



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: 19-Sep-2018

Lot # AG826101 **Model** 108cadd

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
18-Sep-2020	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: 2018.09.19 13:21:11 -05:00
Reason: Dry gas standard certification of analysis
Location: Airgas USA LLC (Lab)

Approved for Release:


Rod Marsala

ISO 17025:2005 A2LA accredited. Certificate Number 3082.06

SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 10/19/2018
 Time: 13:38:09

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.67: 0.077
 TANK PRESSURE: 1209 psi

BLANK TEST	0.000	13:39
INTERNAL STANDARD	VERIFIED	13:39
EXTERNAL STANDARD	0.077	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.077	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.077	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.077	13:43
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.077	13:44
BLANK TEST	0.000	13:45

Average = 0.0770
 Std Dev = 0.0000

Lot AG826101
 Tank # 098

Exp. 09/18/2020

DW 10/19/18

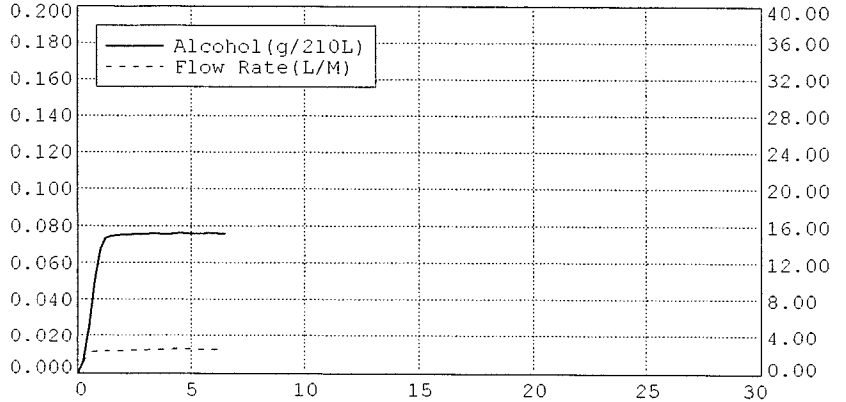
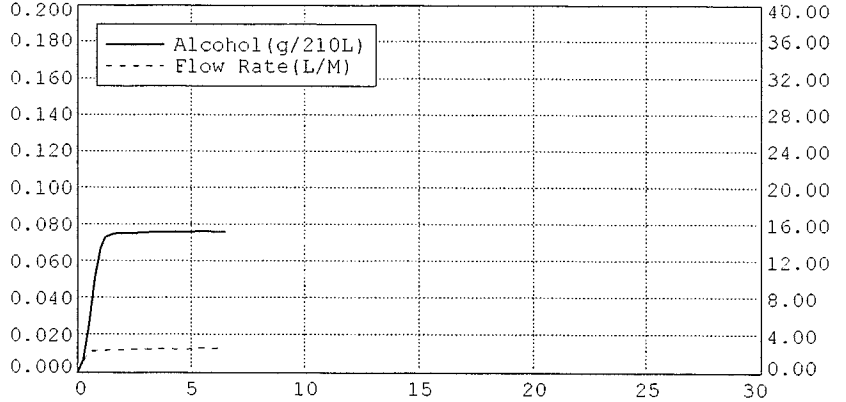
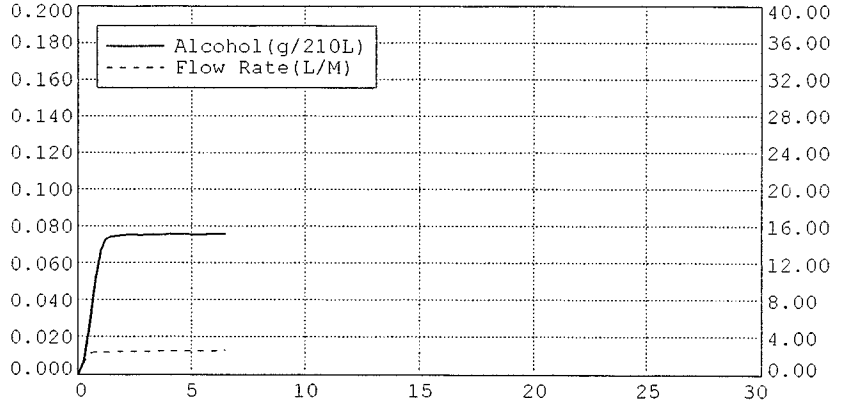
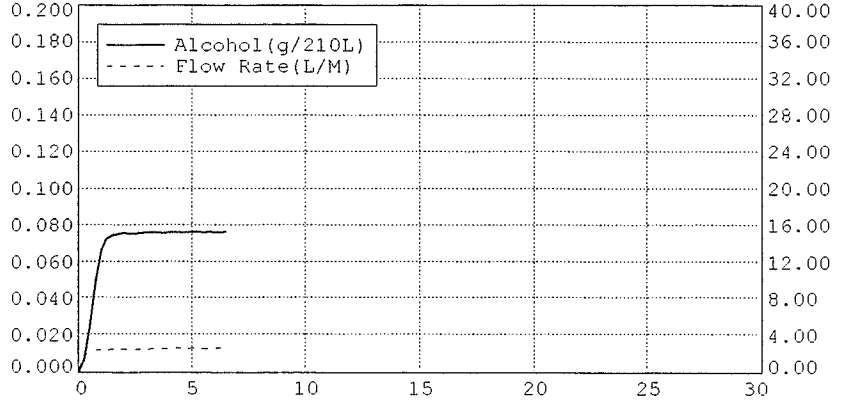
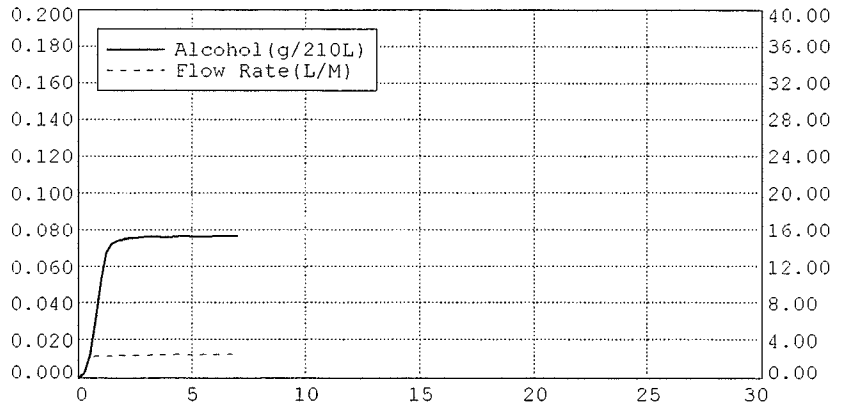
0.0770

0.0772

0.0764

Avg = ~~0.0769~~ 0.077
 DW 10/19/18

Target: 0.077



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 10/19/2018
Time: 13:31:04

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 28.68: 0.077
TANK PRESSURE: 1197 psi

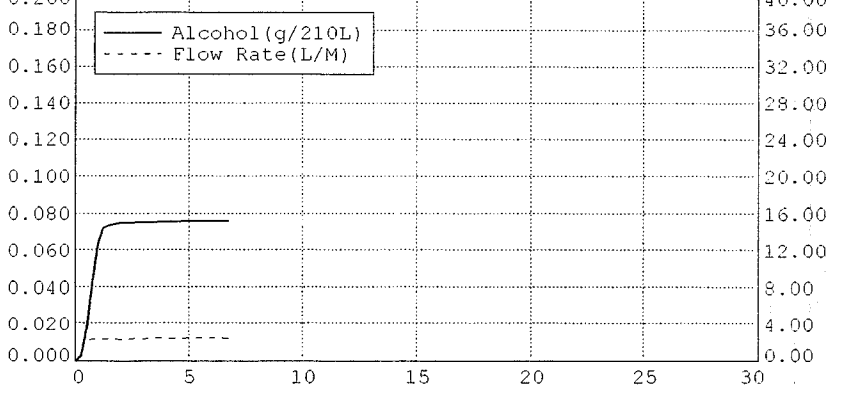
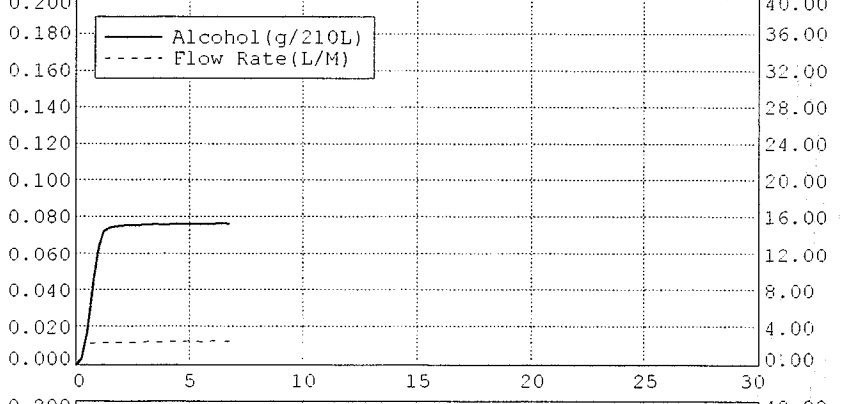
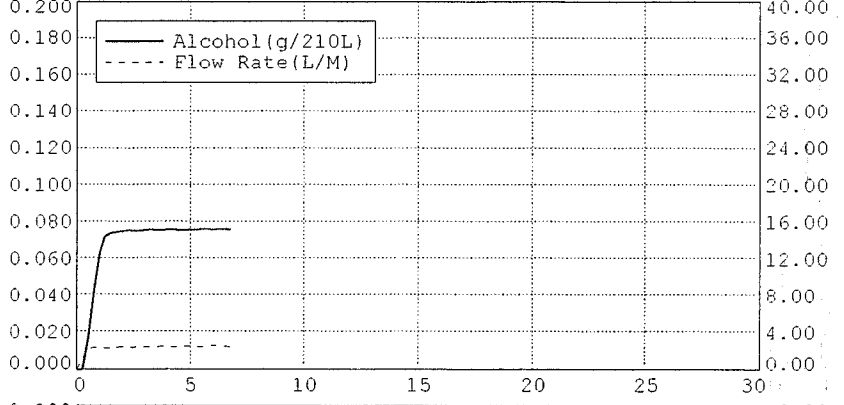
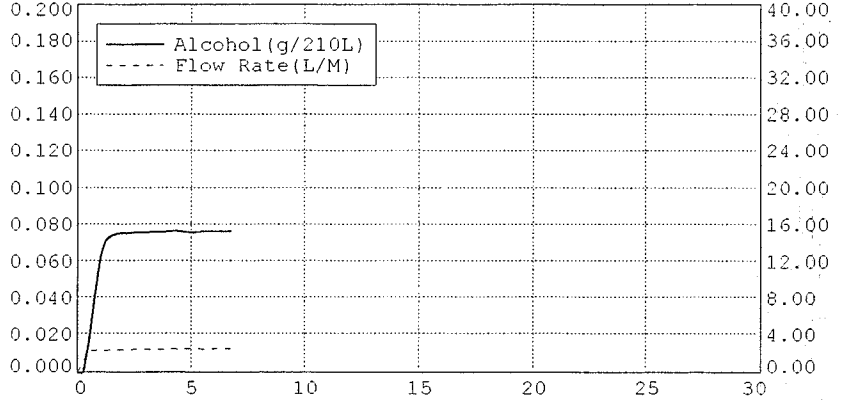
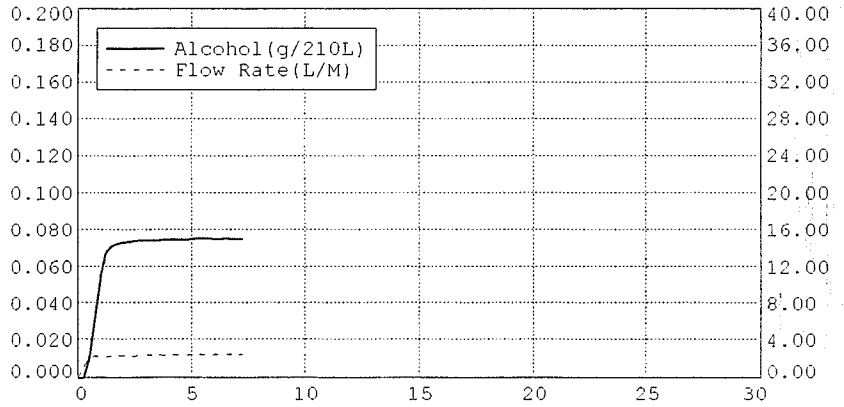
BLANK TEST	0.000	13:32
INTERNAL STANDARD	VERIFIED	13:32
EXTERNAL STANDARD	0.077	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.077	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.077	13:34
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.078	13:35
BLANK TEST	0.000	13:36
EXTERNAL STANDARD	0.077	13:37
BLANK TEST	0.000	13:37

Average = 0.0772
Std Dev = 0.0004

Lot AG826101
Tank # 098

Exp. 09/18/2020

DW 10/19/18



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

Date: 10/19/2018
 Time: 14:08:18

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.68: 0.077
 TANK PRESSURE: 1182 psi

