



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:** 6-Jul-2020

**Lot #** AG018102 **Model** 108cadd

**Exp. Date**

29-Jun-2022

**Cyl. Type**

108

**Component**

Ethanol  
Nitrogen

**Certified Concentration**

0.080 ± 0.002 BrAC (208 ppm)  
Balance

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

**RGM Serial No.**

EB0010581

**Concentration**

392.1 ppm

EB0010570

259.8 ppm

EB0010285

208.0 ppm

EB0010561

103.6 ppm

EB0010681

52.12 ppm

**RGM Serial No.**

EB0010603

**Concentration**

393.0 ppm

EB0010559

258.2 ppm

EB0010595

208.3 ppm

EB0010562

104.2 ppm

EB0010579

52.81 ppm

**CRM Serial No.**

CC434668

**Concentration**

800.0 ppm

CC234503

253.0 ppm

**CRM Serial No.**

0056649

**Concentration**

390.1 ppm

0056662

150.2 ppm

**Analytical Method:**

NDIR

Digitally signed by Quality Control  
Date: 2020.07.08 14:31:01 -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

ISO 17034:2016 A2LA accredited. Certificate Number 3082.07

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

Date: 08/21/2020  
 Time: 13:29:26

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.45: 0.079  
 TANK PRESSURE: 1156 psi

BLANK TEST	0.000	13:32
INTERNAL STANDARD	VERIFIED	13:32
EXTERNAL STANDARD	0.078	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.079	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.078	13:35
BLANK TEST	0.000	13:35
EXTERNAL STANDARD	0.078	13:36
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.078	13:37
BLANK TEST	0.000	13:38

