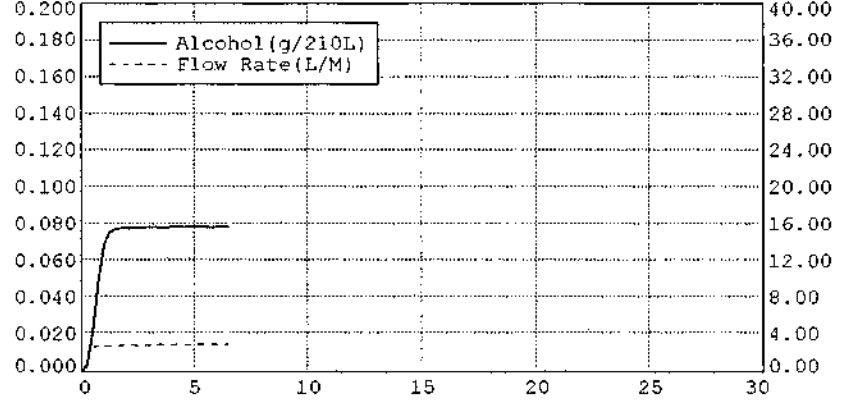
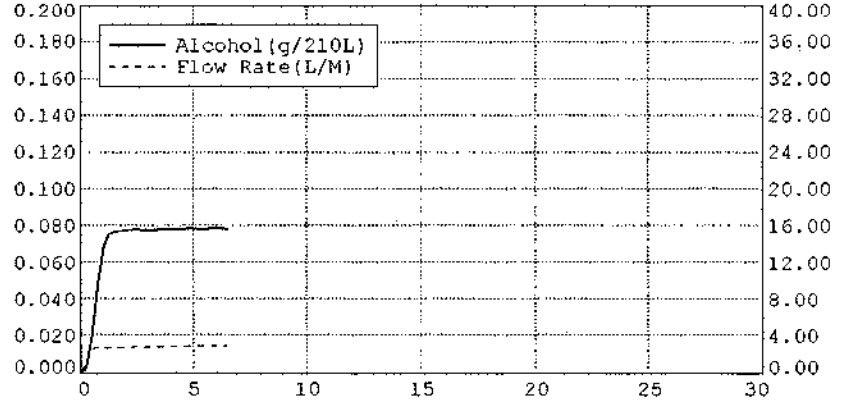
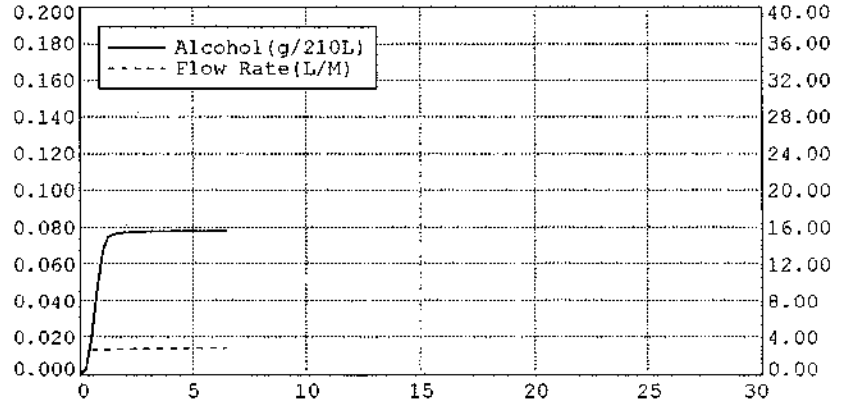
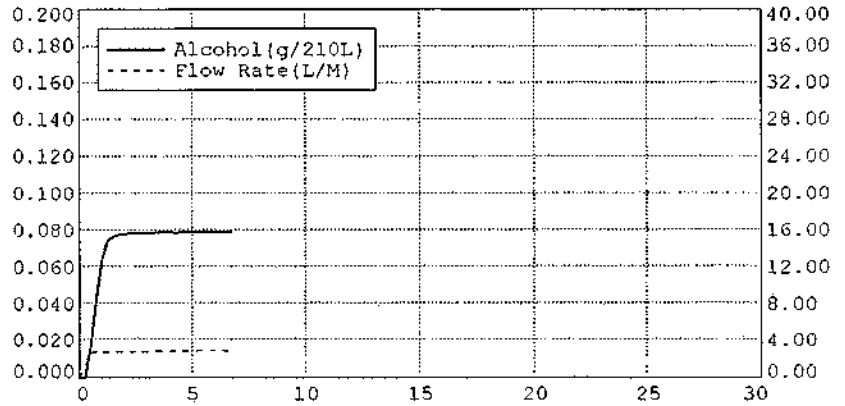
**EXTERNAL STANDARD INFORMATION**

NOMINAL: 0.080  
 TARGET AT 29.59: 0.079  
 TANK PRESSURE: 1172 psi

BLANK TEST	0.000	11:35
INTERNAL STANDARD	VERIFIED	11:35
EXTERNAL STANDARD	0.080	11:35
BLANK TEST	0.000	11:36
EXTERNAL STANDARD	0.079	11:36
BLANK TEST	0.000	11:37
EXTERNAL STANDARD	0.079	11:38
BLANK TEST	0.000	11:39
EXTERNAL STANDARD	0.079	11:39
BLANK TEST	0.000	11:40
EXTERNAL STANDARD	0.079	11:40
BLANK TEST	0.000	11:41

Average = 0.0792  
 Std Dev = 0.0004

*Tank #100*  
*AG 735001*  
*Exp 12/16/19*  
*COB 1/23/18*



DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100353  
-----

Date: 01/19/2018  
Time: 10:02:10

VERSIONS

DMT: 3.02  
PIC: 3.02  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.17 V PASSED  
(1.30 V - 3.04 V)  
Cooler Voltage = 2.13 V PASSED  
(1.26 V - 2.94 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 541 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.3 in

PUMP INFO

Flow Rate = 4.755 L/M PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF PASSED  
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.093 0.74% (0.00% - 4.00%) PASSED