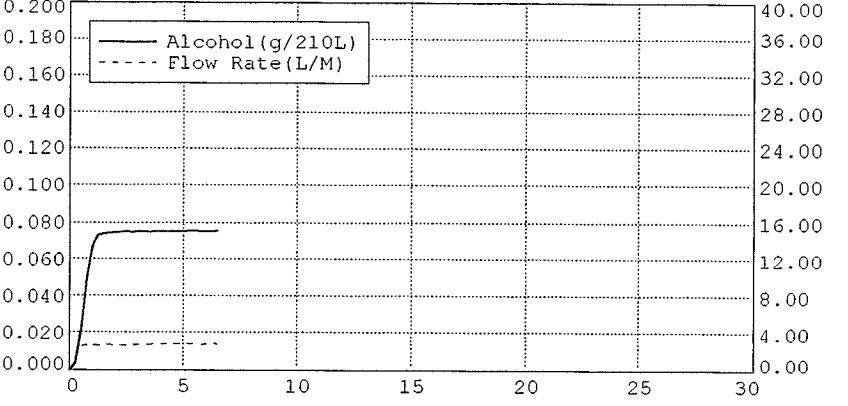
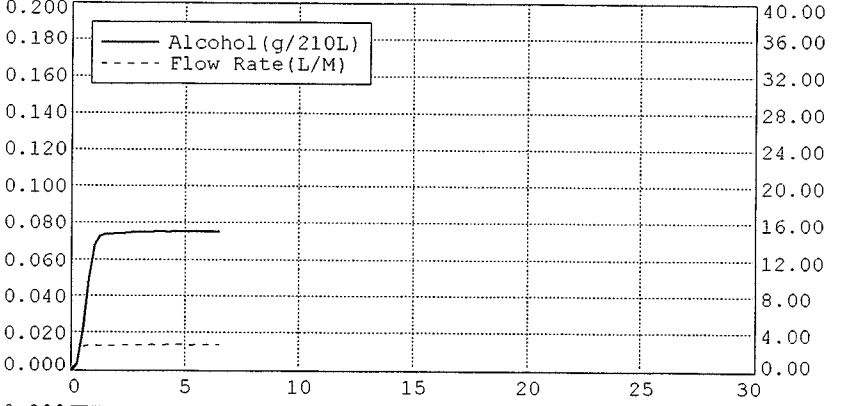
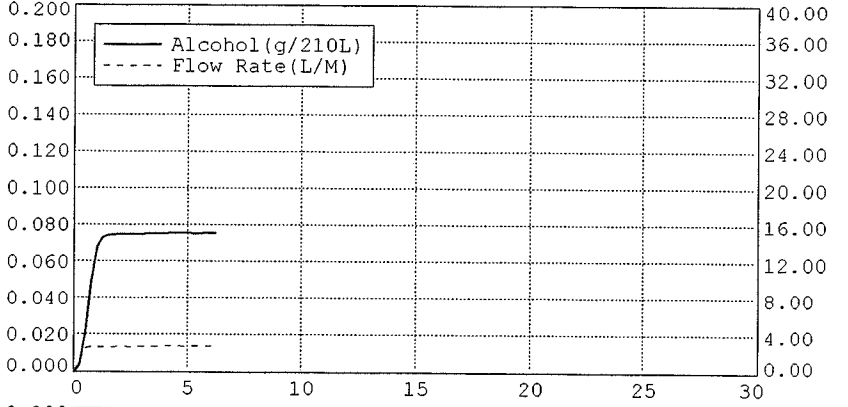
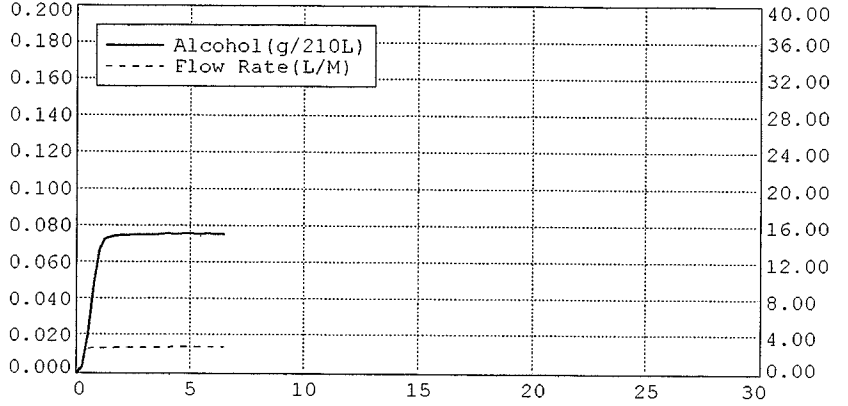
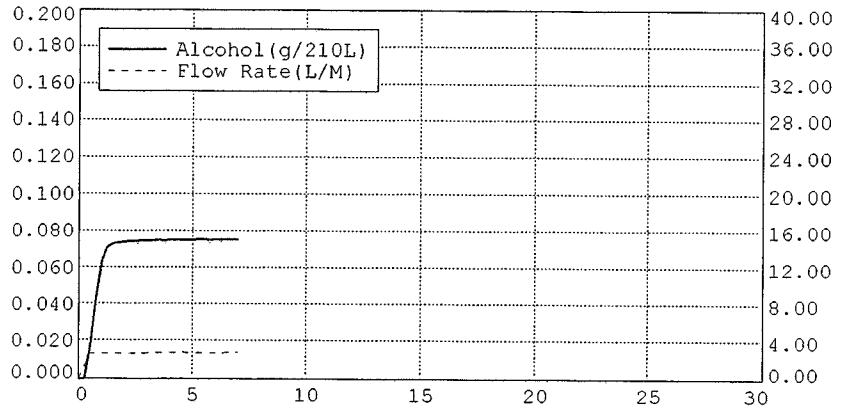
BLANK TEST	0.000	14:09
INTERNAL STANDARD	VERIFIED	14:09
EXTERNAL STANDARD	0.076	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.076	14:10
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.077	14:11
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.077	14:13
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.076	14:14
BLANK TEST	0.000	14:15

Average = 0.0764
 Std Dev = 0.0005

*Lot AG826101
 Tank #098*

Exp. 09/18/2020

DW 10/19/18



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 10/19/2018
 Time: 14:08:27

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.68: 0.077
 TANK PRESSURE: 1168 psi

BLANK TEST	0.000	14:09
INTERNAL STANDARD	VERIFIED	14:09
EXTERNAL STANDARD	0.077	14:09
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.077	14:10
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.077	14:12
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.077	14:13
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.077	14:14
BLANK TEST	0.000	14:15

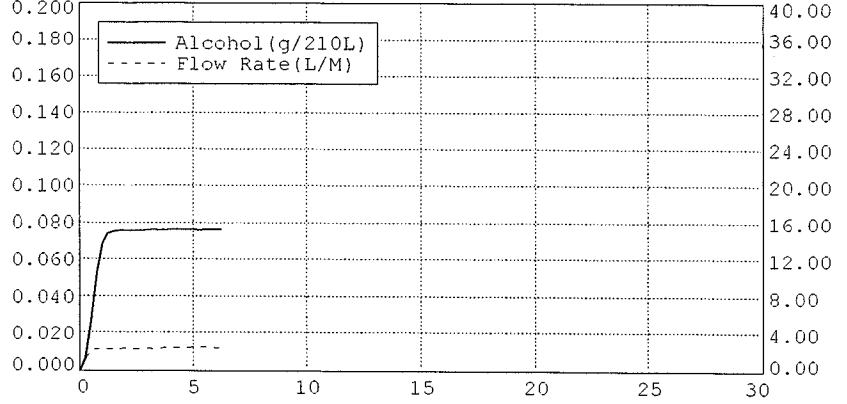
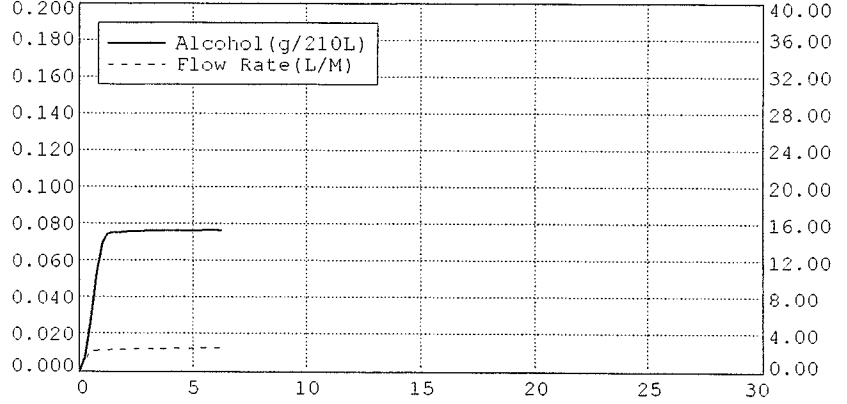
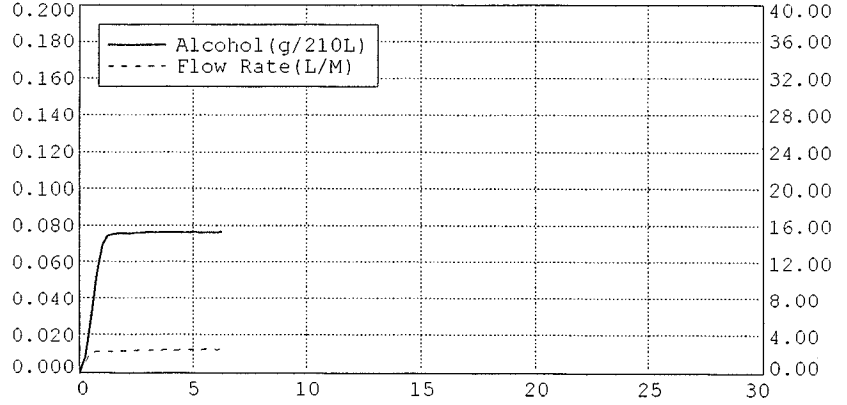
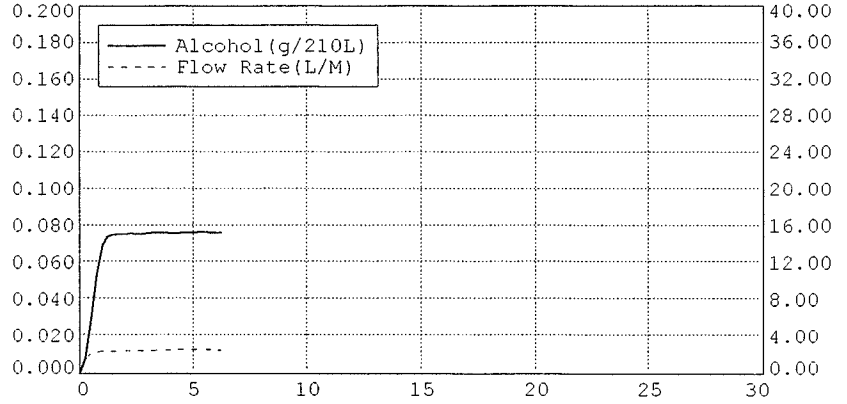
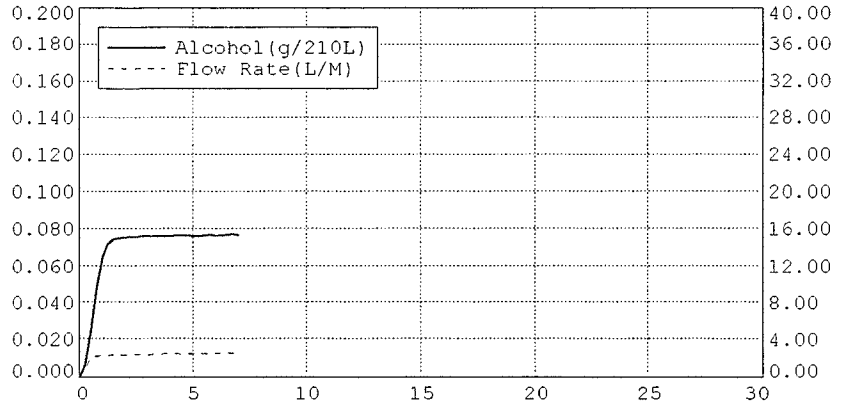
Average = 0.0770
 Std Dev = 0.0000

*Lot AG826101
 Tank #099
 Exp. 09/18/2020*

DW 10/19/18

*0.0770
 0.0778
 0.0762
 Avg = 0.077*

Target = 0.077



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 10/19/2018
 Time: 13:19:59

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.66: 0.077
 TANK PRESSURE: 1205 psi

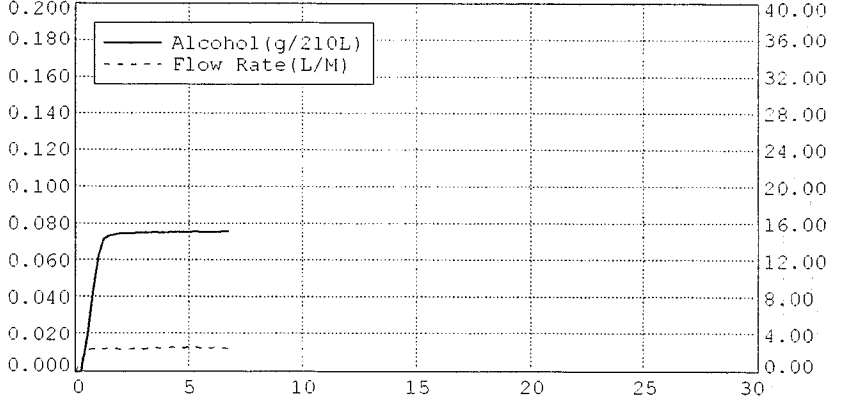
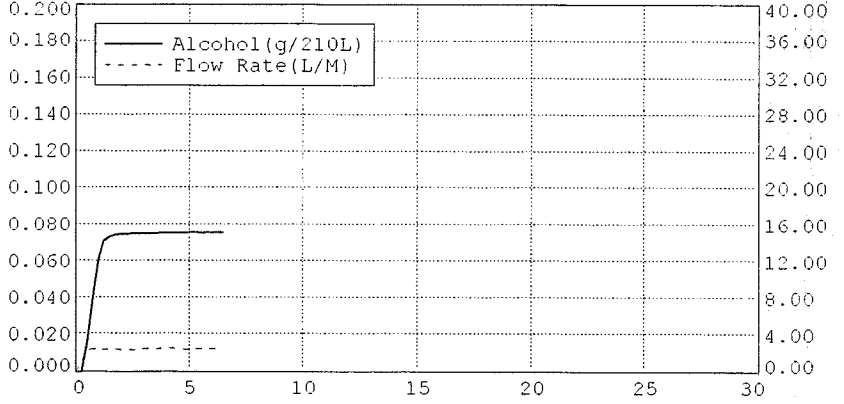
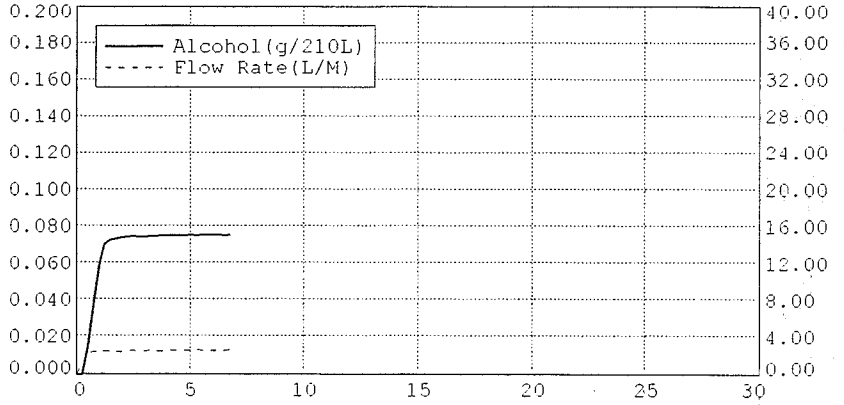
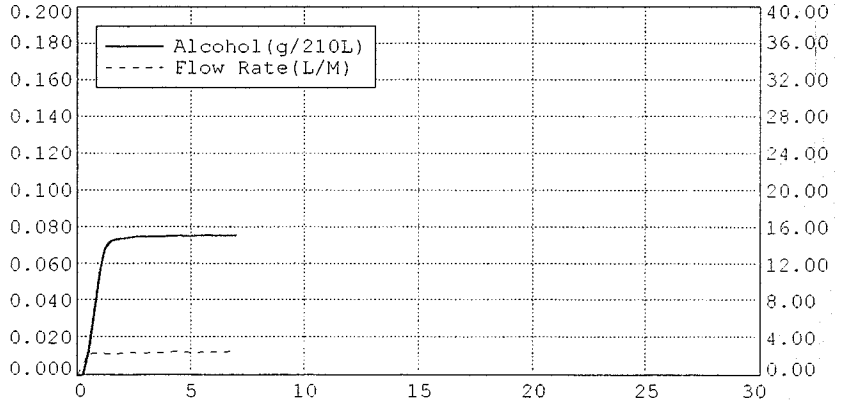
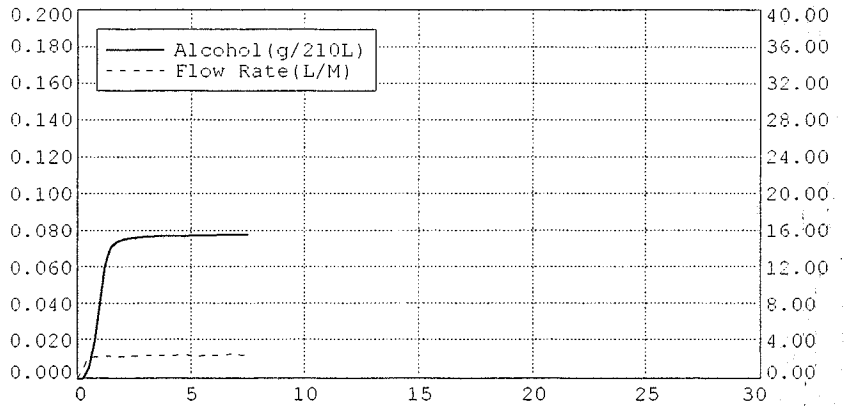
BLANK TEST	0.000	13:21
INTERNAL STANDARD	VERIFIED	13:21
EXTERNAL STANDARD	0.079	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.077	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.077	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.079	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.077	13:25
BLANK TEST	0.000	13:26