Average = 0.0782  
 Std Dev = 0.0004

AG 018102 Tank 042

Exp: 6/29/22

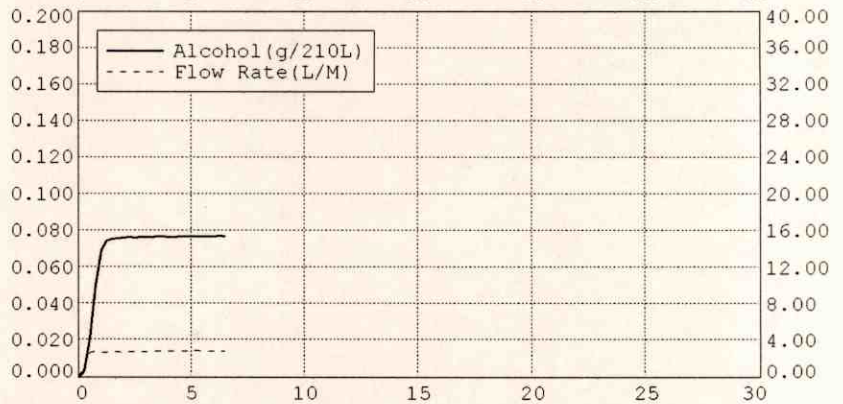
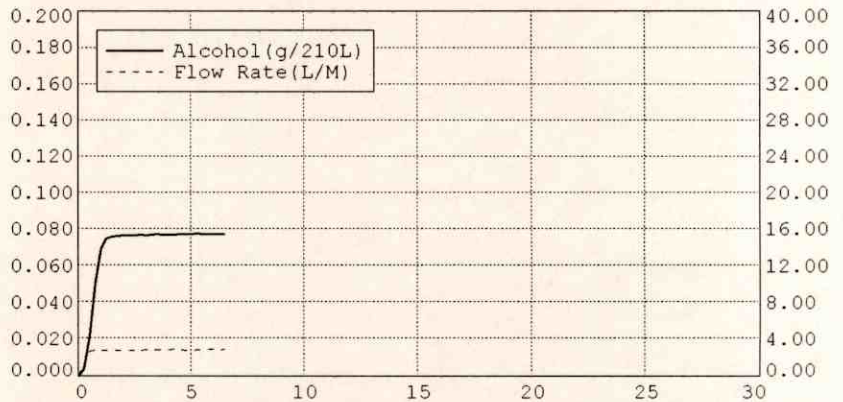
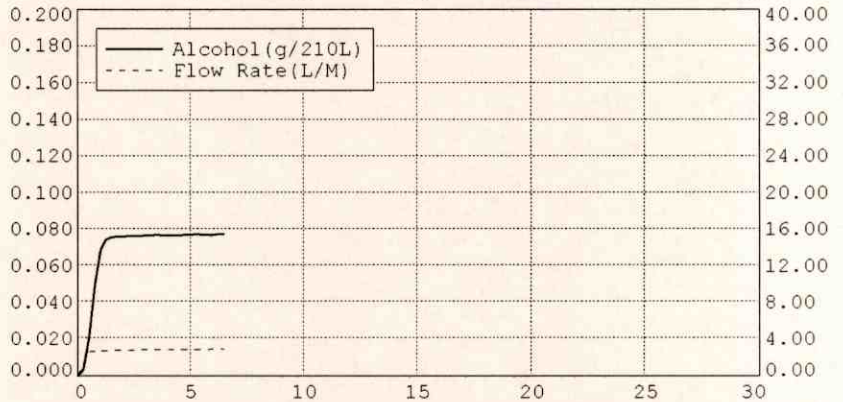
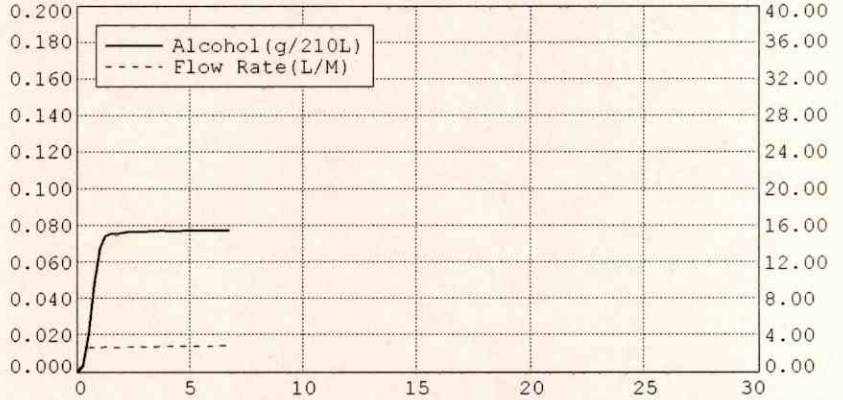
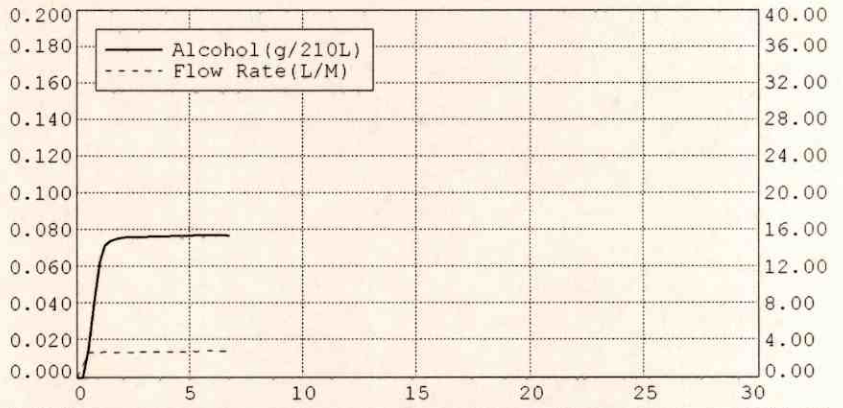
BMB <sup>8</sup> 8/21/20  
 BMB 8/21/20