Technician Screen

-----  
DATAMASTER dmt: 100353  
-----

Date: 01/19/2018  
Time: 10:09 AM

Temperatures (°C)  
Sample Cell: 49.1°C  
Breath Tube: 48.1°C

Current Barometer 29.3 in  
Volume (Ltr) 0.00

Settings  
Lamp: 2.17 V  
Bias: 80 V  
Cooler: 2.12 V  
Chopper: 540 Hz

Voltages (V)  
Flow: 1.06 V  
Detector: 0.086 V

LINEARITY CHECK

Alaska Department of Public Safety  
DATAMASTER dmt: 100353

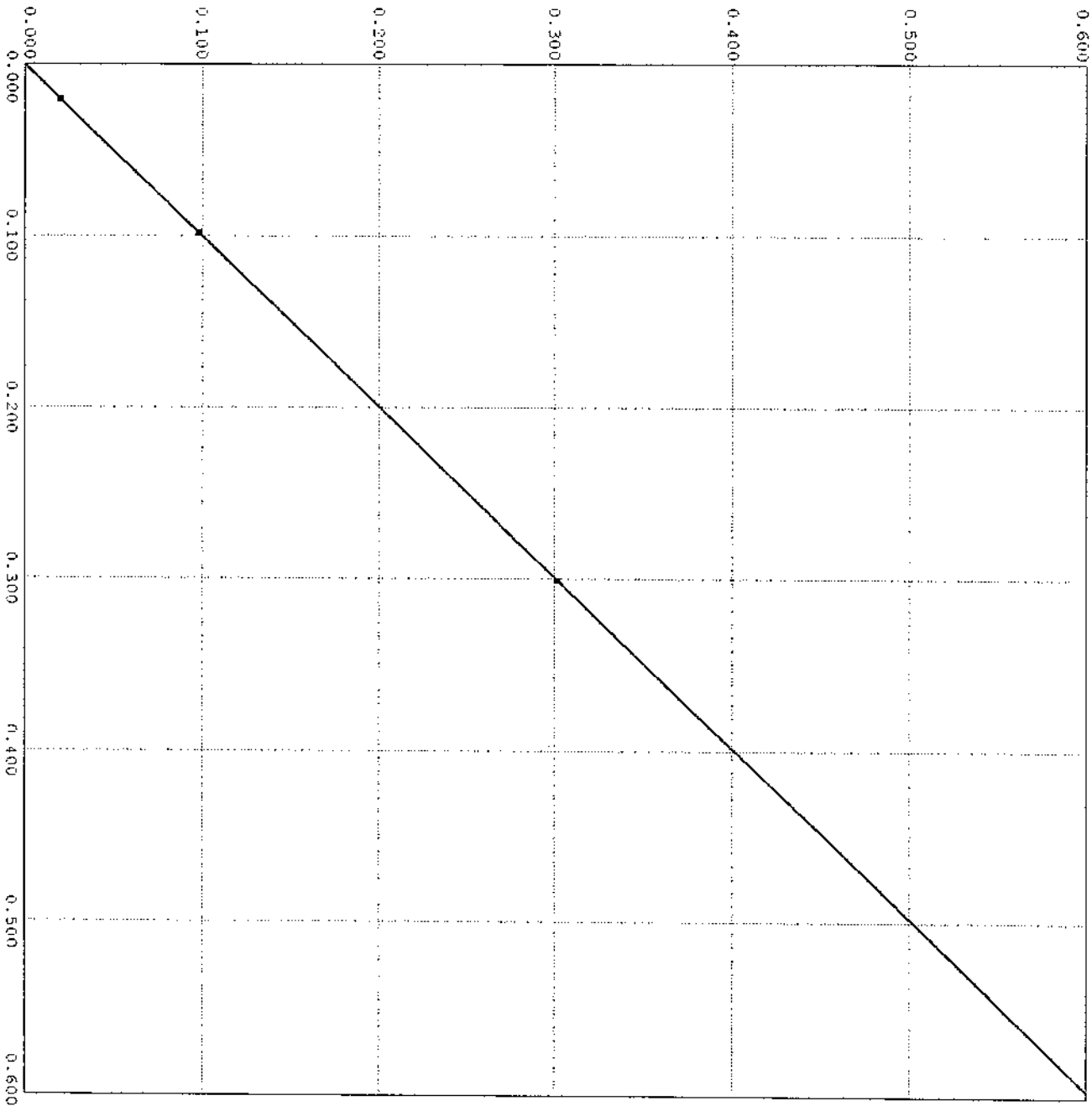
Date: 01/19/2018  
Time: 10:12:49

SUPERVISOR NAME:  
BRANDI BARRETT  
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0204	0.0005
0.098	0.0990	0.0000
0.300	0.3024	0.0005

SLOPE = 1.007100  
R<sup>2</sup> = 1.000000

*BRMB*



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

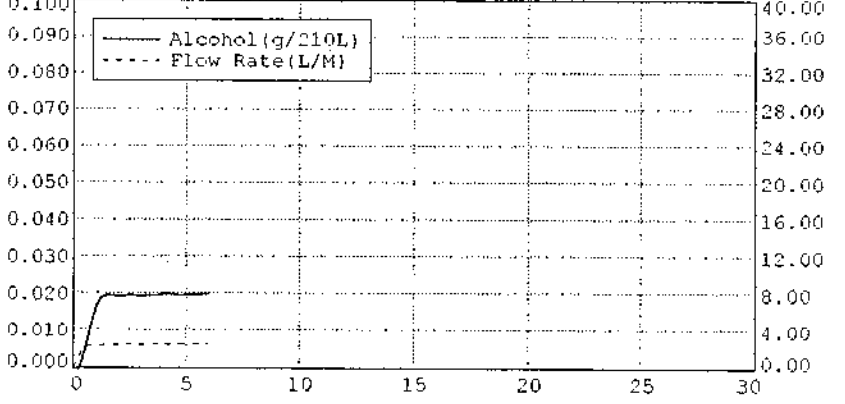
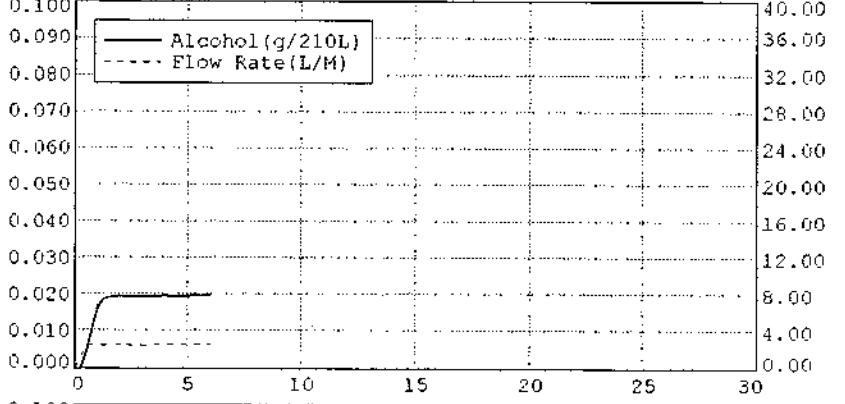
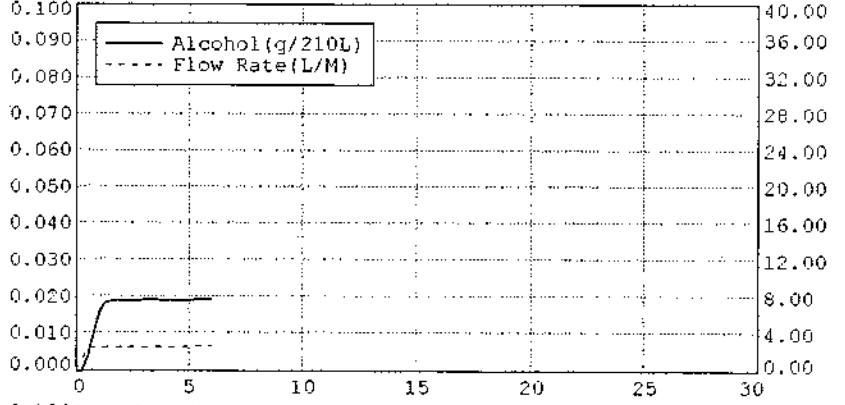
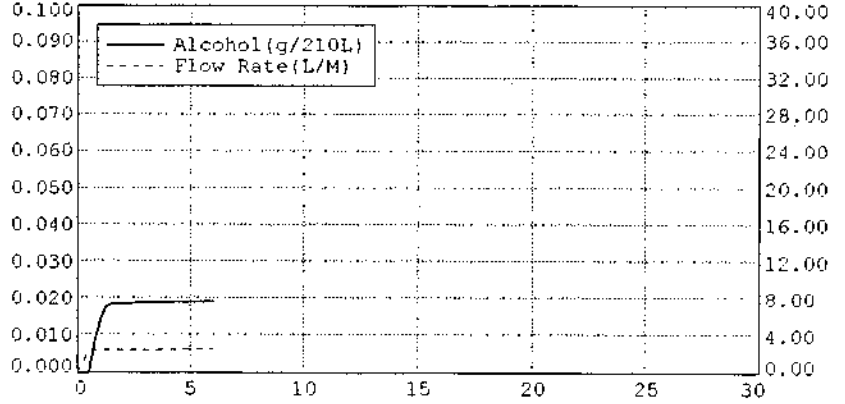
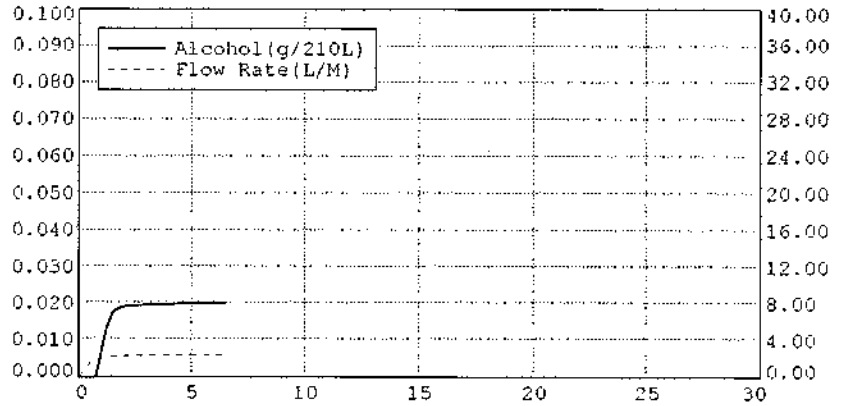
Date: 01/19/2018  
 Time: 10:12:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.34: 0.020  
 LOT #: AG616504  
 EXPIRATION: 06/13/2018  
 TANK PRESSURE: 312 psi

BLANK TEST	0.000	10:14
INTERNAL STANDARD	VERIFIED	10:14
EXTERNAL STANDARD	0.021	10:14
BLANK TEST	0.000	10:15
EXTERNAL STANDARD	0.020	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.020	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.020	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.021	10:18
BLANK TEST	0.000	10:19