Average = 0.0778
 Std Dev = 0.0011

*Lot AG826101
 Tank # 099*

Exp. 09/18/2020

DW 10/19/18



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

Date: 10/19/2018
 Time: 13:59:01

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

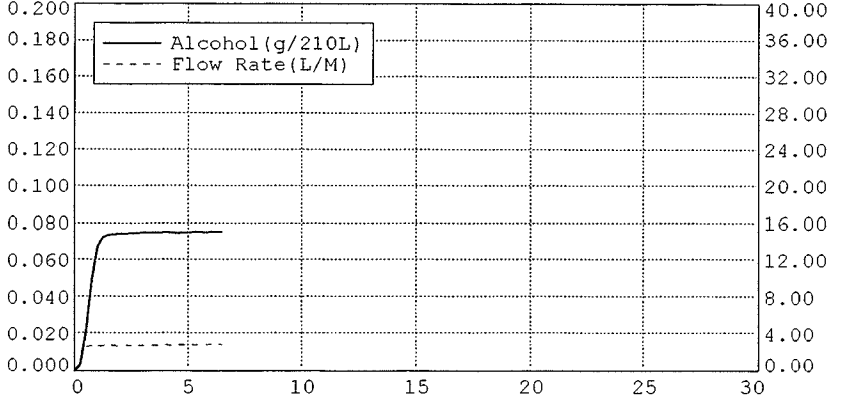
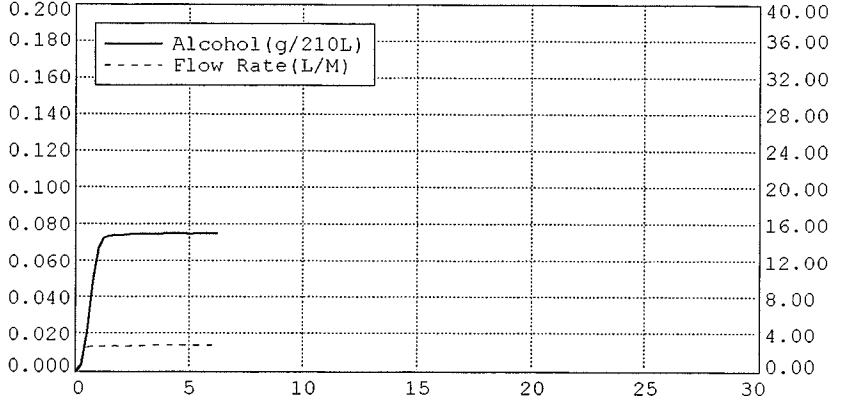
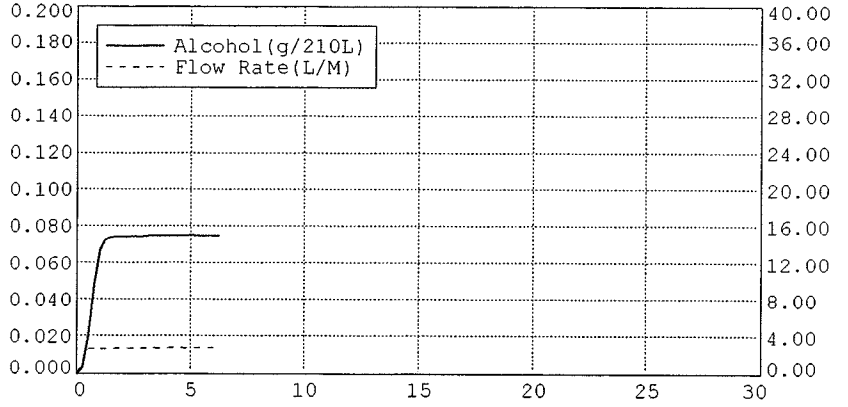
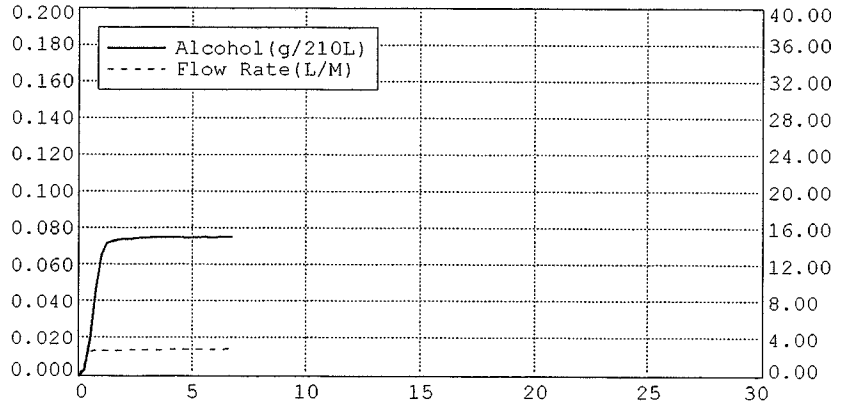
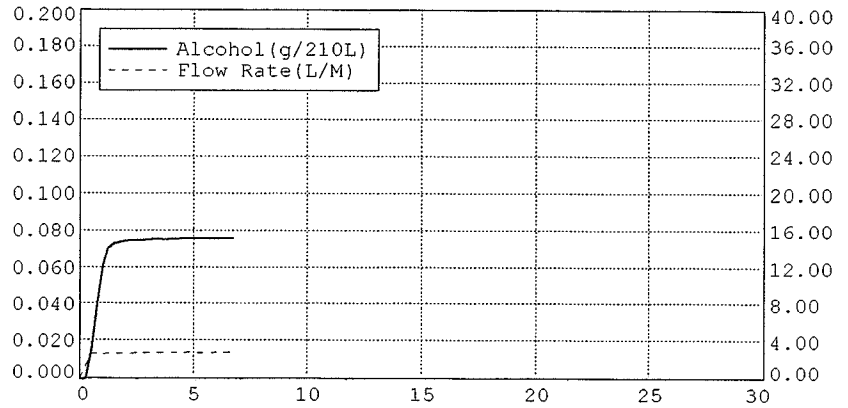
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.68: 0.077
 TANK PRESSURE: 1196 psi

BLANK TEST	0.000	14:00
INTERNAL STANDARD	VERIFIED	14:00
EXTERNAL STANDARD	0.077	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.076	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.076	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.076	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.076	14:05
BLANK TEST	0.000	14:05

Average = 0.0762
 Std Dev = 0.0004

*Lot AG826101
 Tank # 099
 Exp. 09/18/2020*

DW 10/19/18



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 10/19/2018
 Time: 13:51:38

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.68: 0.077
 TANK PRESSURE: 1198 psi

BLANK TEST	0.000	13:59
INTERNAL STANDARD	VERIFIED	13:59
EXTERNAL STANDARD	0.078	13:59
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.077	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.077	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.077	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.077	14:04
BLANK TEST	0.000	14:04

Average = 0.0772
 Std Dev = 0.0004

*Lot A6826101
 Tank #100
 Exp. 09/18/2020*

DM 10/19/18

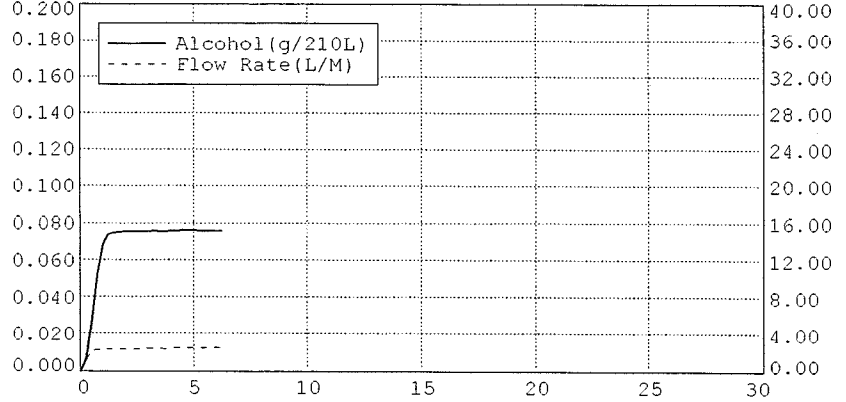
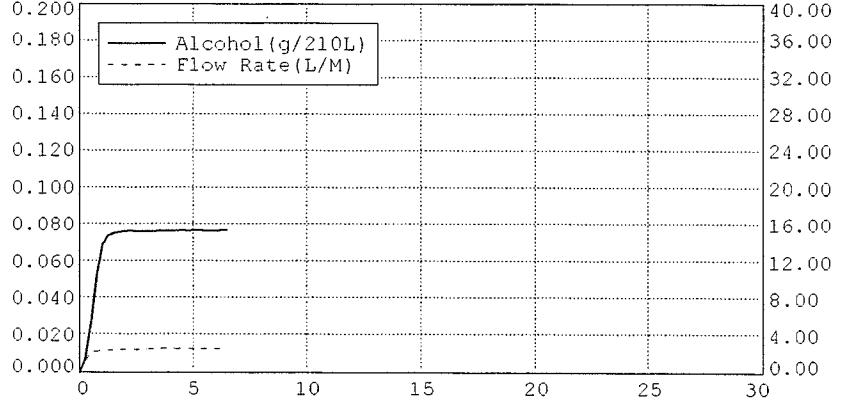
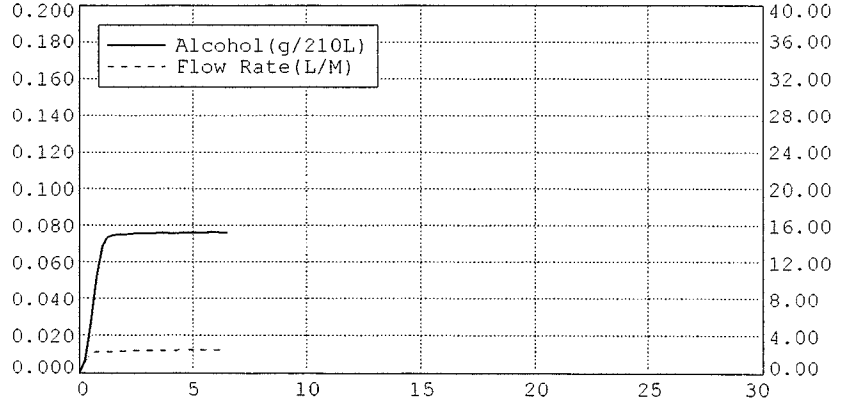
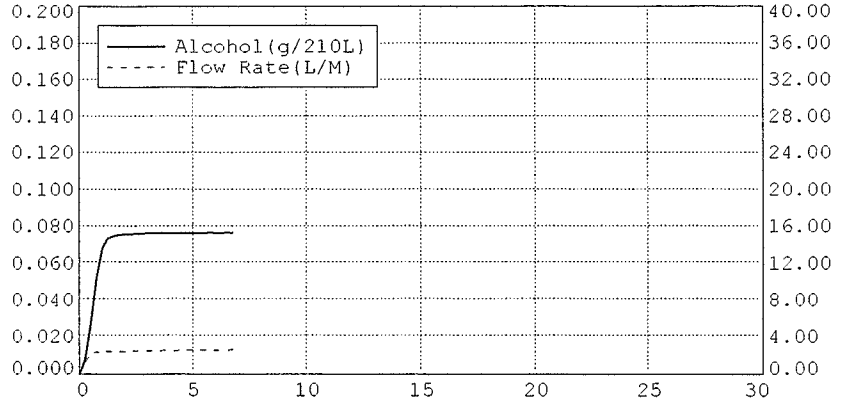
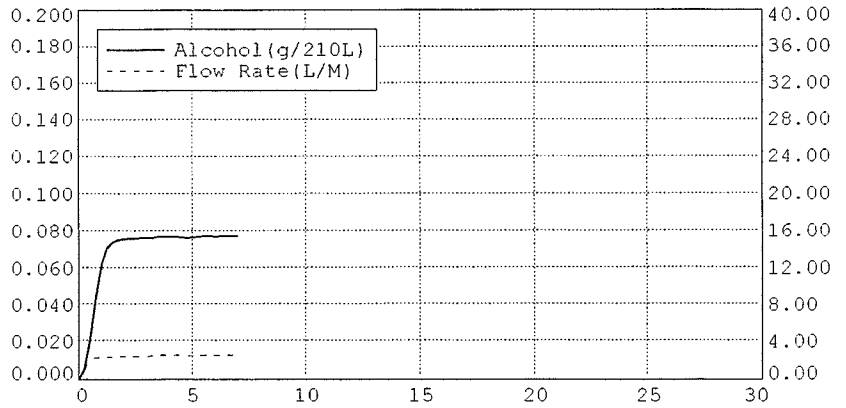
0.0772