Final Avg tank 042

Avg: 0.078

TV: 0.079

BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100405

Date: 08/21/2020  
Time: 12:57:25

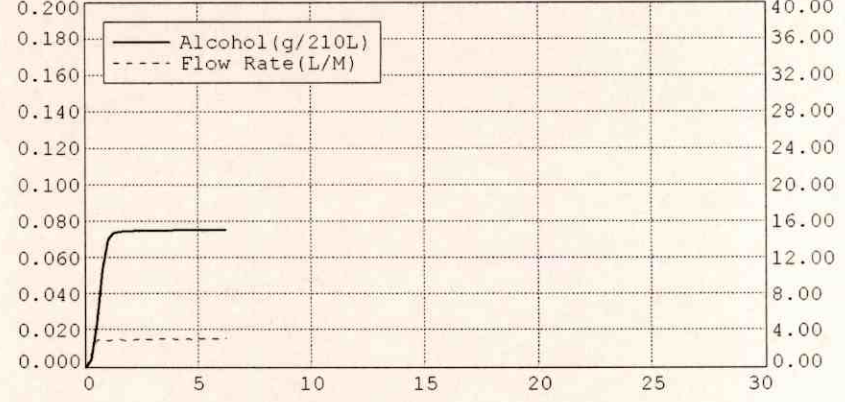
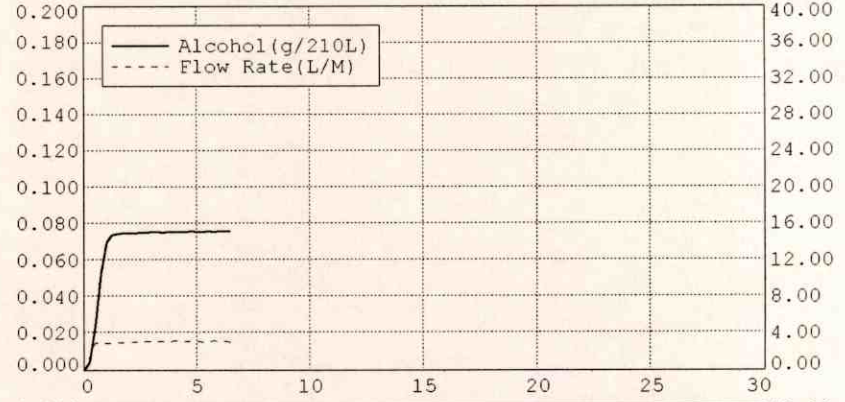
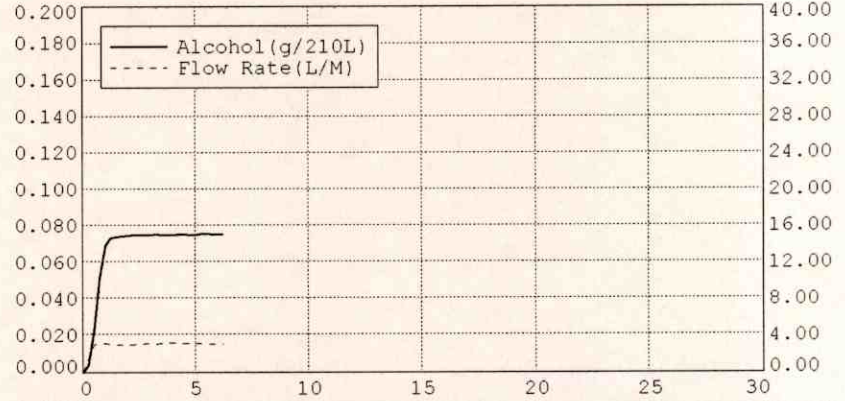
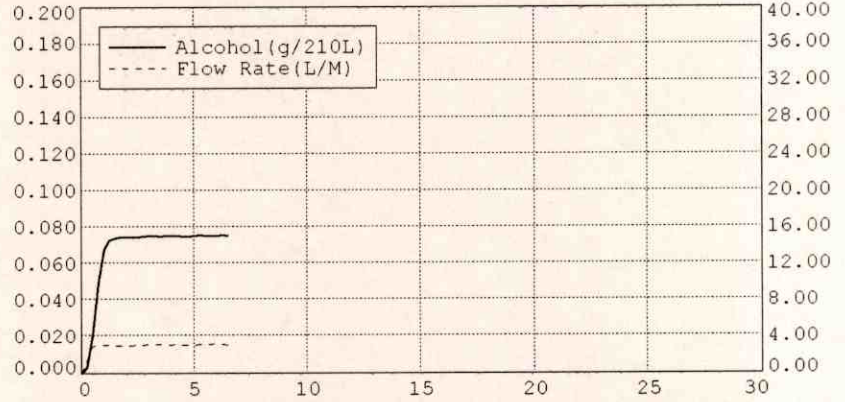
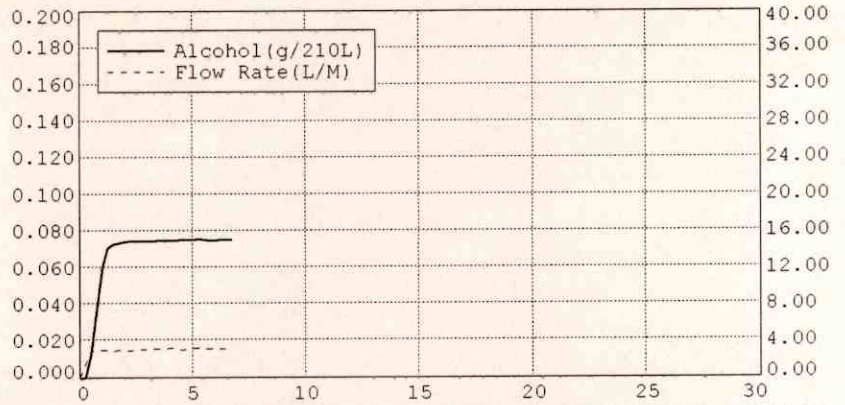
SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.45: 0.079  
TANK PRESSURE: 1171 psi