Average = 0.0204  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

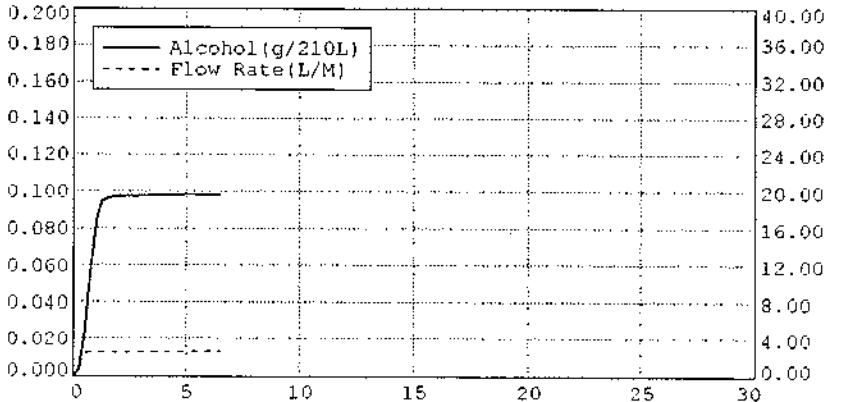
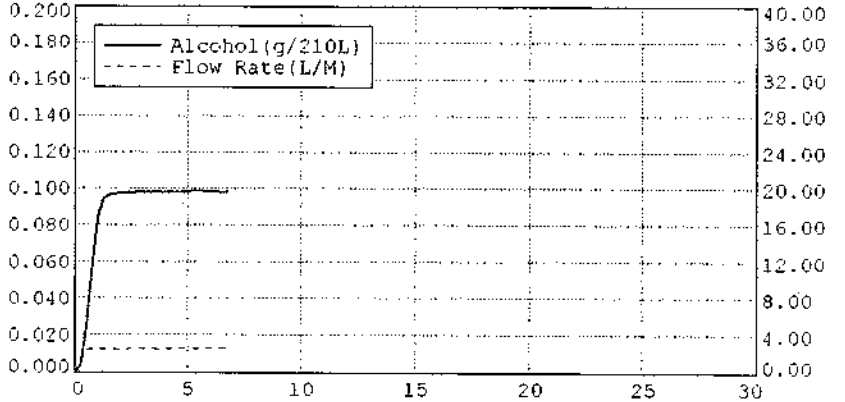
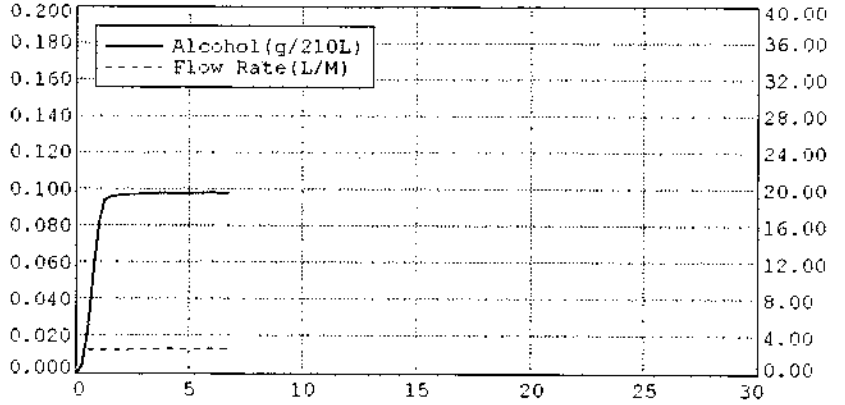
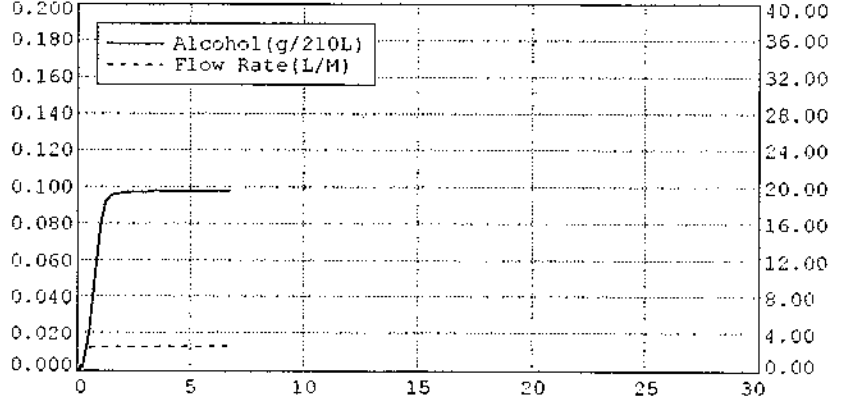
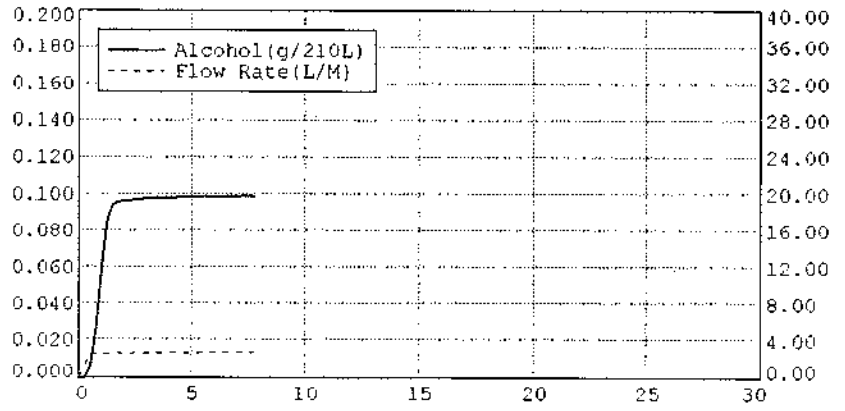
Date: 01/19/2018  
 Time: 10:20:55

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.34: 0.098  
 LOT #: AG629304  
 EXPIRATION: 10/19/2018  
 TANK PRESSURE: 511 psi

BLANK TEST	0.000	10:22
INTERNAL STANDARD	VERIFIED	10:22
EXTERNAL STANDARD	0.099	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.099	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.099	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.099	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.099	10:26
BLANK TEST	0.000	10:27

Average = 0.0990  
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 01/19/2018  
 Time: 10:28:45

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
 LOT #: GUTH 17140  
 EXPIRATION: 05/15/2019

BLANK TEST	0.000	10:30
INTERNAL STANDARD	VERIFIED	10:30
EXTERNAL STANDARD	0.303	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.302	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.302	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.302	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.303	10:37
BLANK TEST	0.000	10:38

Average = 0.3024  
 Std Dev = 0.0005

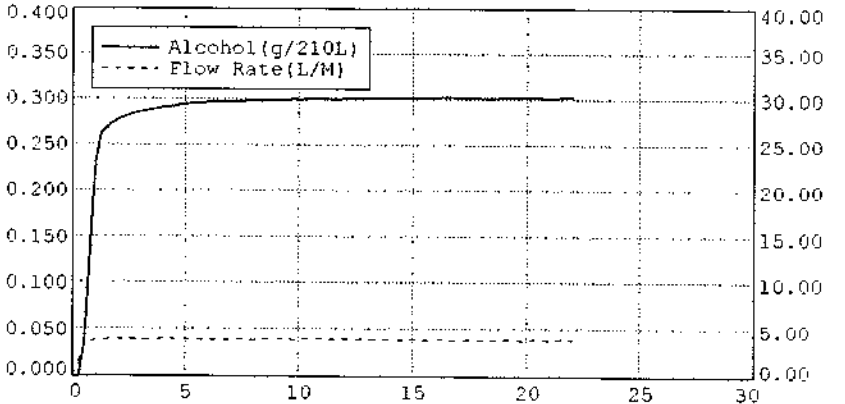
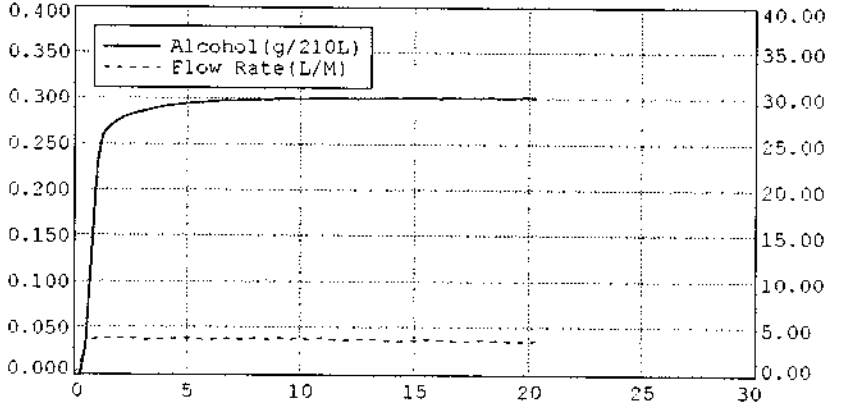
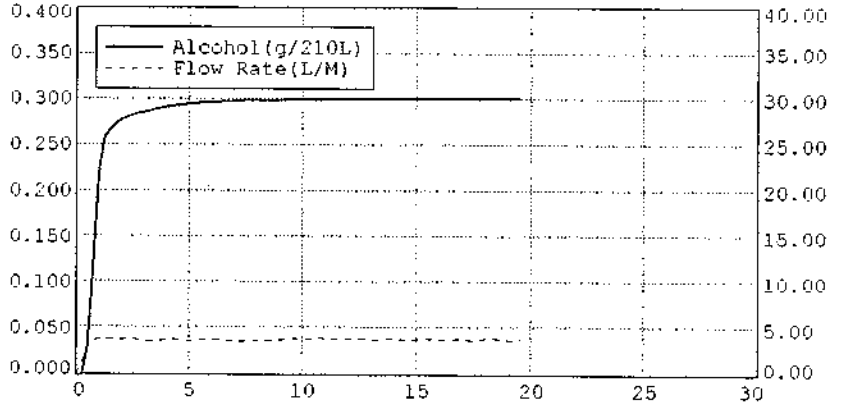
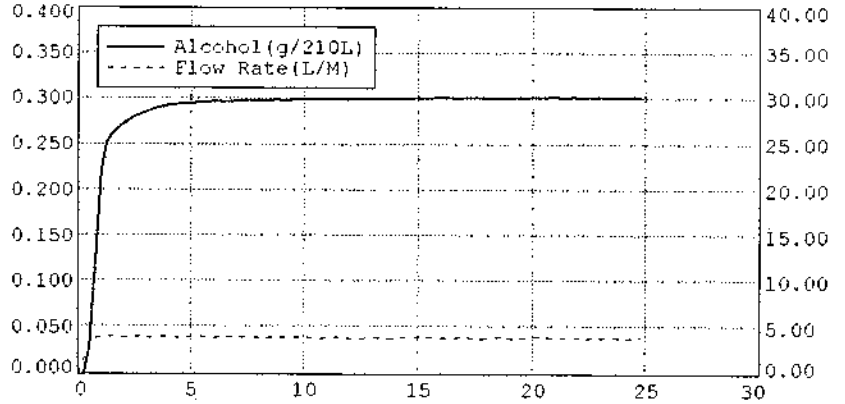
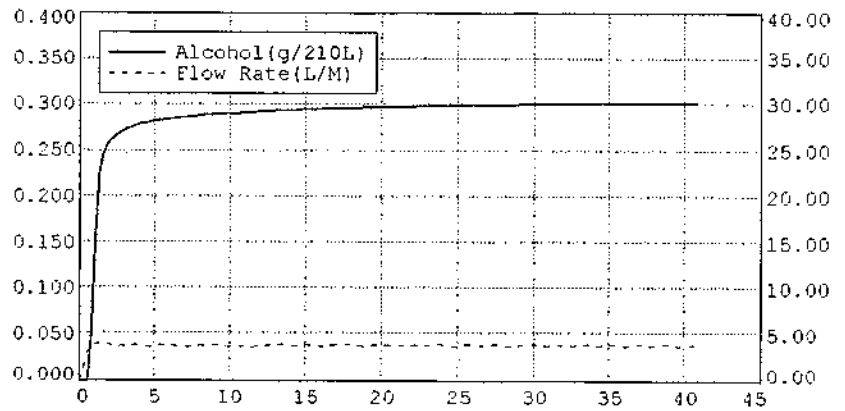
Simulator