0.0774

0.0764

Avg = 0.077

Target = 0.077



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 10/19/2018
 Time: 13:48:44

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

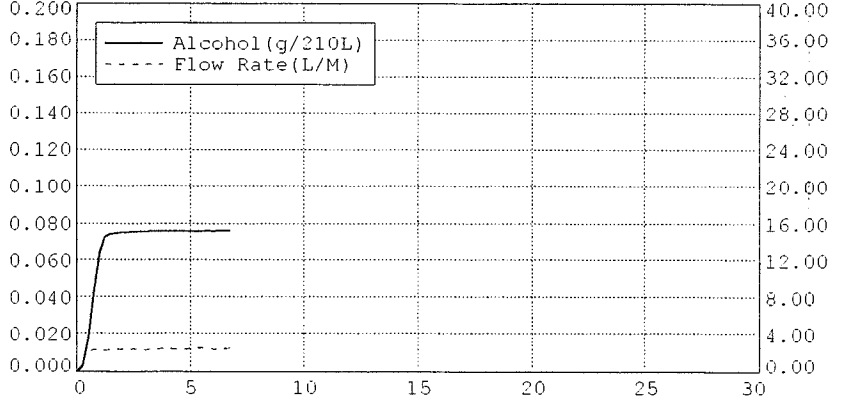
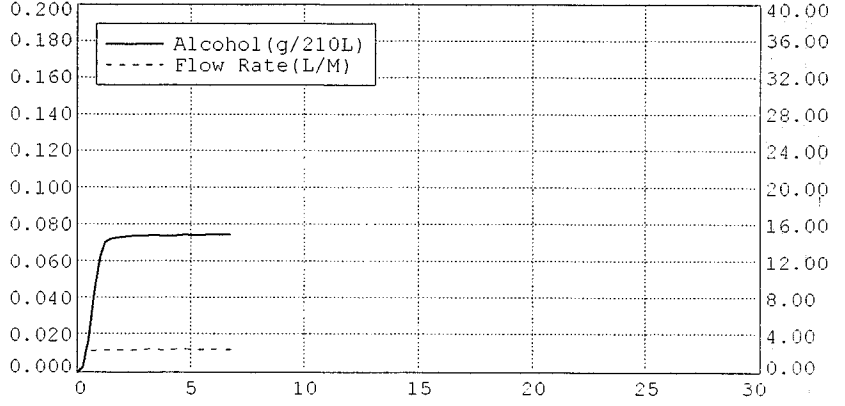
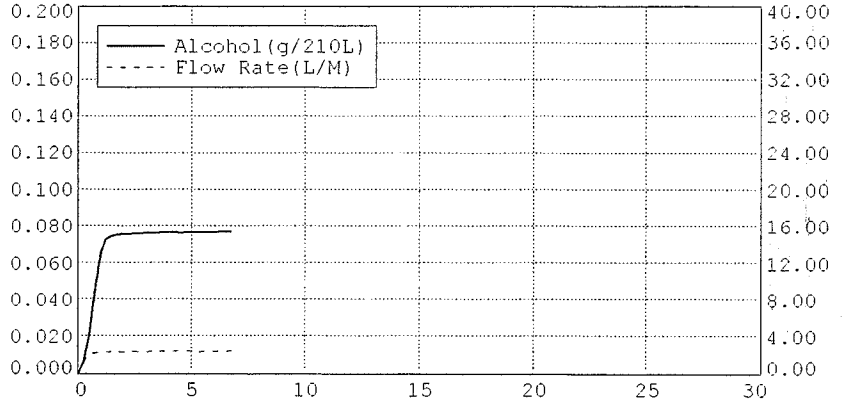
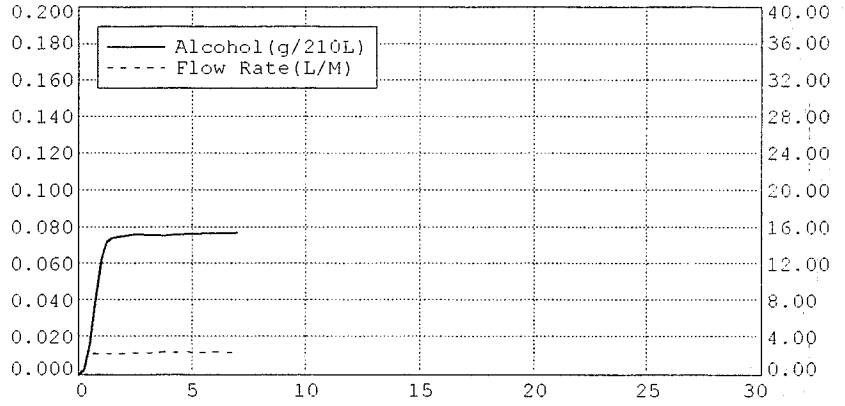
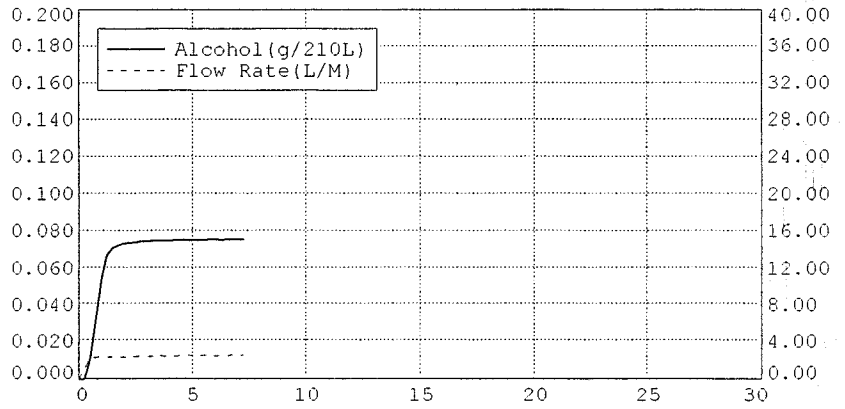
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 28.68: 0.077
 TANK PRESSURE: 1177 psi

BLANK TEST	0.000	13:49
INTERNAL STANDARD	VERIFIED	13:49
EXTERNAL STANDARD	0.077	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.078	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.078	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.076	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.078	13:54
BLANK TEST	0.000	13:55

Average = 0.0774
 Std Dev = 0.0009

*Lot AG826101
 Tank #100
 Exp. 09/18/2020*

*DW
 10/19/18*



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

Date: 10/19/2018
 Time: 13:48:51

SUPERVISOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 28.67: 0.077
 TANK PRESSURE: 1211 psi

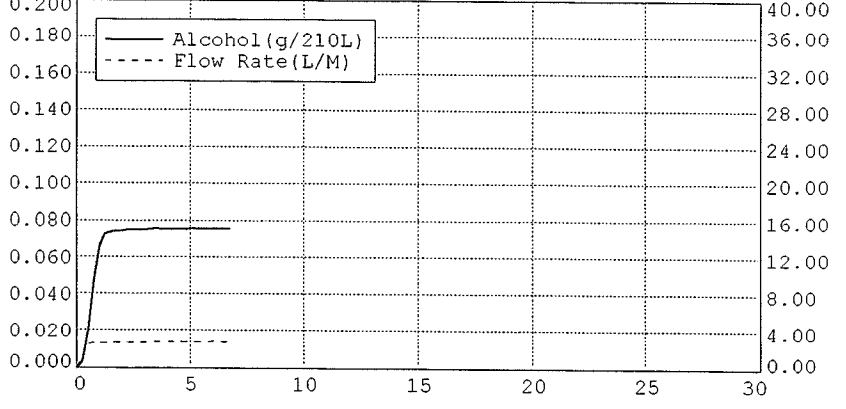
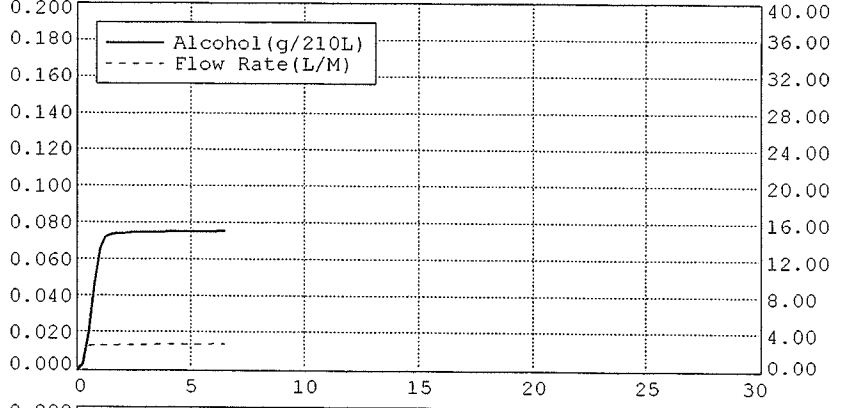
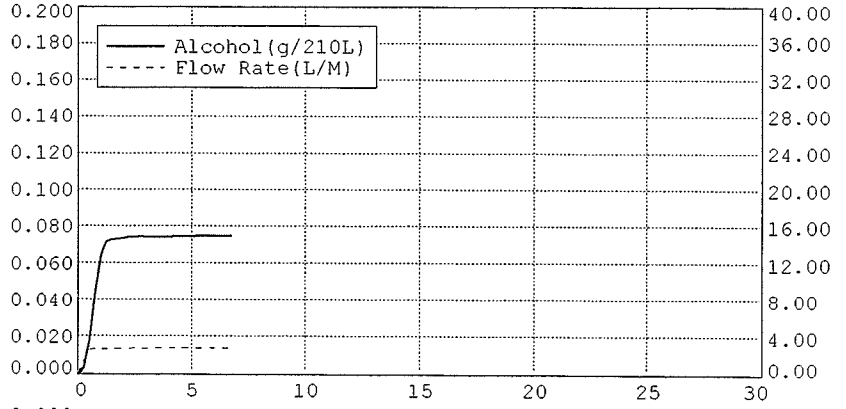
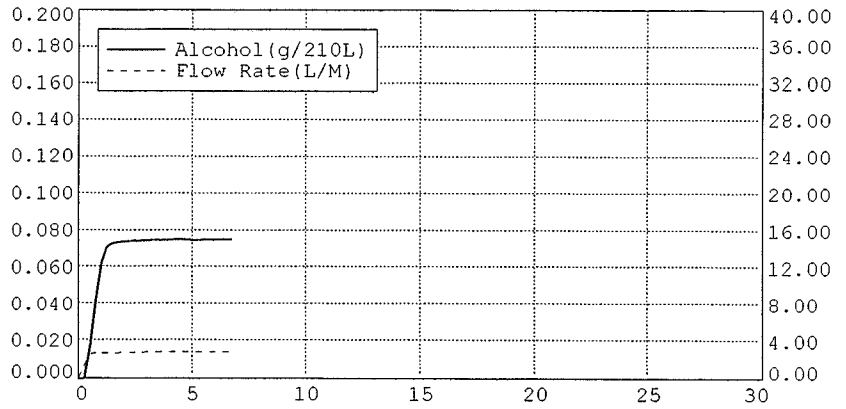
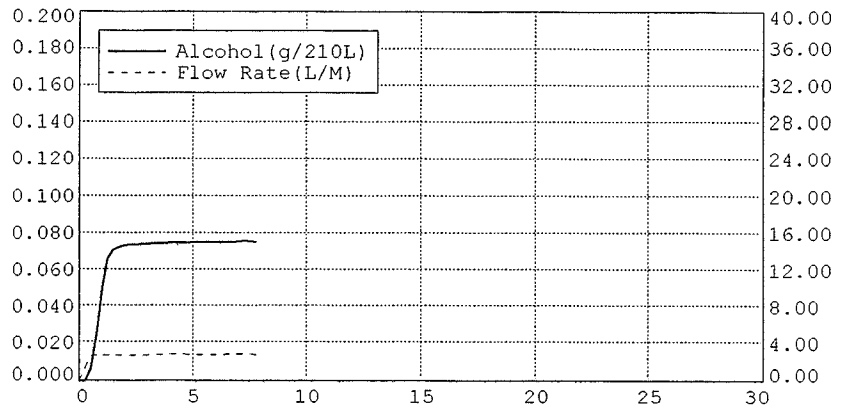
BLANK TEST	0.000	13:49
INTERNAL STANDARD	VERIFIED	13:49
EXTERNAL STANDARD	0.076	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.076	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.076	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.077	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.077	13:54
BLANK TEST	0.000	13:55

Average = 0.0764
 Std Dev = 0.0005

*Lot AG826101
 Tank # 100*

Exp. 09/18/2020

*DM
 10/19/18*



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100353

Date: 10/19/2018
Time: 10:31:03

VERSIONS

DMT: 3.02
PIC: 3.02
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 = 2.33 V PASSED
(1.30 V - 3.04 V)
Cooler Voltage = 1.92 V PASSED
(1.26 V - 2.94 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 538 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.7 in

PUMP INFO

Flow Rate = 4.478 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
(0.001 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.094 0.28% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100353

Date: 10/19/2018
Time: 1:29 PM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 48.1°C

Current Barometer 28.7 in
Volume (Ltr) 0.00

Settings

Lamp: 2.33 V
Bias: 80 V
Cooler: 1.92 V
Chopper: 537 Hz

Voltages (V)

Flow: 1.06 V
Detector: -0.023 V

LINEARITY CHECK

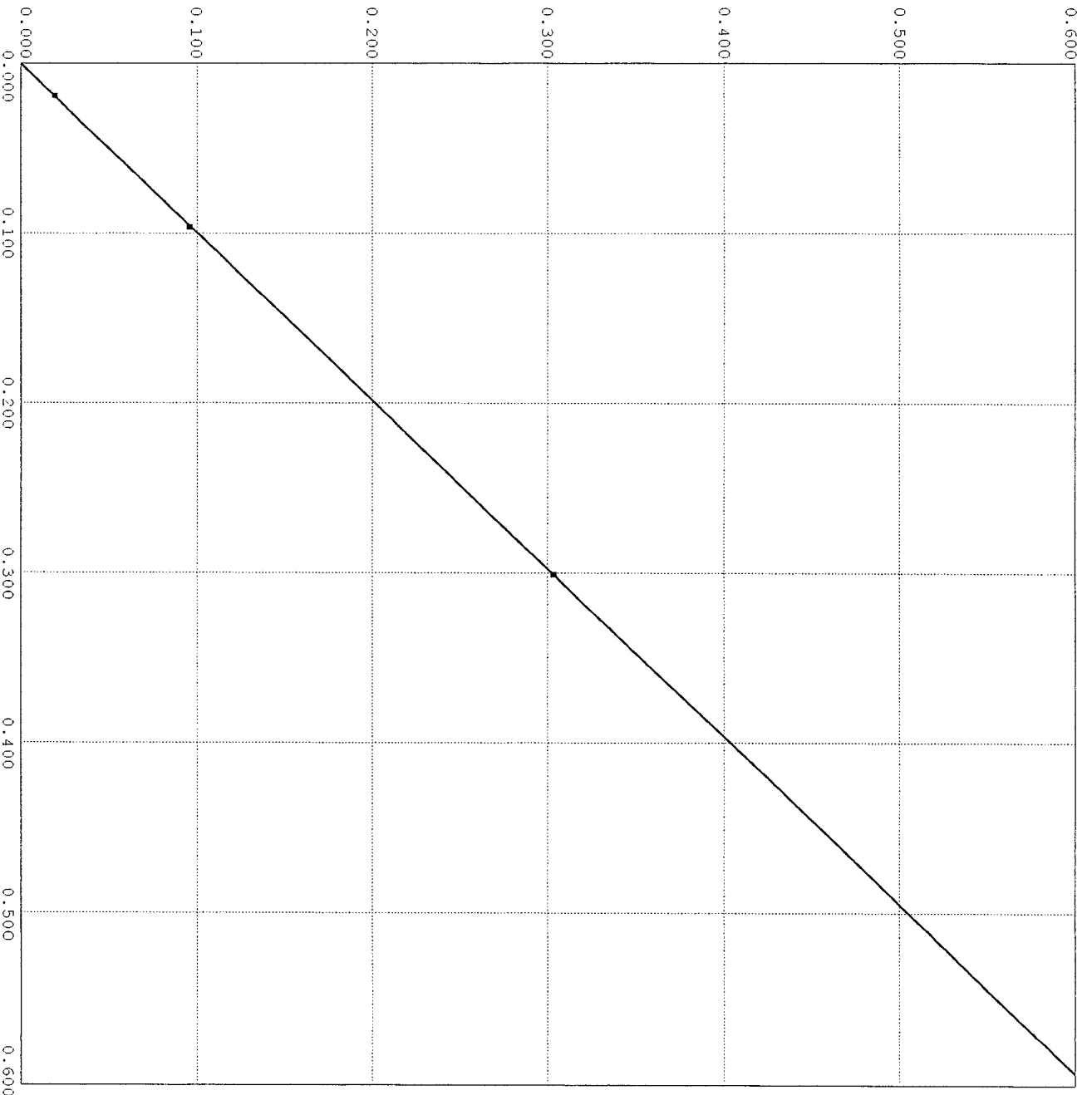
Alaska Department of Public Safety
DATAMASTER dmt: 100353