BLANK TEST	0.000	12:58
INTERNAL STANDARD	VERIFIED	12:58
EXTERNAL STANDARD	0.076	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.076	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.076	13:01
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.077	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.076	13:03
BLANK TEST	0.000	13:04

Average = 0.0762  
Std Dev = 0.0004

AG018102 Tank 042  
Exp: 6/29/22  
BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100353

Date: 08/21/2020  
Time: 11:40:57

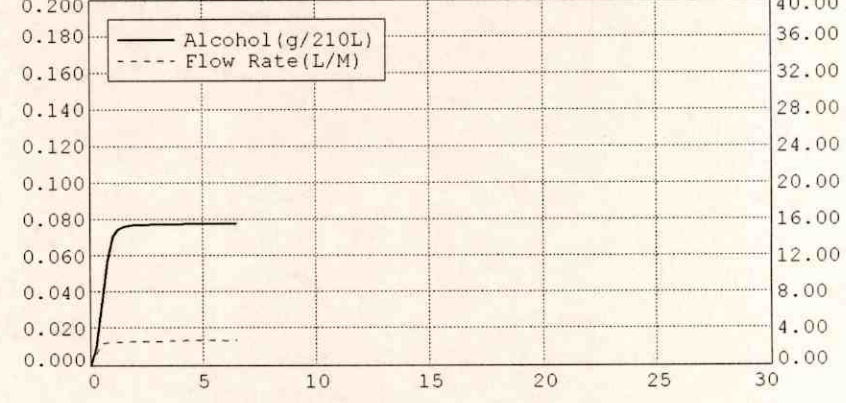
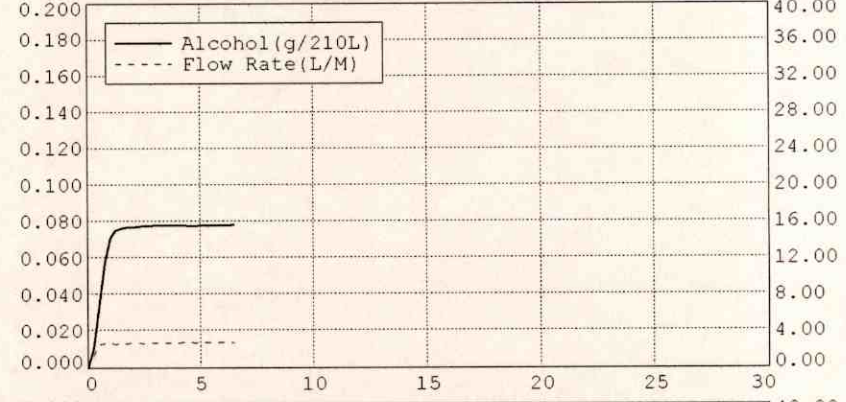
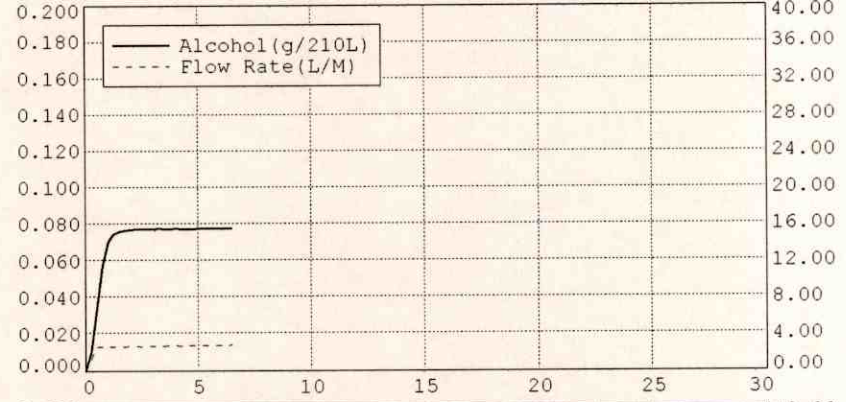
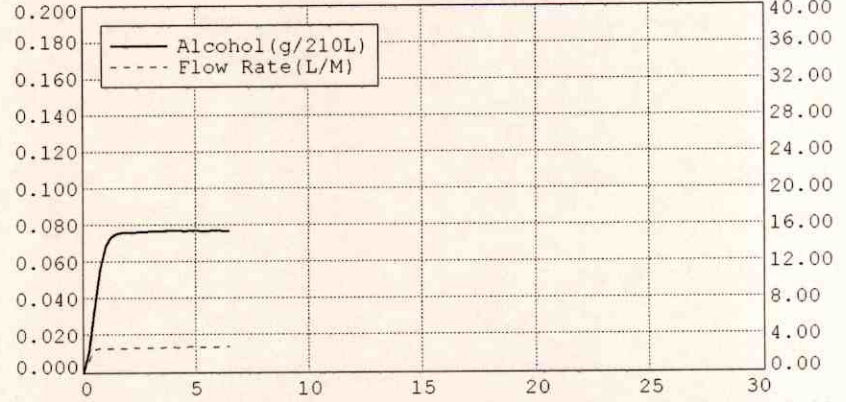
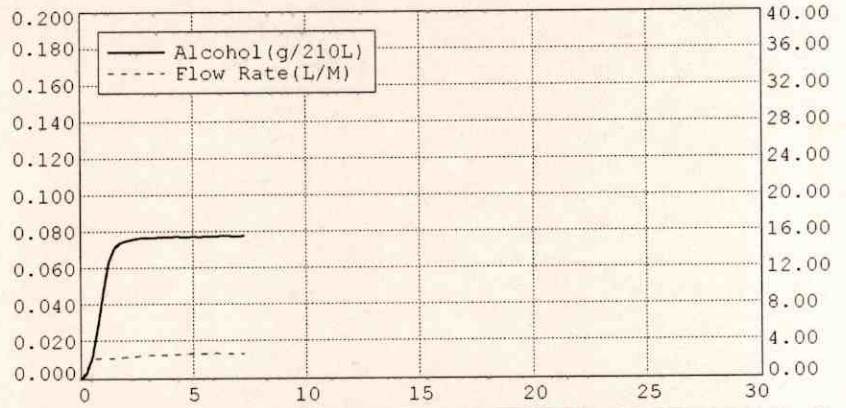
SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.45: 0.079  
TANK PRESSURE: 1176 psi