DR4162

Calibrated: 03/27/17

BMB

1/19/18





DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100411  
-----

Date: 01/19/2018  
Time: 08:50:10

VERSIONS  
DMT: 3.02  
PIC: 3.02  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.82 V PASSED  
(1.10 V - 2.58 V)  
Cooler Voltage = 1.95 V PASSED  
(1.05 V - 2.48 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 540 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.4 in

PUMP INFO

Flow Rate = 5.167 L/M PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF PASSED  
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.085 1.21% (0.00% - 4.00%) PASSED

Technician Screen

-----  
DATAMASTER dmt: 100411  
-----

Date: 01/19/2018  
Time: 8:57 AM

Temperatures (°C)  
Sample Cell: 48.9°C  
Breath Tube: 48.1°C

Current Barometer 29.3 in  
Volume (Ltr) 0.00

Settings  
Lamp: 1.84 V  
Bias: 80 V  
Cooler: 1.95 V  
Chopper: 538 Hz

Voltages (V)  
Flow: 1.05 V  
Detector: -0.061 V

LINEARITY CHECK

Alaska Department of Public Safety  
DATAMASTER dmt: 100411

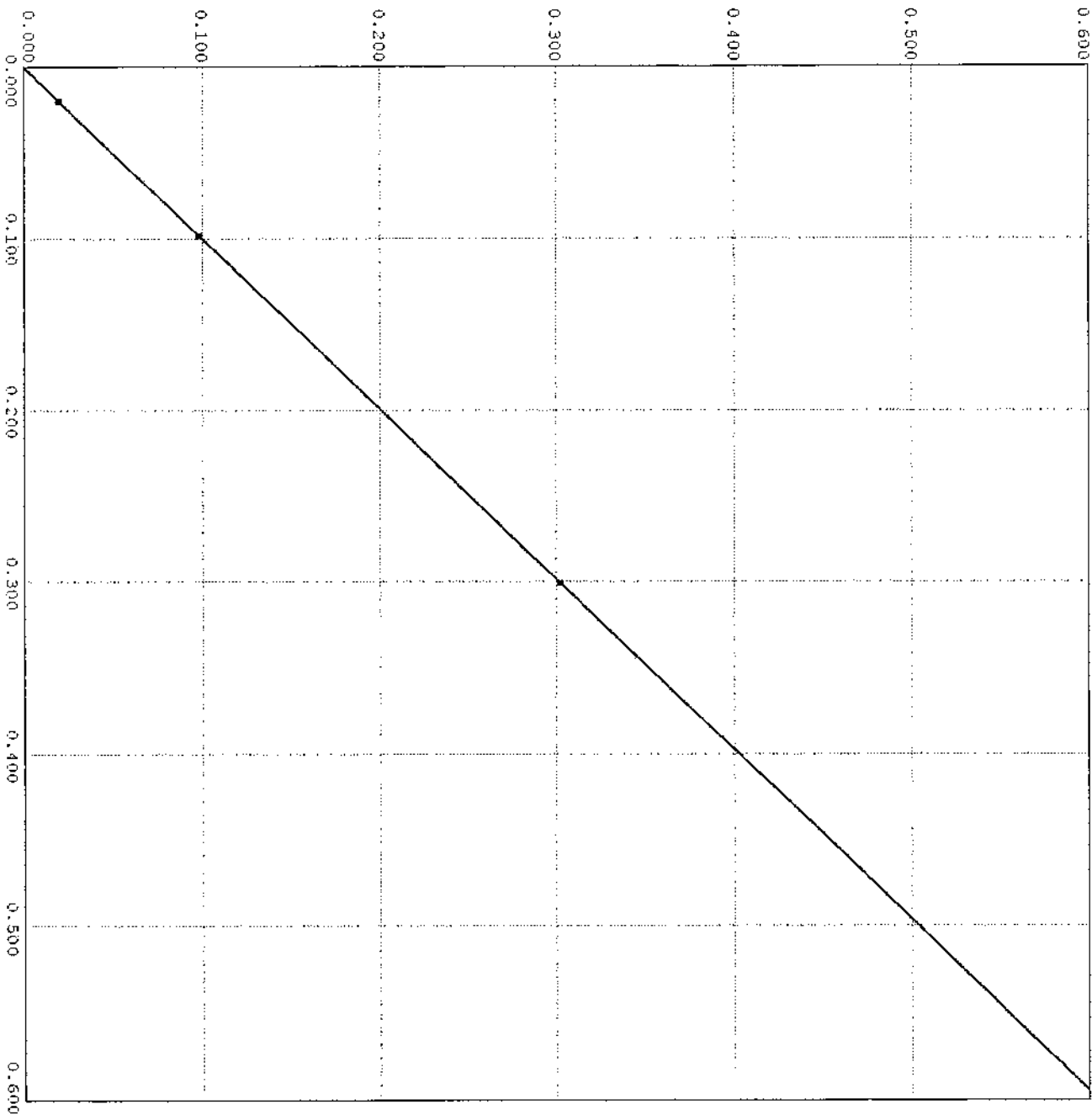
Date: 01/19/2018  
Time: 09:02:23

SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0004
0.098	0.0990	0.0000
0.300	0.3030	0.0010