Date: 10/19/2018
Time: 10:35:17

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.096	0.0968	0.0004
0.300	0.3042	0.0013

SLOPE = 1.012469
R² = 0.999983



DM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100353

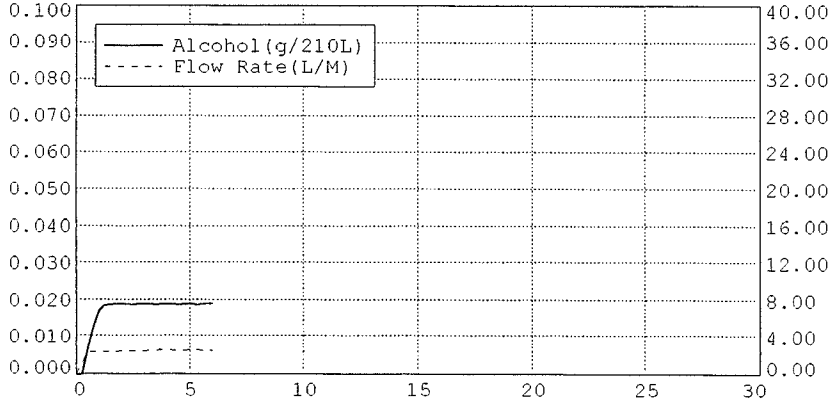
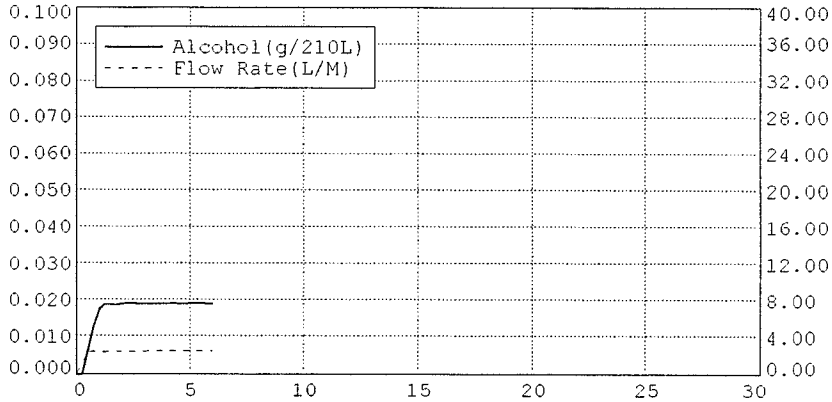
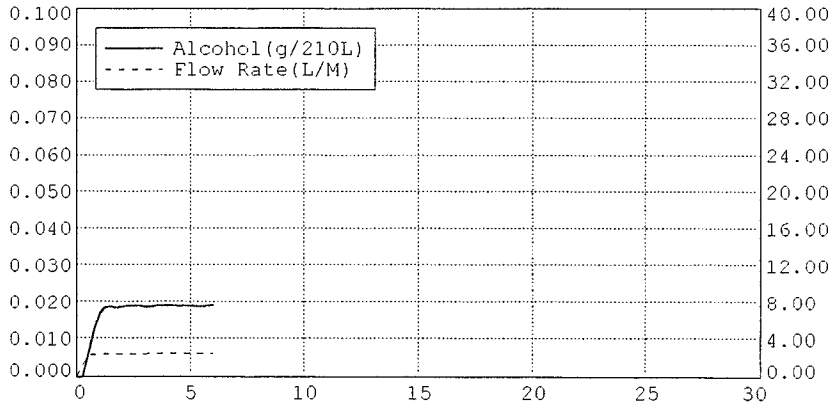
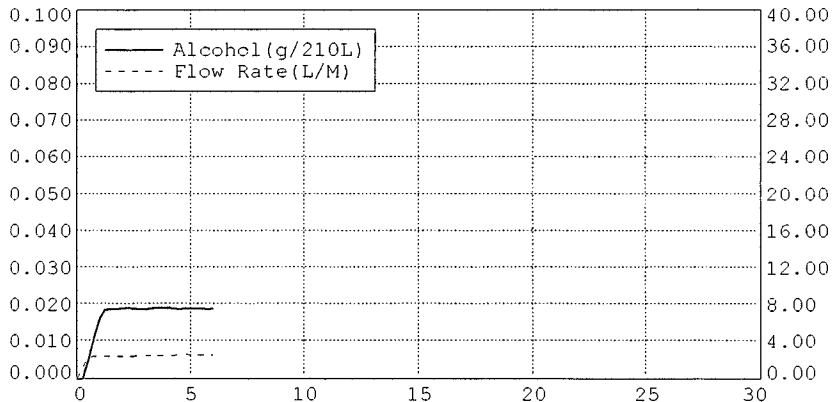
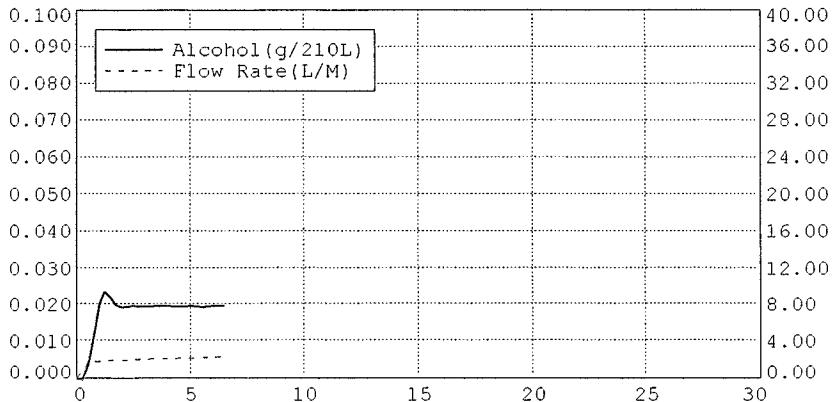
Date: 10/19/2018
Time: 10:35:19

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 28.68: 0.019
LOT #: AG805804
EXPIRATION: 02/27/2020
TANK PRESSURE: 1058 psi

BLANK TEST	0.000	10:36
INTERNAL STANDARD	VERIFIED	10:37
EXTERNAL STANDARD	0.020	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.020	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.020	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.020	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.020	10:41
BLANK TEST	0.000	10:42

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100353

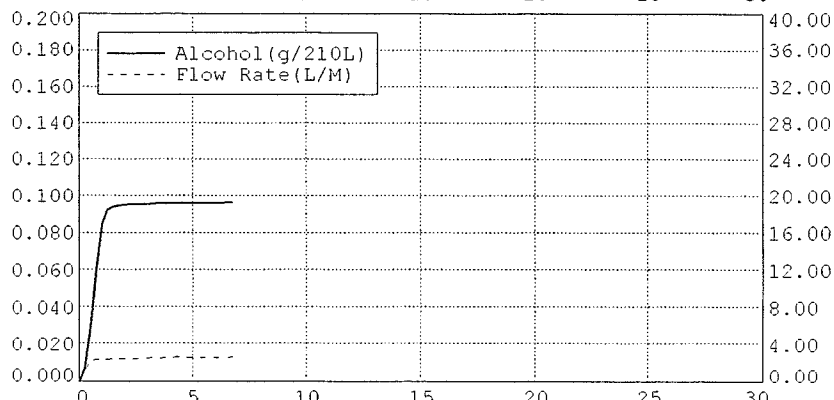
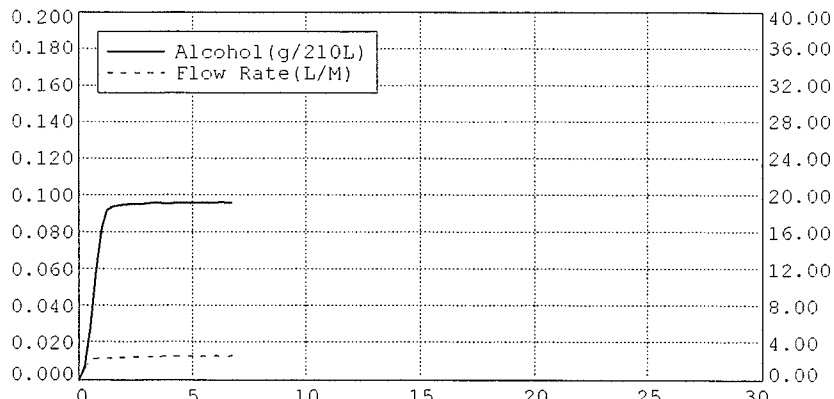
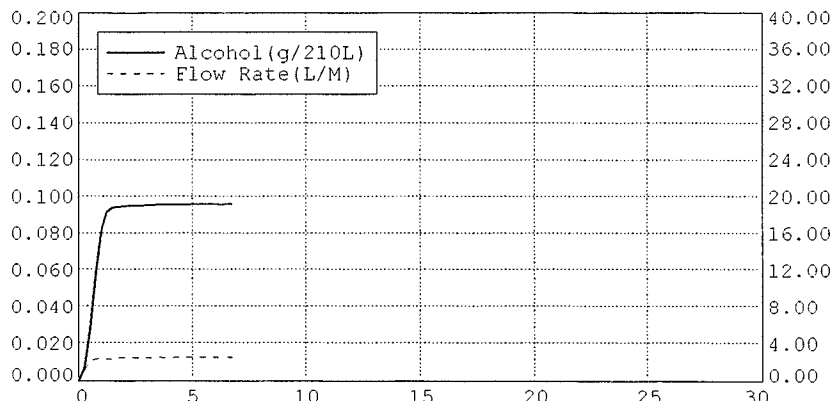
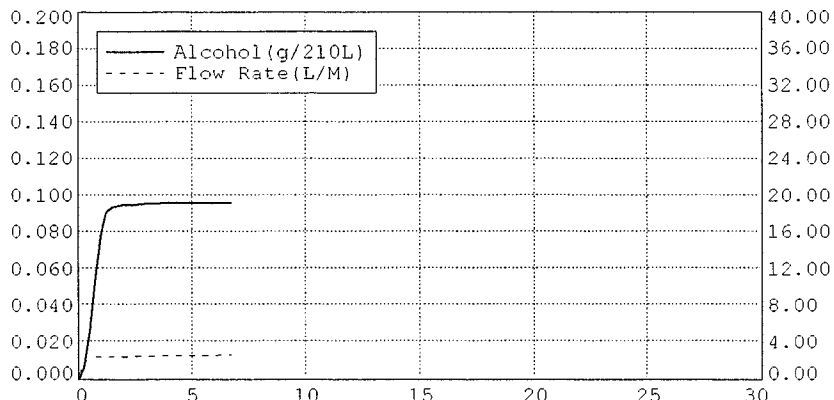
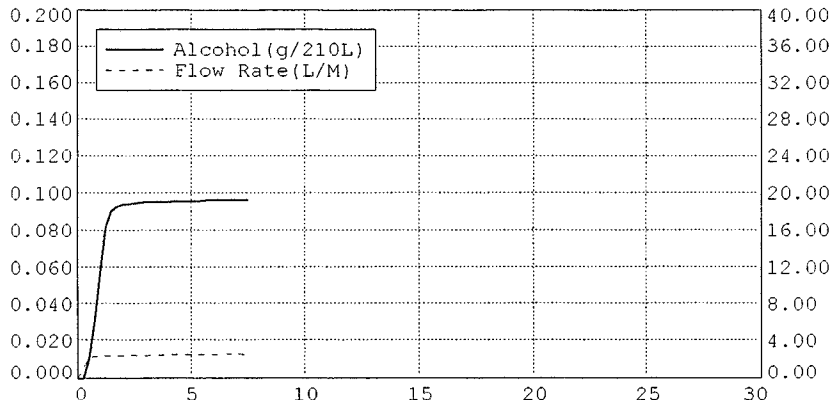
Date: 10/19/2018
Time: 10:47:37

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 28.68: 0.096
LOT #: AG805903
EXPIRATION: 02/28/2020
TANK PRESSURE: 1144 psi

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.097	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.096	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.097	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.097	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.097	10:53
BLANK TEST	0.000	10:54

Average = 0.0968
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 10/19/2018
 Time: 11:00:20