BLANK TEST	0.000	11:41
INTERNAL STANDARD	VERIFIED	11:42
EXTERNAL STANDARD	0.079	11:42
BLANK TEST	0.000	11:43
EXTERNAL STANDARD	0.078	11:43
BLANK TEST	0.000	11:44
EXTERNAL STANDARD	0.078	11:44
BLANK TEST	0.000	11:45
EXTERNAL STANDARD	0.079	11:45
BLANK TEST	0.000	11:46
EXTERNAL STANDARD	0.079	11:46
BLANK TEST	0.000	11:47

Average = 0.0786  
Std Dev = 0.0005

AG 018102 Tank 042  
Exp: 6/29/22  
BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100405

Date: 08/21/2020  
Time: 13:10:06

SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.44: 0.079  
TANK PRESSURE: 1158 psi

BLANK TEST	0.000	13:11
INTERNAL STANDARD	VERIFIED	13:11
EXTERNAL STANDARD	0.076	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.077	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.077	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.076	13:14
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.076	13:15
BLANK TEST	0.000	13:16

Average = 0.0764  
Std Dev = 0.0005

AG 018102 Tank 081

Exp: 6/29/22

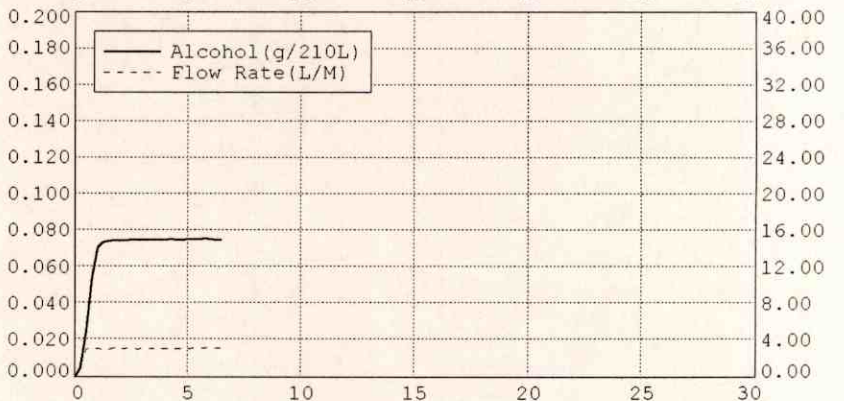
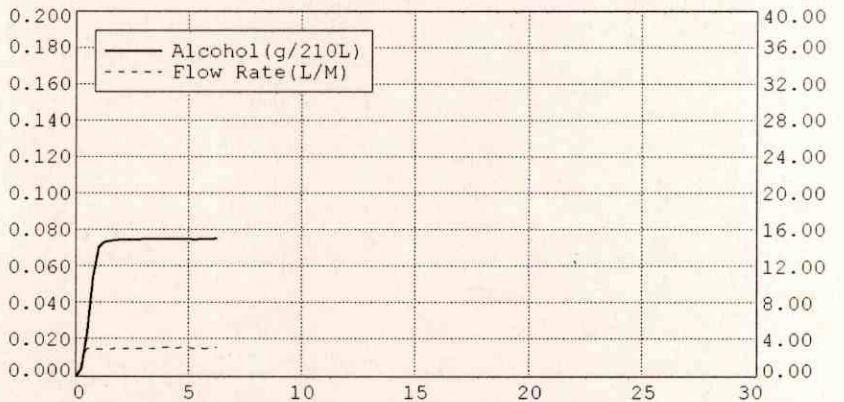
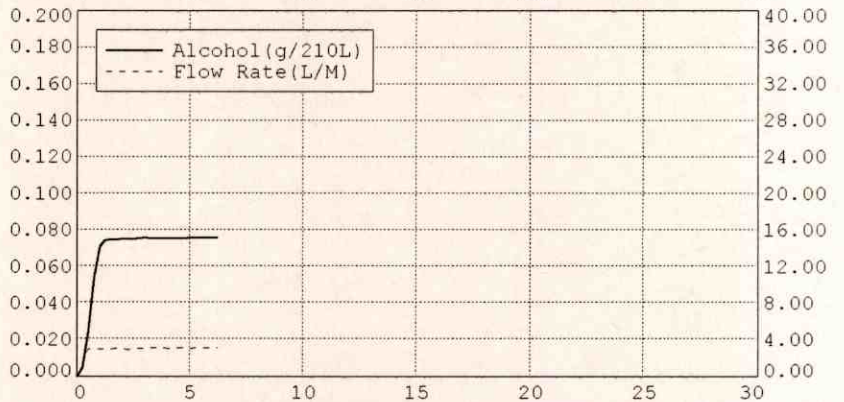
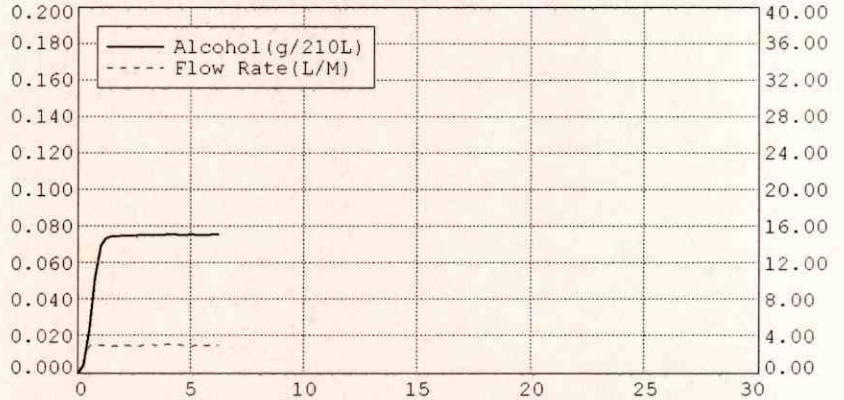
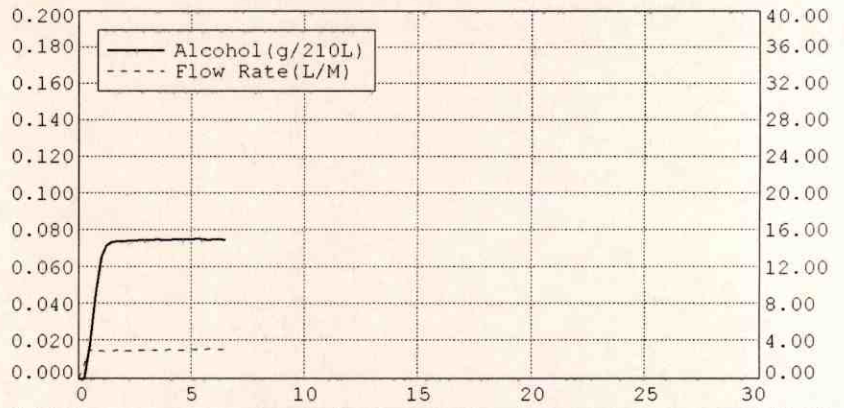
BMB 8/21/20