SLOPE = 1.009980  
R<sup>2</sup> = 1.000000

BBB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

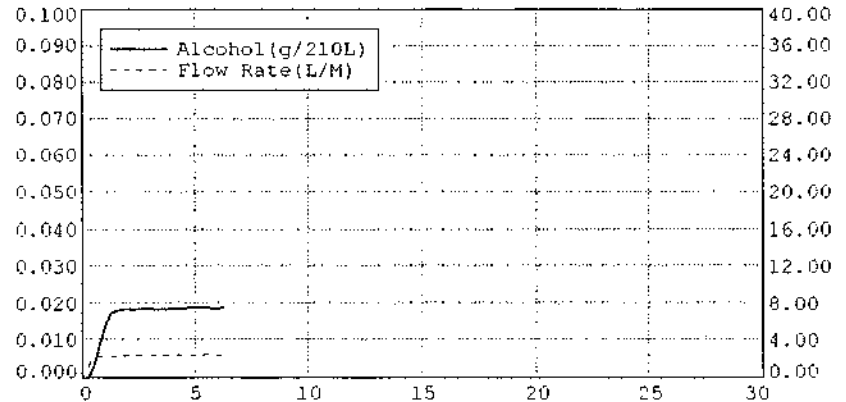
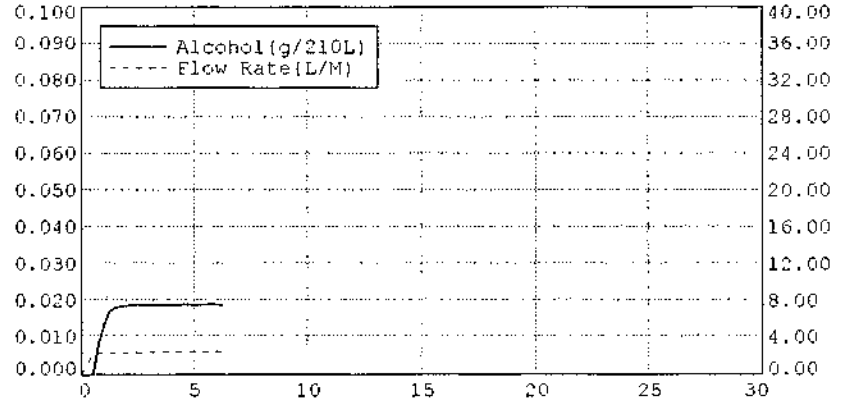
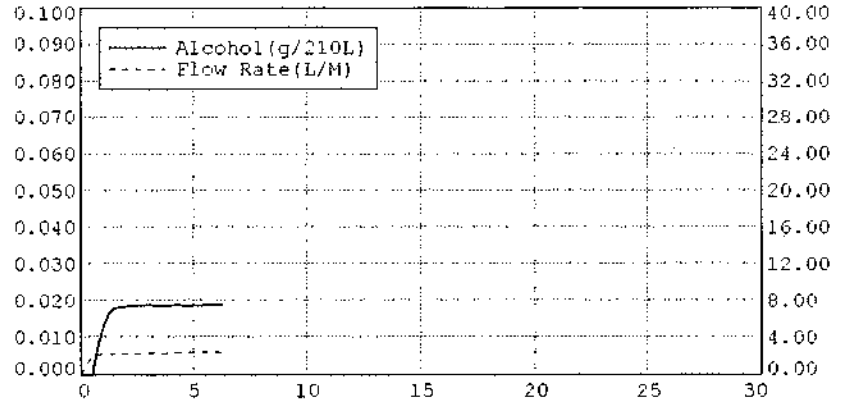
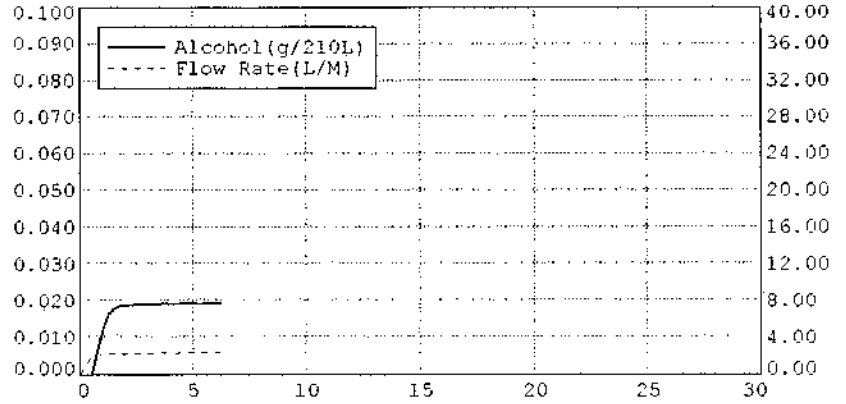
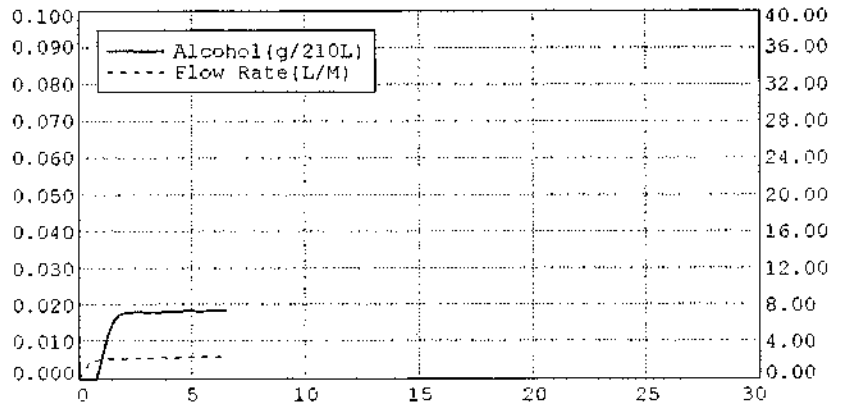
Date: 01/19/2018  
 Time: 09:02:25

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.34: 0.020  
 LOT #: AG616504  
 EXPIRATION: 06/13/2018  
 TANK PRESSURE: 1161 psi

BLANK TEST	0.000	09:03
INTERNAL STANDARD	VERIFIED	09:03
EXTERNAL STANDARD	0.020	09:03
BLANK TEST	0.000	09:04
EXTERNAL STANDARD	0.021	09:04
BLANK TEST	0.000	09:05
EXTERNAL STANDARD	0.020	09:06
BLANK TEST	0.000	09:06
EXTERNAL STANDARD	0.020	09:07
BLANK TEST	0.000	09:08
EXTERNAL STANDARD	0.020	09:08
BLANK TEST	0.000	09:09

Average = 0.0202  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100411

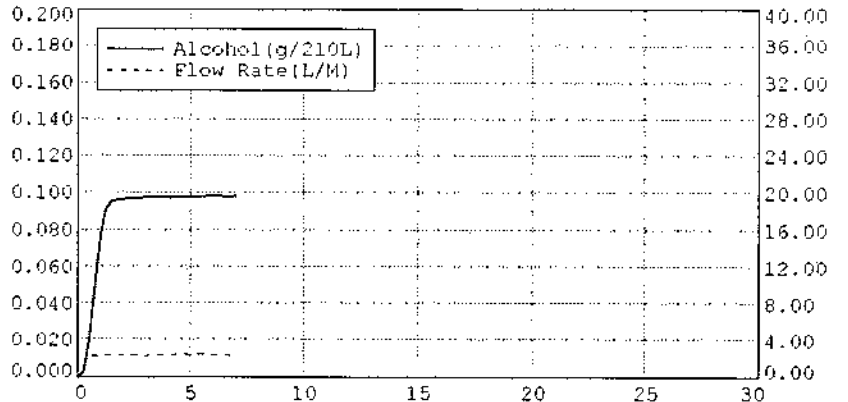
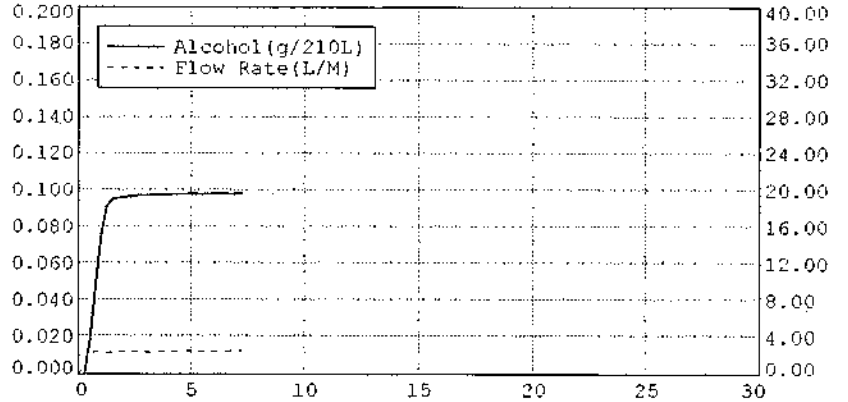
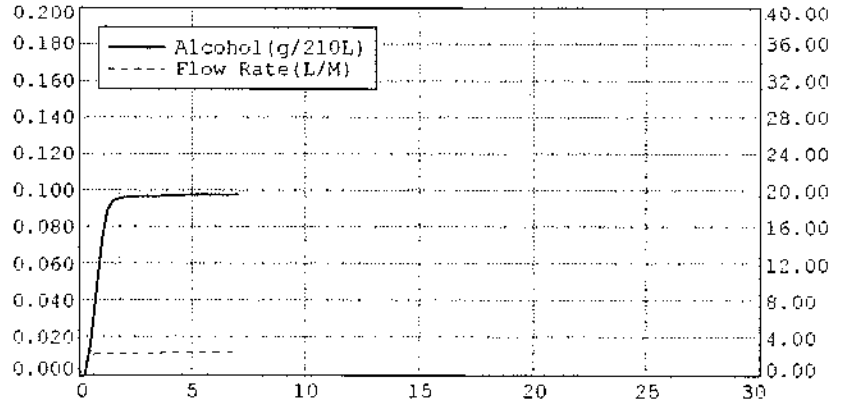
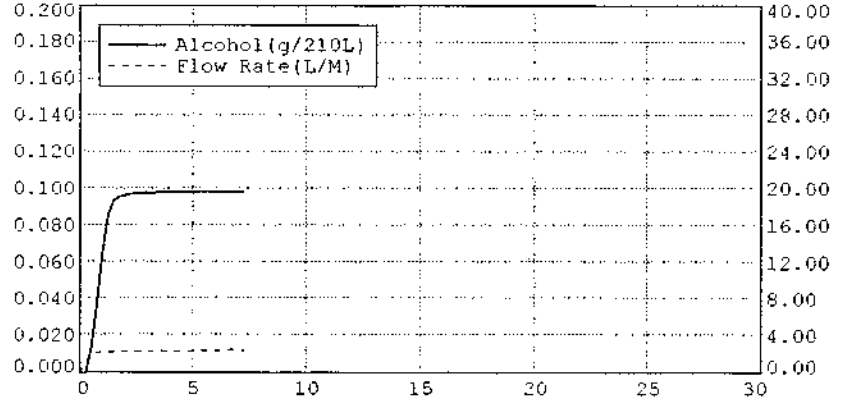
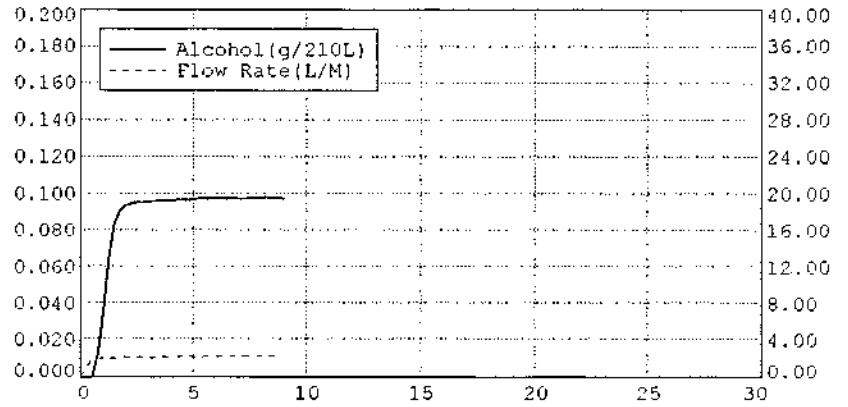
Date: 01/19/2018  
 Time: 09:10:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.34: 0.098  
 LOT #: AG629304  
 EXPIRATION: 10/19/2018  
 TANK PRESSURE: 715 psi