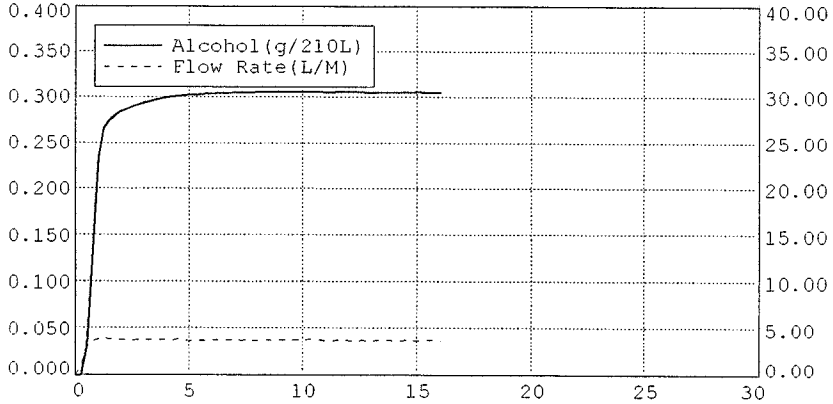
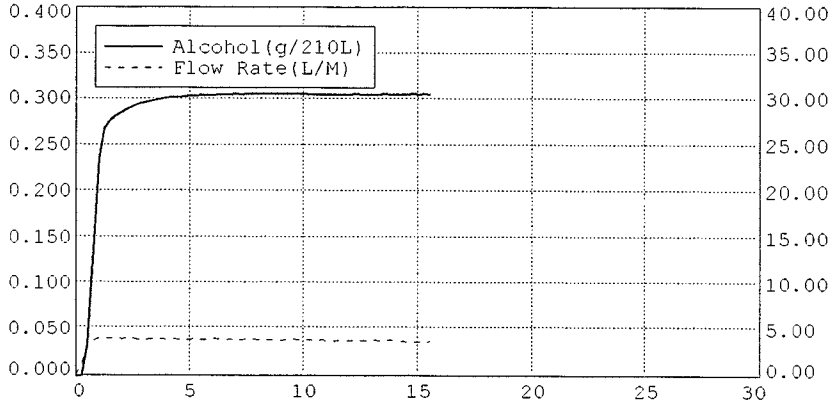
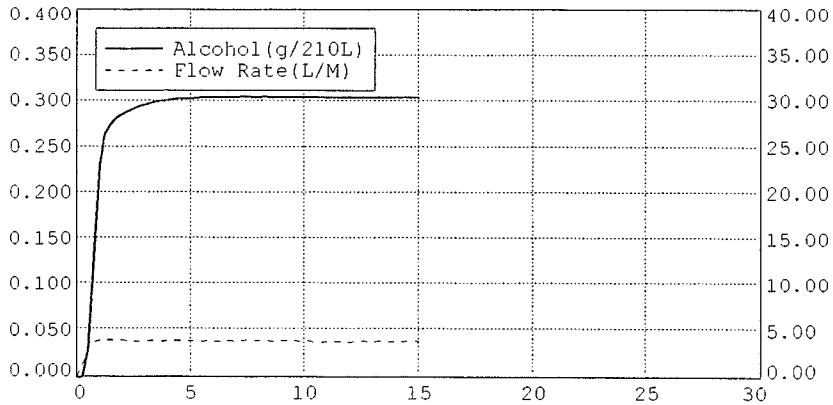
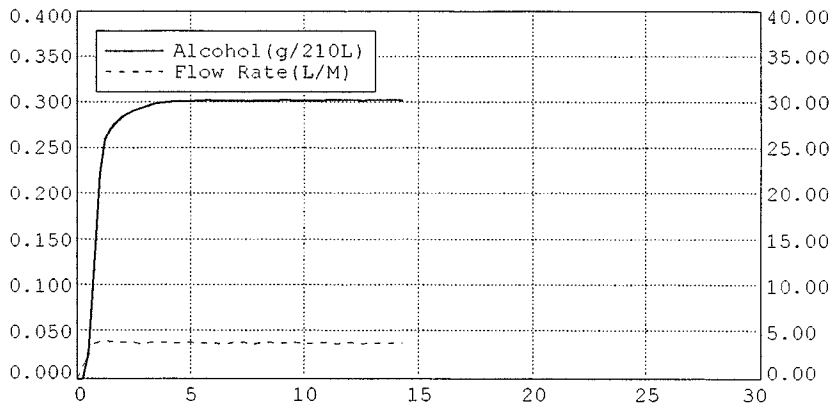
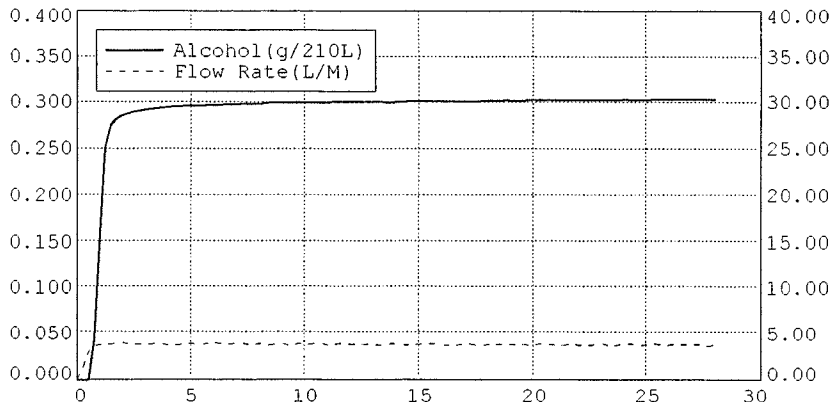
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 LOT #: 17350
 EXPIRATION: 10/11/2019

BLANK TEST	0.000	11:01
INTERNAL STANDARD	VERIFIED	11:01
EXTERNAL STANDARD	0.303	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.303	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.304	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.305	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.306	11:07
BLANK TEST	0.000	11:08

Average = 0.3042
 Std Dev = 0.0013

Simulator : SD1198
 Calibrated : 01/23/2018
 JMV 10/19/18



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 10/19/2018
Time: 10:12:05

VERSIONS

DMT: 3.02
PIC: 3.02
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 = 1.87 V PASSED
(1.10 V - 2.58 V)
Cooler Voltage = 1.87 V PASSED
(1.06 V - 2.48 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 538 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.7 in

PUMP INFO

Flow Rate = 4.934 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.003 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 = 0.088 1.92% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100411

Date: 10/19/2018
Time: 1:10 PM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 48.1°C

Current Barometer 28.7 in
Volume (Ltr) 0.00

Settings

Lamp: 1.87 V
Bias: 80 V
Cooler: 1.87 V
Chopper: 539 Hz

Voltages (V)

Flow: 1.05 V
Detector: 0.046 V

LINEARITY CHECK

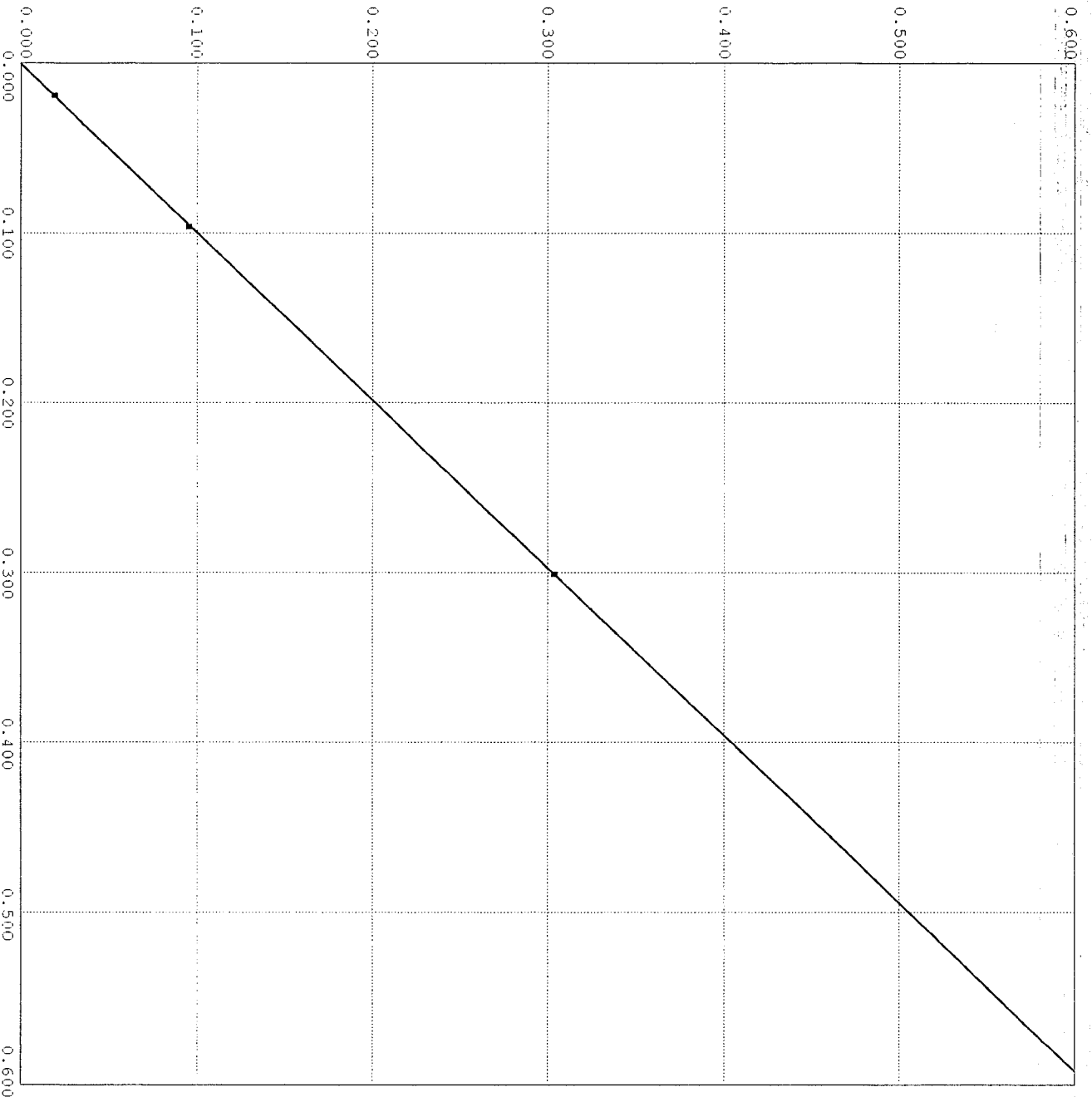
Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 10/19/2018
Time: 10:20:26

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

TARGET	AVERAGE	STD. DEV.
0.019	0.0198	0.0004
0.096	0.0964	0.0009
0.300	0.3044	0.0005

SLOPE = 1.014203
R² = 0.999972



DM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100411

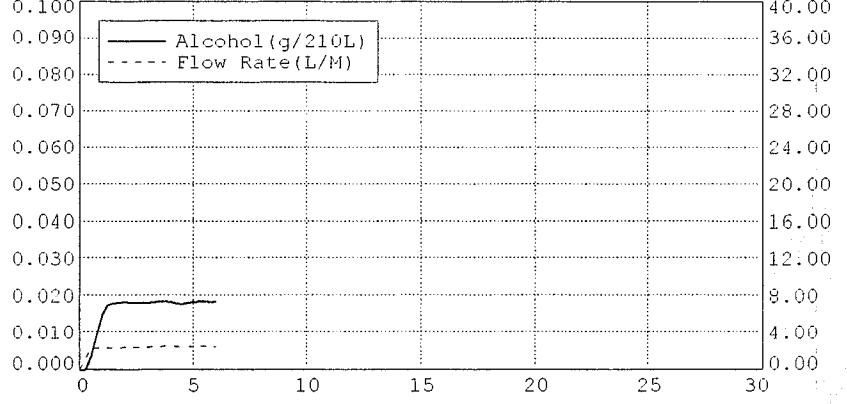
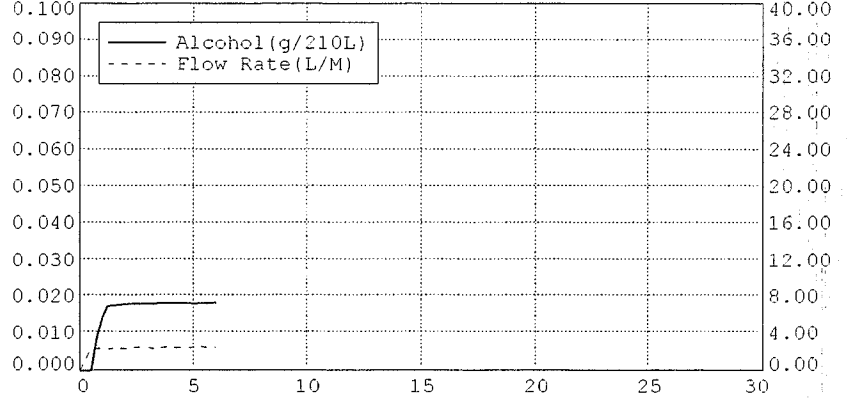
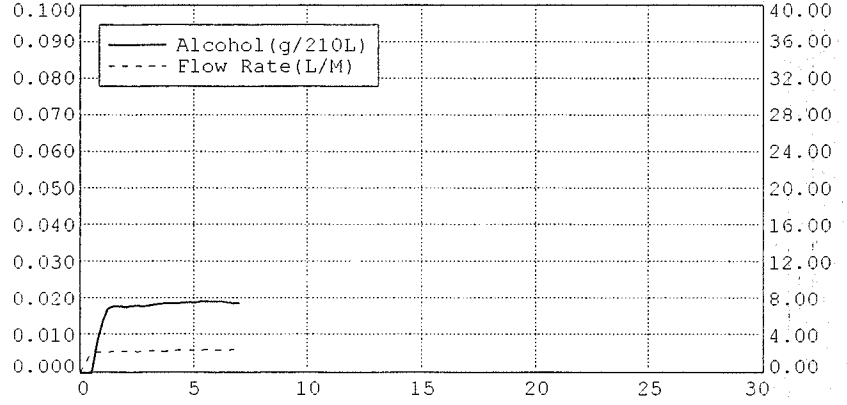
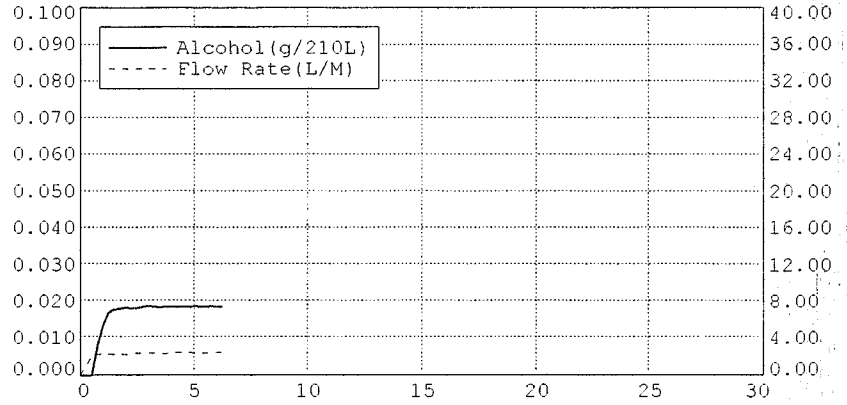
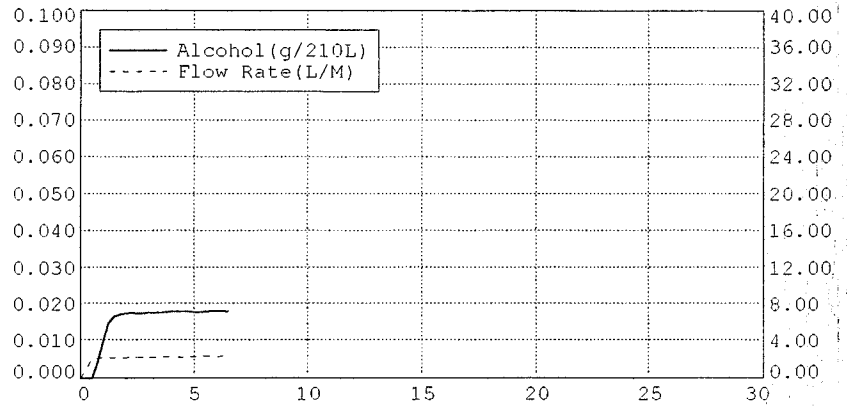
Date: 10/19/2018
Time: 10:20:28