Final Avg Tank 081

Avg: 0.078

TV: 0.079

BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 08/21/2020  
 Time: 12:14:39

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

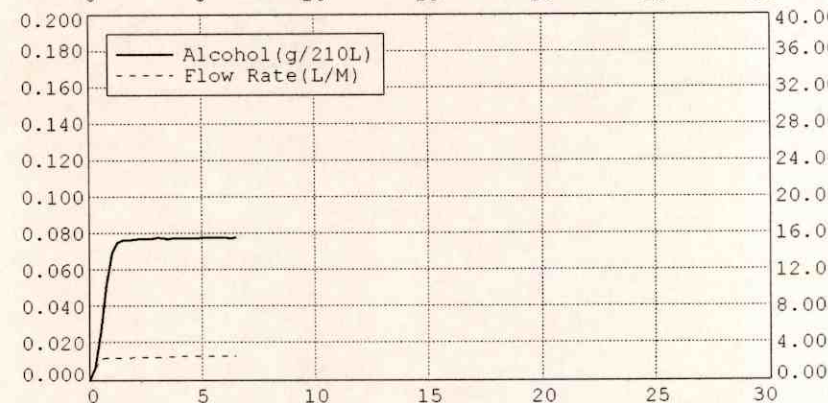
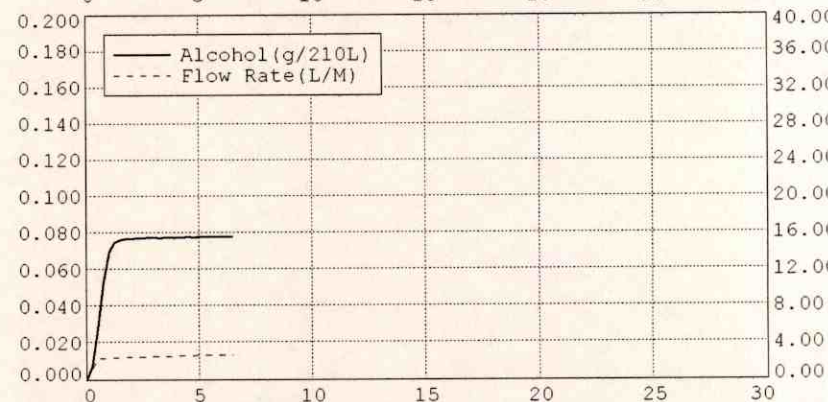
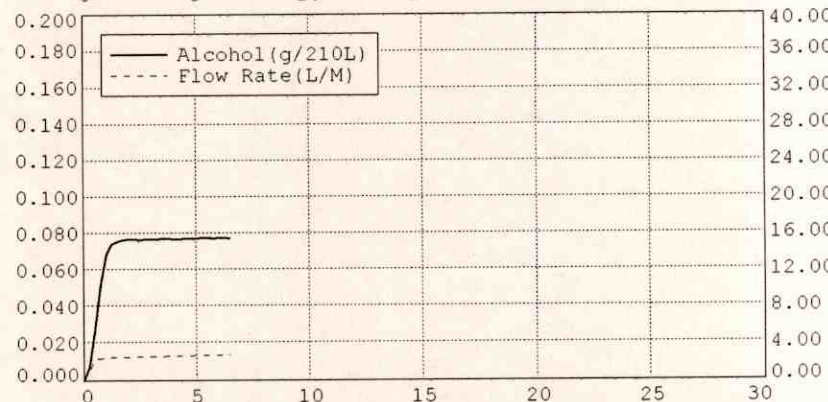
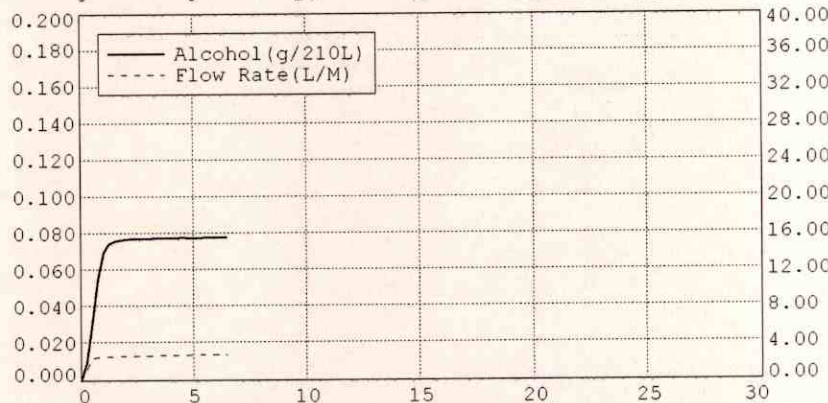
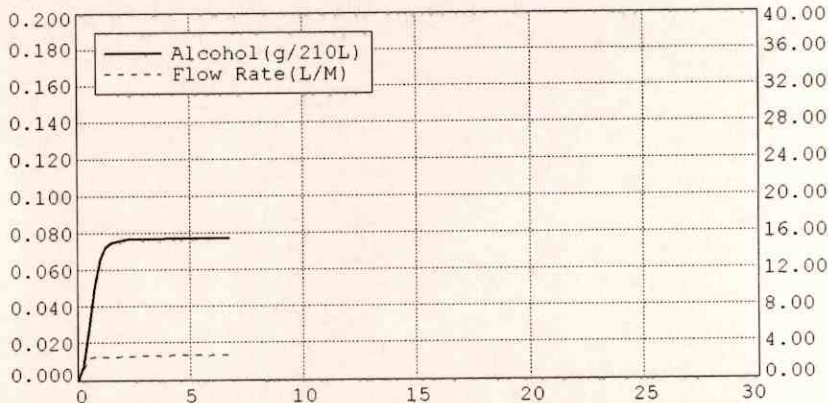
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
 TARGET AT 29.44: 0.079  
 TANK PRESSURE: 1181 psi