BLANK TEST	0.000	09:11
INTERNAL STANDARD	VERIFIED	09:11
EXTERNAL STANDARD	0.099	09:12
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.099	09:13
BLANK TEST	0.000	09:14
EXTERNAL STANDARD	0.099	09:14
BLANK TEST	0.000	09:15
EXTERNAL STANDARD	0.099	09:15
BLANK TEST	0.000	09:16
EXTERNAL STANDARD	0.099	09:16
BLANK TEST	0.000	09:17

Average = 0.0990  
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
DATAMASTER dmt: 100411

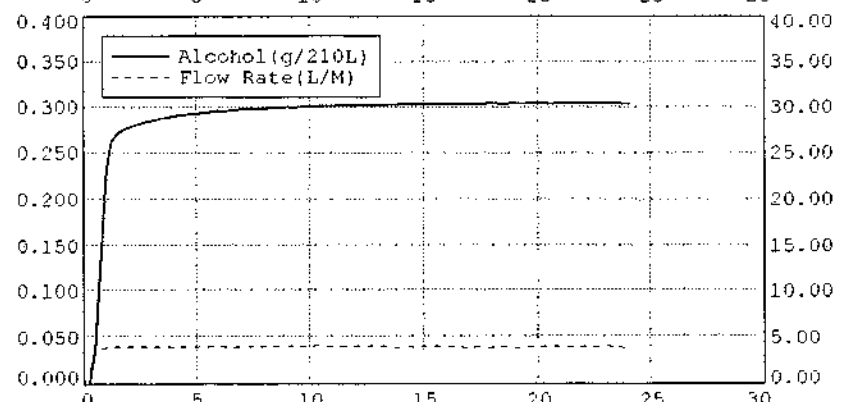
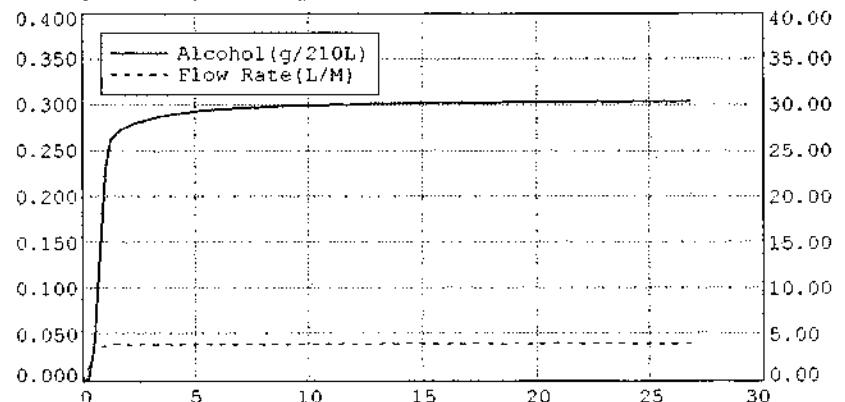
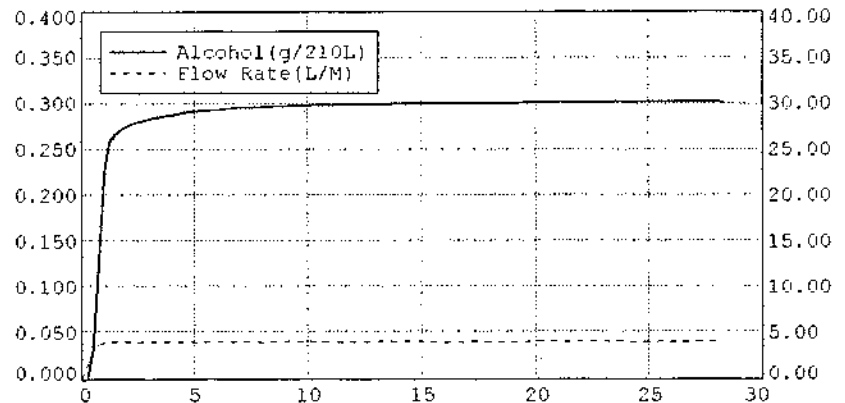
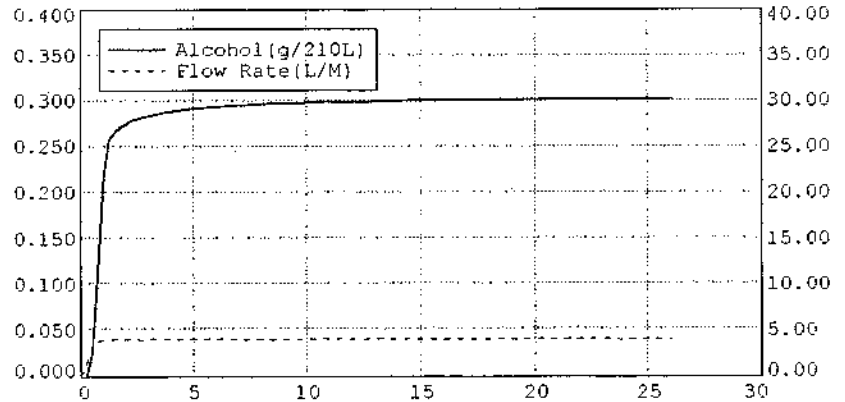
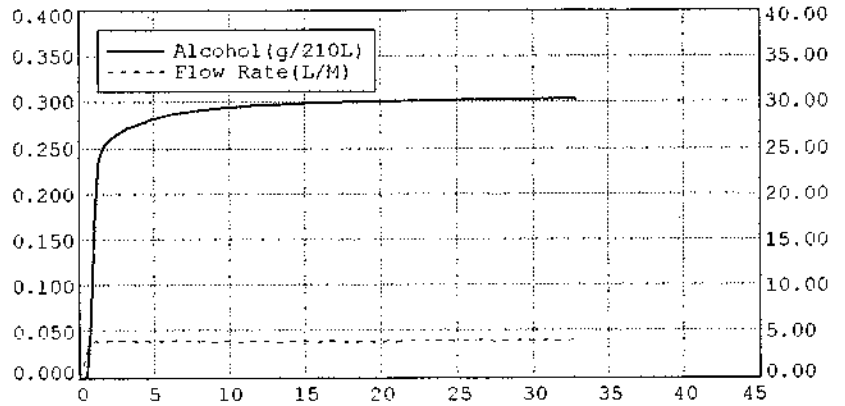
Date: 01/19/2018  
Time: 09:27:05

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.300  
LOT #: GUTH 17140  
EXPIRATION: 05/15/2019

BLANK TEST	0.000	09:29
INTERNAL STANDARD	VERIFIED	09:29
EXTERNAL STANDARD	0.303	09:30
BLANK TEST	0.000	09:31
EXTERNAL STANDARD	0.302	09:31
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.302	09:33
BLANK TEST	0.000	09:34
EXTERNAL STANDARD	0.304	09:34
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.304	09:36
BLANK TEST	0.000	09:37

Average = 0.3030  
Std Dev = 0.0010

Simulator: DR4162  
Calibrated: 03/27/17  
BMB 1/19/18



DIAGNOSTIC RECORD

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

Date: 01/19/2018  
Time: 09:09:56

VERSIONS  
DMT: 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.64 V PASSED  
(1.01 V - 2.37 V)  
Cooler Voltage = 1.73 V PASSED  
(1.00 V - 2.32 V)  
Bias Voltage = 80 V PASSED  
(47 V - 111 V)  
Chopper Freq = 547 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.3 in