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 28.68: 0.019
LOT #: AG805804
EXPIRATION: 02/27/2020
TANK PRESSURE: 1011 psi

BLANK TEST	0.000	10:21
INTERNAL STANDARD	VERIFIED	10:21
EXTERNAL STANDARD	0.020	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.020	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.020	10:24
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.019	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.020	10:26
BLANK TEST	0.000	10:27

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

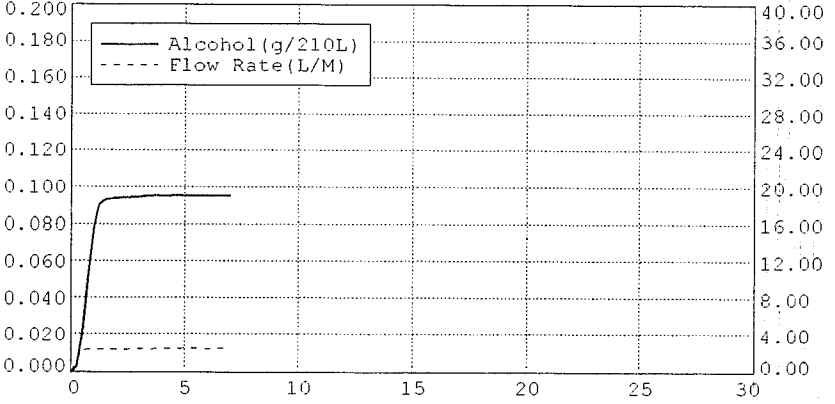
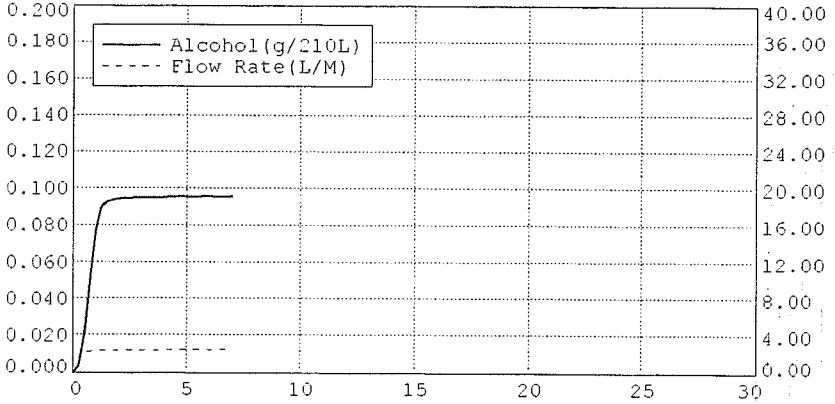
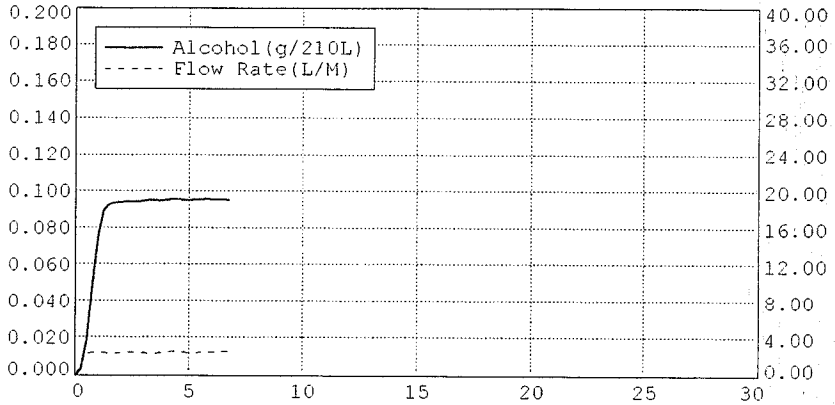
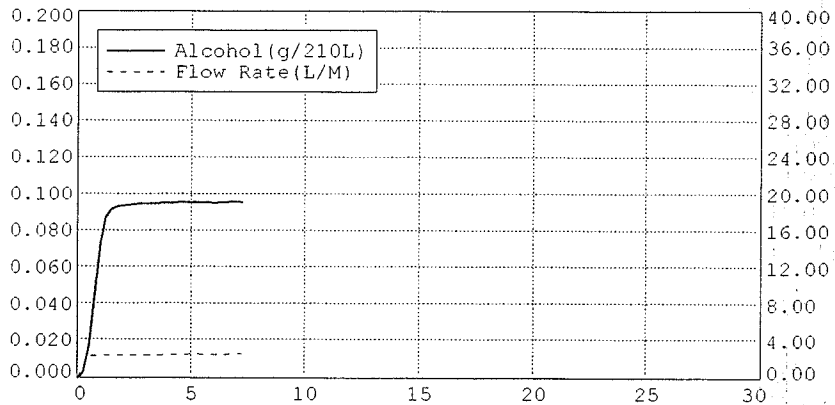
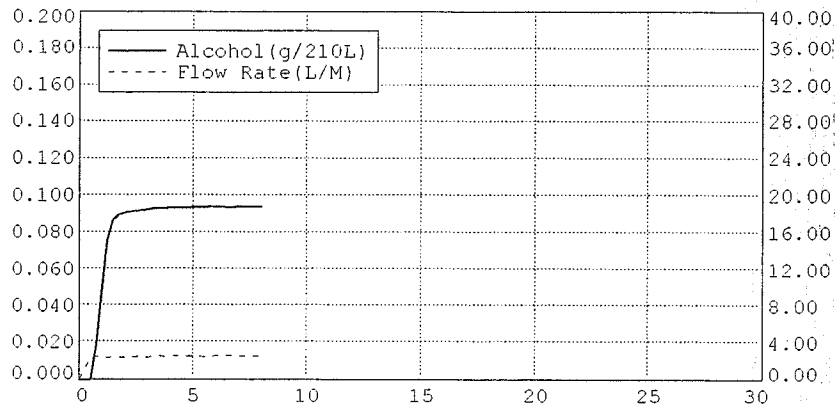
Date: 10/19/2018
 Time: 10:30:00

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 28.68: 0.096
 LOT #: AG805903
 EXPIRATION: 02/28/2020
 TANK PRESSURE: 1140 psi

BLANK TEST	0.000	10:31
INTERNAL STANDARD	VERIFIED	10:31
EXTERNAL STANDARD	0.095	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.096	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.097	10:34
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.097	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.097	10:36
BLANK TEST	0.000	10:37

Average = 0.0964
 Std Dev = 0.0009



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 10/19/2018
 Time: 10:42:02

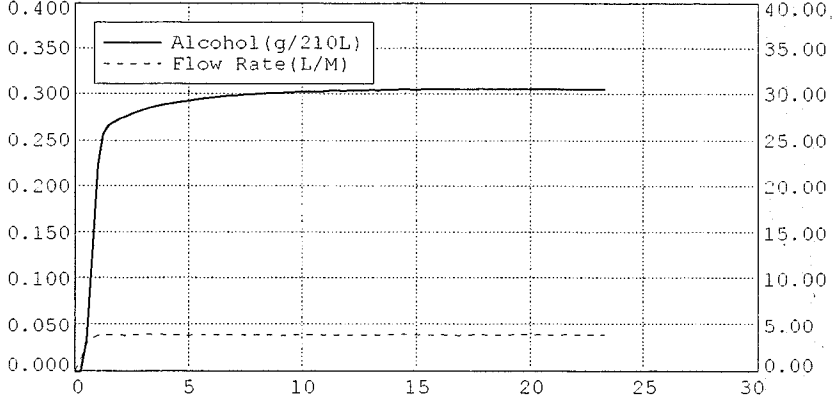
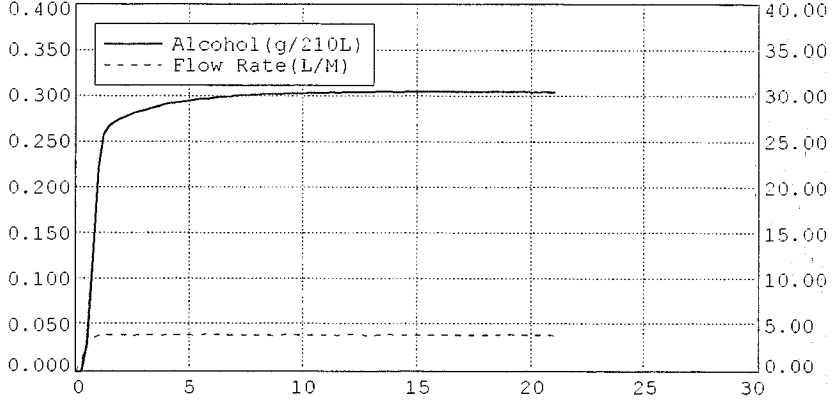
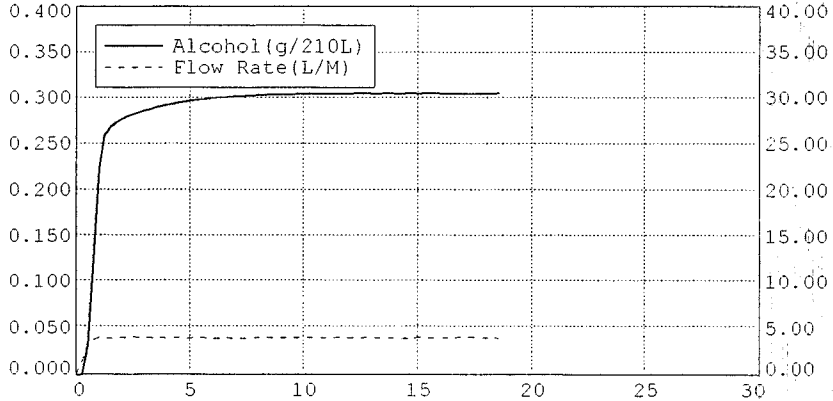
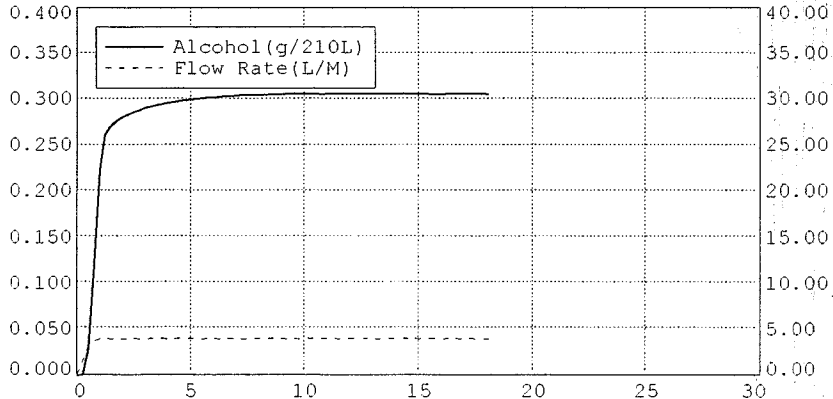
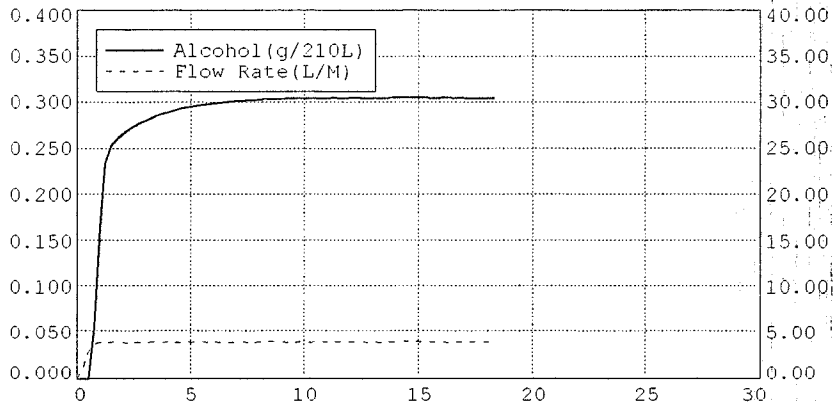
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 LOT #: 17350
 EXPIRATION: 10/11/2019

BLANK TEST	0.000	10:51
INTERNAL STANDARD	VERIFIED	10:51
EXTERNAL STANDARD	0.304	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.304	10:53
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.304	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.305	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.305	10:57
BLANK TEST	0.000	10:58

Average = 0.3044
 Std Dev = 0.0005

Simulator : SD1198
 Calibrated : 01/23/2018
 DM 10/19/18



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100671

Date: 10/19/2018
Time: 10:39:32

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.4°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.67 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.84 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 = 28.7 in

PUMP INFO

Flow Rate = 4.568 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 1.33% (0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100671

Date: 10/19/2018

Time: 1:37 PM

Temperatures (°C)

Sample Cell: 48.9°C

Breath Tube: 46.8°C

Current Barometer 28.7 in

Volume (Ltr) 0.00

Settings

Lamp: 1.67 V

Bias: 80 V

Cooler: 1.84 V

Chopper: 594 Hz

Voltages (V)

Flow: 1.06 V

Detector: -0.054 V

LINEARITY CHECK

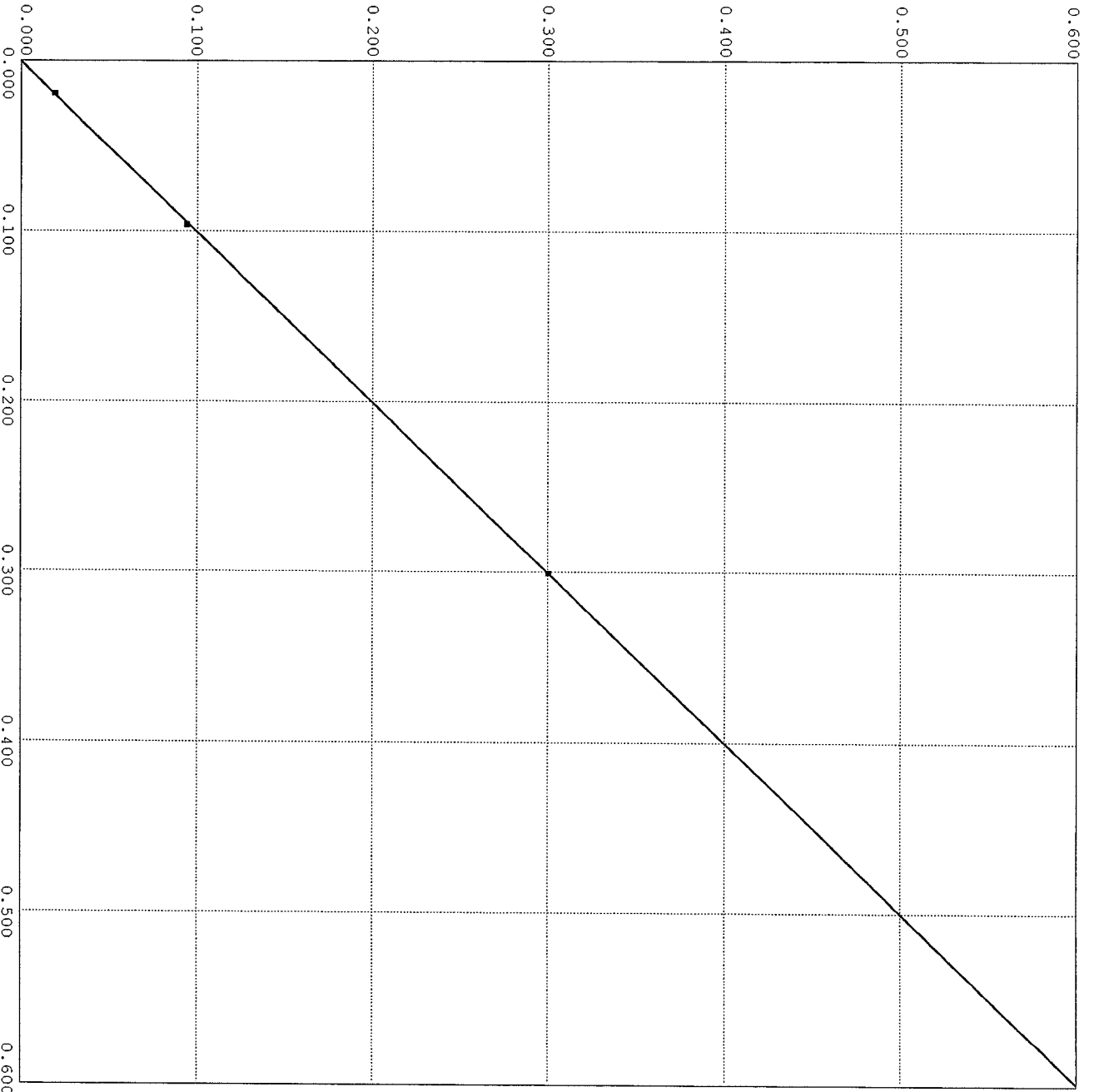
Alaska Department of Public Safety
DATAMASTER dmt: 100671

Date: 10/19/2018
Time: 10:45:49

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

TARGET	AVERAGE	STD. DEV.
0.019	0.0198	0.0004
0.096	0.0950	0.0000
0.300	0.3010	0.0007

SLOPE = 1.002574
R² = 0.999949



DM

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

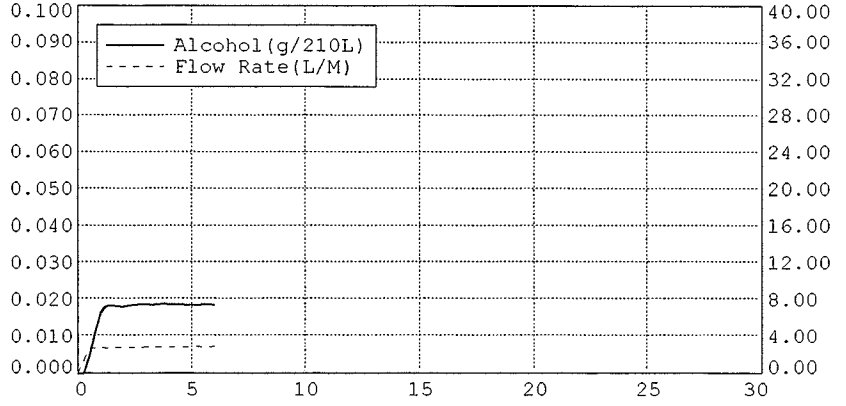
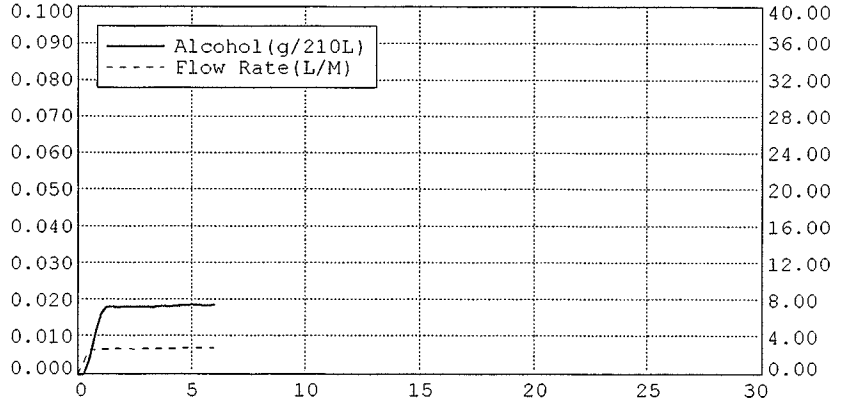
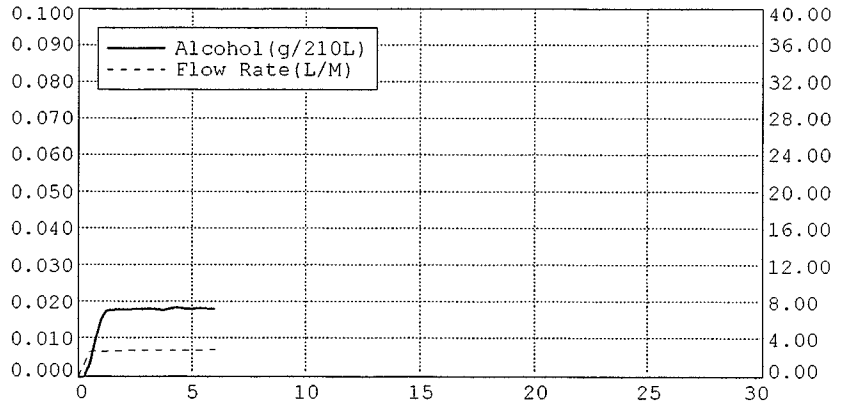
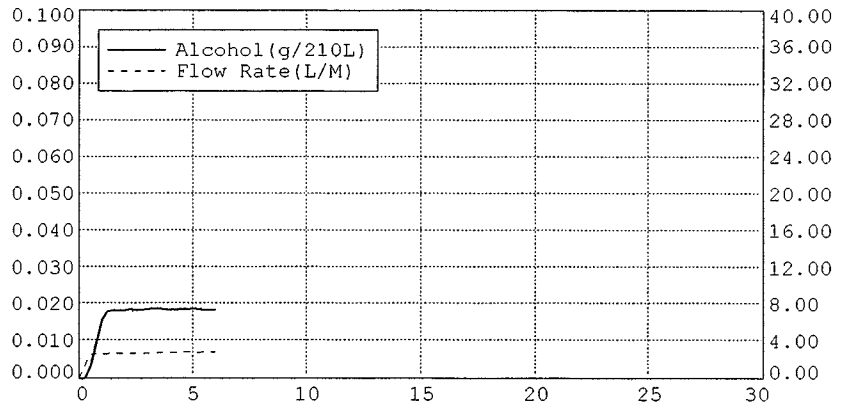
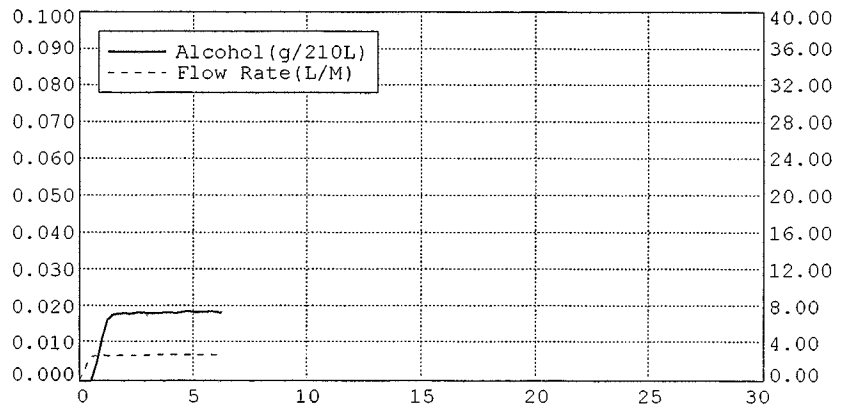
Date: 10/19/2018
 Time: 10:45:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 28.68: 0.019
 LOT #: AG805804
 EXPIRATION: 02/27/2020
 TANK PRESSURE: 1054 psi

BLANK TEST	0.000	10:57
INTERNAL STANDARD	VERIFIED	10:57
EXTERNAL STANDARD	0.020	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.019	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.020	11:00
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.020	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.020	11:02
BLANK TEST	0.000	11:03

Average = 0.0198
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

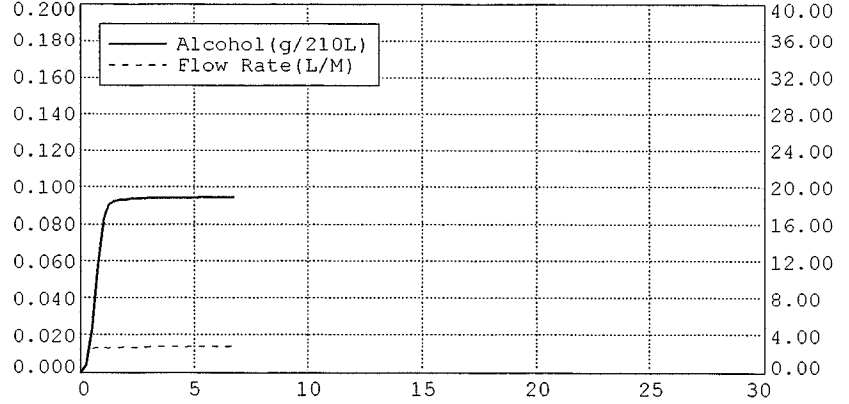
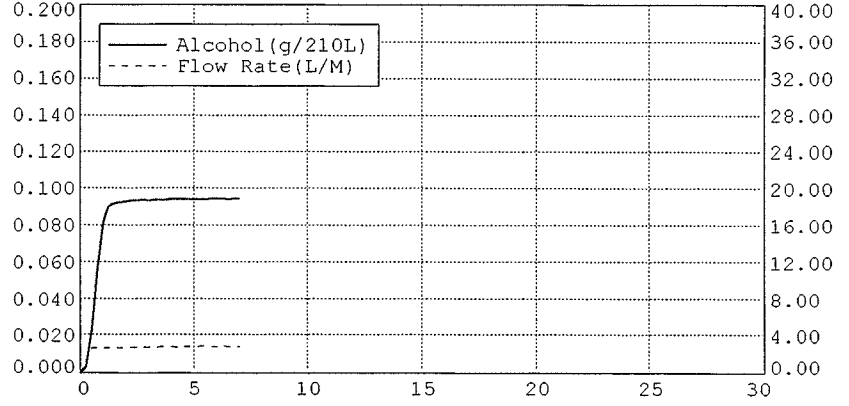
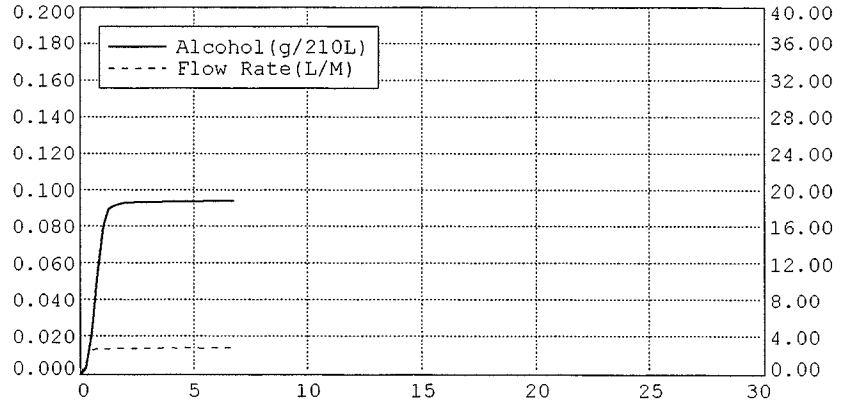
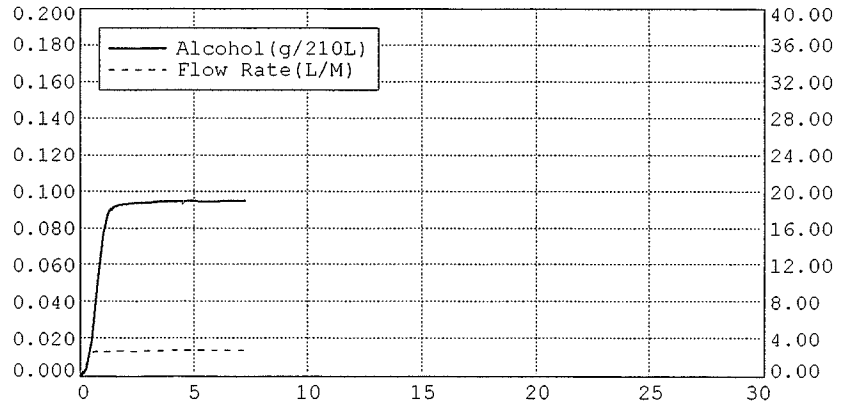
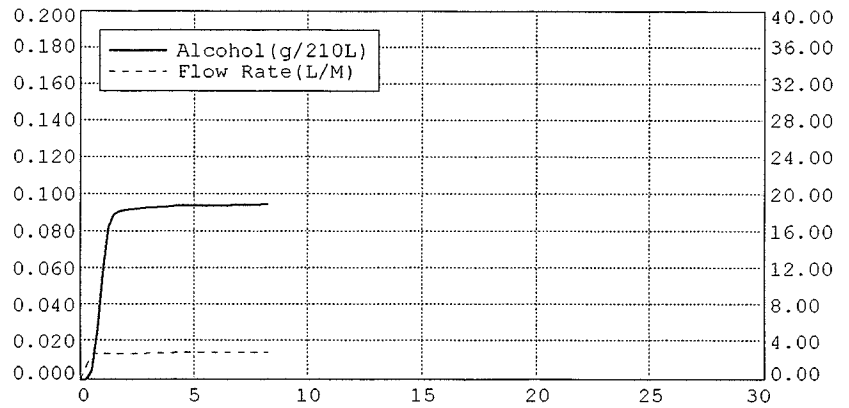
Date: 10/19/2018
 Time: 11:05:48

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 28.68: 0.096
 LOT #: AG805903
 EXPIRATION: 02/28/2020
 TANK PRESSURE: 1137 psi

BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.095	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.095	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.095	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.095	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.095	11:12
BLANK TEST	0.000	11:13

Average = 0.0950
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

Date: 10/19/2018
 Time: 11:14:20

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 LOT #: 17350
 EXPIRATION: 10/11/2019

BLANK TEST	0.000	11:27
INTERNAL STANDARD	VERIFIED	11:27
EXTERNAL STANDARD	0.301	11:27
BLANK TEST	0.000	11:28
EXTERNAL STANDARD	0.300	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.301	11:31
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.301	11:32
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.302	11:34
BLANK TEST	0.000	11:34

Average = 0.3010
 Std Dev = 0.0007

Simulator: SD1198
 Calibrated: 01/23/2018
 JW 10/19/2018