PUMP INFO

Flow Rate = 4.677 L/M PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF PASSED  
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD PASSED  
Xq = 0.100 1.51% (0.00% - 4.00%)

Technician Screen

-----  
DATAMASTER dmt: 100671  
-----

Date: 01/19/2018  
Time: 9:17 AM

Temperatures (°C)

Sample Cell: 48.8°C  
Breath Tube: 47.9°C

Current Barometer 29.3 in  
Volume (Ltr) 0.00

Settings

Lamp: 1.67 V  
Bias: 80 V  
Cooler: 1.79 V  
Chopper: 545 Hz

Voltages (V)

Flow: 1.06 V  
Detector: 0.070 V



LINEARITY CHECK

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

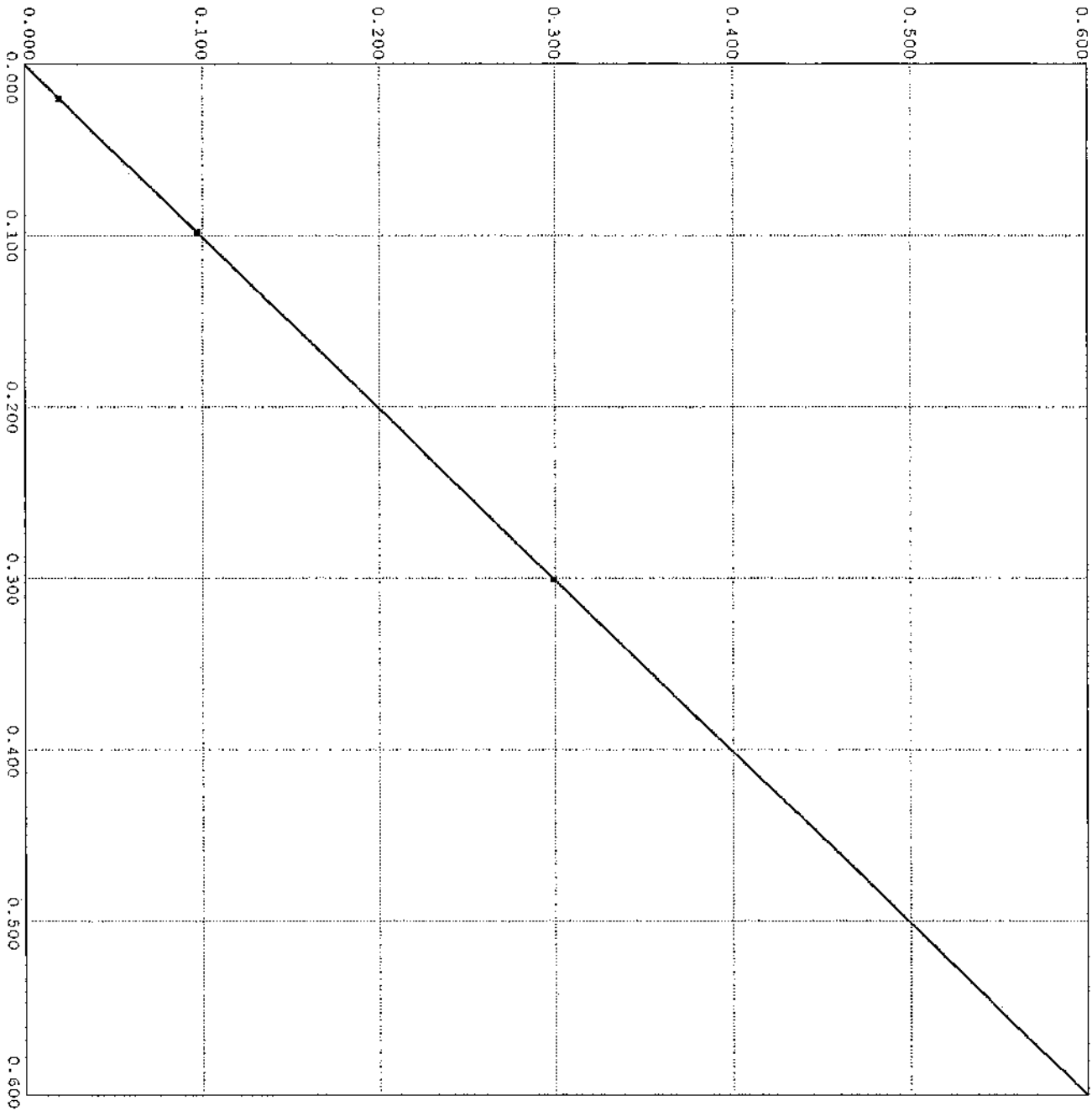
Date: 01/19/2018  
Time: 09:21:30

SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.098	0.0980	0.0000
0.300	0.3000	0.0007

SLOPE = 1.0000000  
R<sup>2</sup> = 1.0000000

*BB*



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

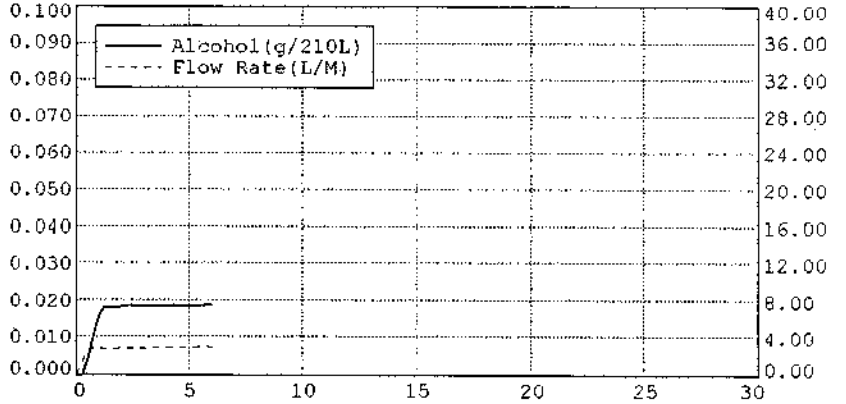
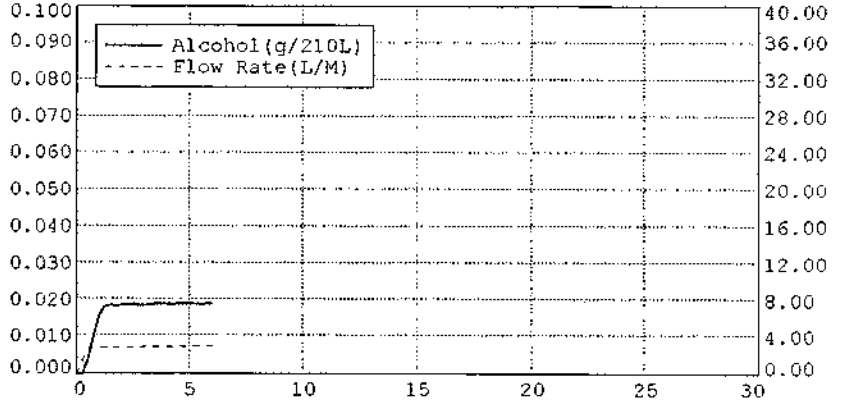
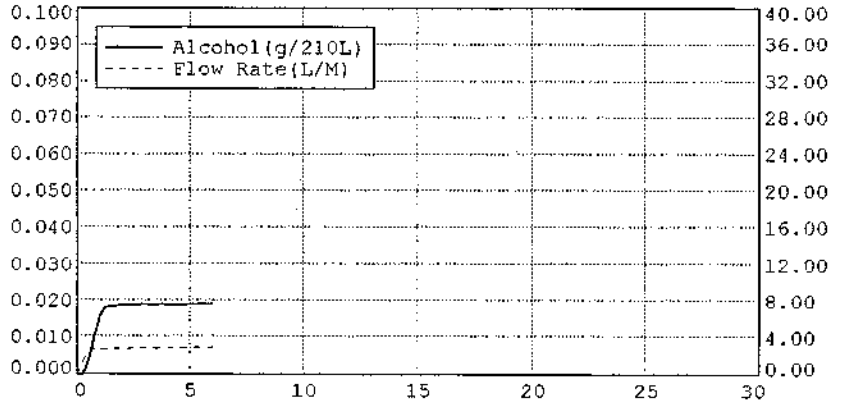
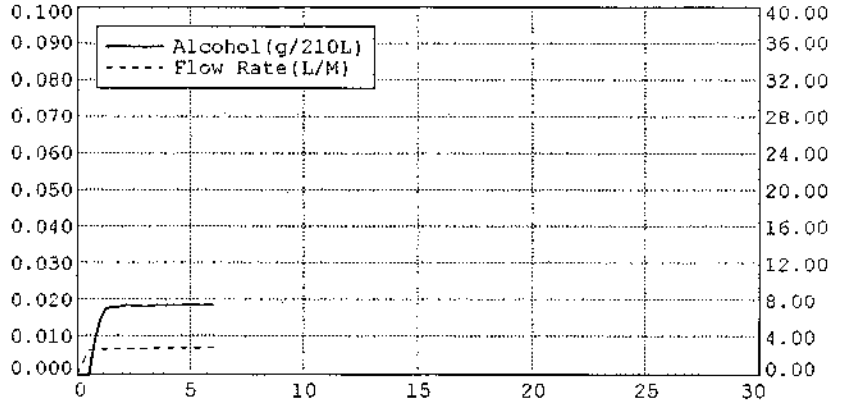
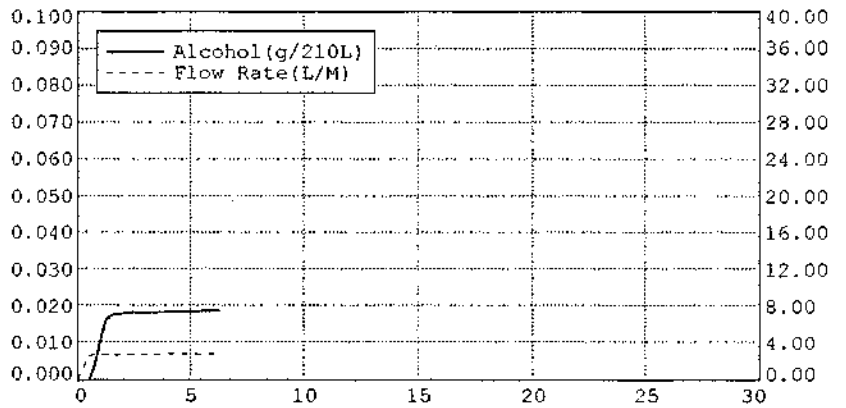
Date: 01/19/2018  
 Time: 09:21:32

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.33: 0.020  
 LOT #: AG616504  
 EXPIRATION: 06/13/2018  
 TANK PRESSURE: 1111 psi

BLANK TEST	0.000	09:22
INTERNAL STANDARD	VERIFIED	09:22
EXTERNAL STANDARD	0.020	09:23
BLANK TEST	0.000	09:24
EXTERNAL STANDARD	0.020	09:24
BLANK TEST	0.000	09:25
EXTERNAL STANDARD	0.020	09:25
BLANK TEST	0.000	09:26
EXTERNAL STANDARD	0.020	09:26
BLANK TEST	0.000	09:27
EXTERNAL STANDARD	0.020	09:27
BLANK TEST	0.000	09:28

Average = 0.0200  
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

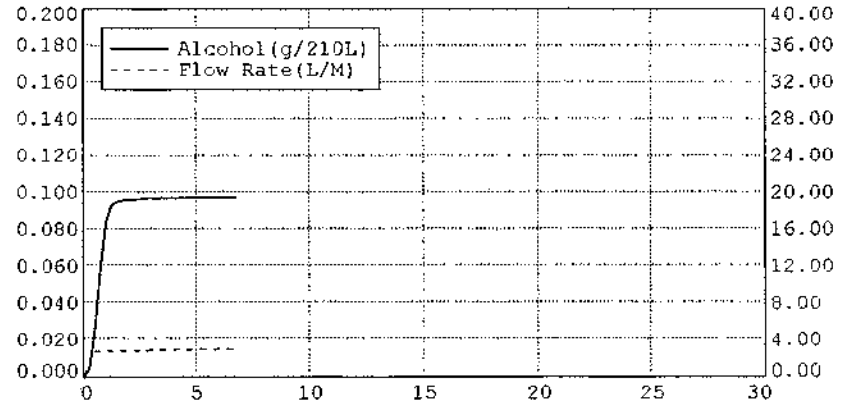
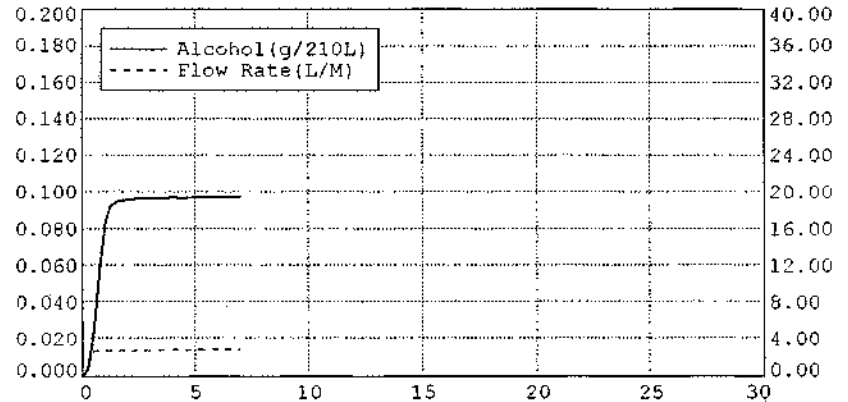
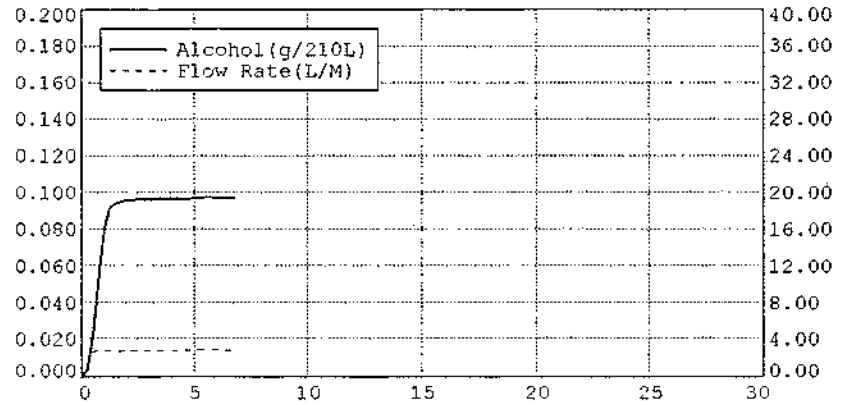
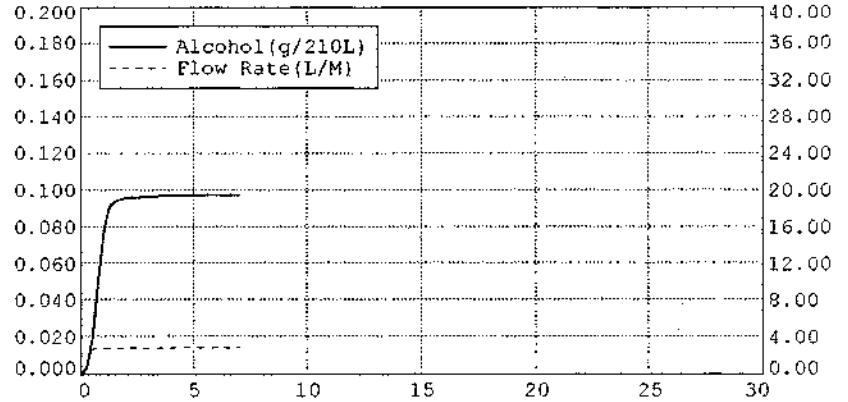
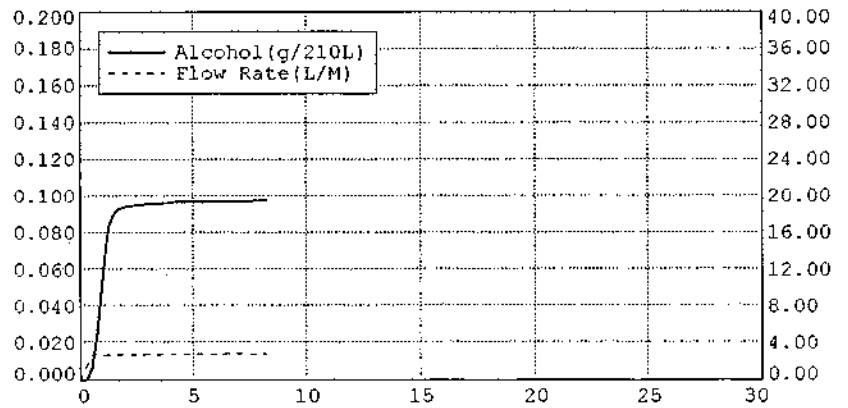
Date: 01/19/2018  
 Time: 09:29:01

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.33: 0.098  
 LOT #: AG629304  
 EXPIRATION: 10/19/2018  
 TANK PRESSURE: 1140 psi

BLANK TEST	0.000	09:30
INTERNAL STANDARD	VERIFIED	09:31
EXTERNAL STANDARD	0.098	09:31
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.098	09:32
BLANK TEST	0.000	09:33
EXTERNAL STANDARD	0.098	09:33
BLANK TEST	0.000	09:34
EXTERNAL STANDARD	0.098	09:34
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.098	09:35
BLANK TEST	0.000	09:36

Average = 0.0980  
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

Date: 01/19/2018  
 Time: 10:06:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300  
 LOT #: GUTH 17140  
 EXPIRATION: 05/15/2019

BLANK TEST	0.000	10:07
INTERNAL STANDARD	VERIFIED	10:07
EXTERNAL STANDARD	0.300	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.300	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.300	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.301	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.299	10:14
BLANK TEST	0.000	10:15

Average = 0.3000  
 Std Dev = 0.0007

Simulator: DR4162

Calibrated: 03/27/17

BMB 1/19/18