BLANK TEST	0.000	12:15
INTERNAL STANDARD	VERIFIED	12:16
EXTERNAL STANDARD	0.078	12:16
BLANK TEST	0.000	12:17
EXTERNAL STANDARD	0.078	12:17
BLANK TEST	0.000	12:18
EXTERNAL STANDARD	0.078	12:18
BLANK TEST	0.000	12:19
EXTERNAL STANDARD	0.079	12:19
BLANK TEST	0.000	12:20
EXTERNAL STANDARD	0.079	12:20
BLANK TEST	0.000	12:21

Average = 0.0784  
 Std Dev = 0.0005

AG 018102 Tank 081  
 Exp: 6/29/22  
 BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

Date: 08/21/2020  
Time: 12:44:00

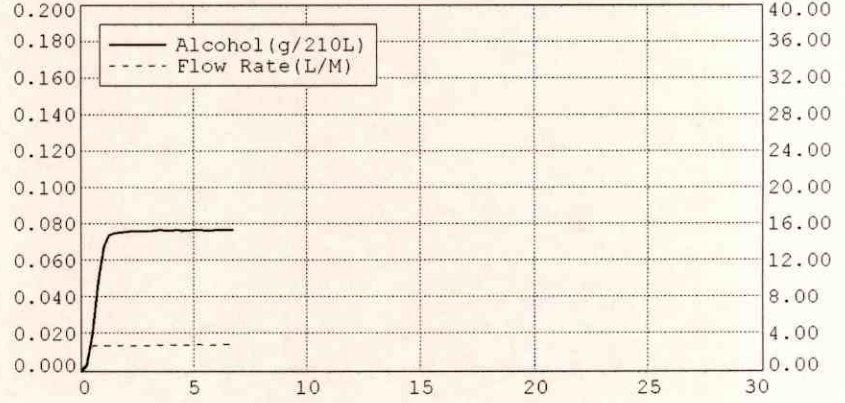
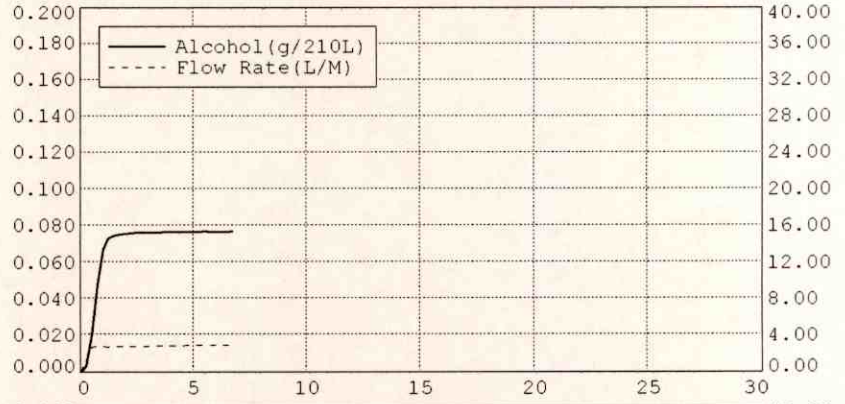
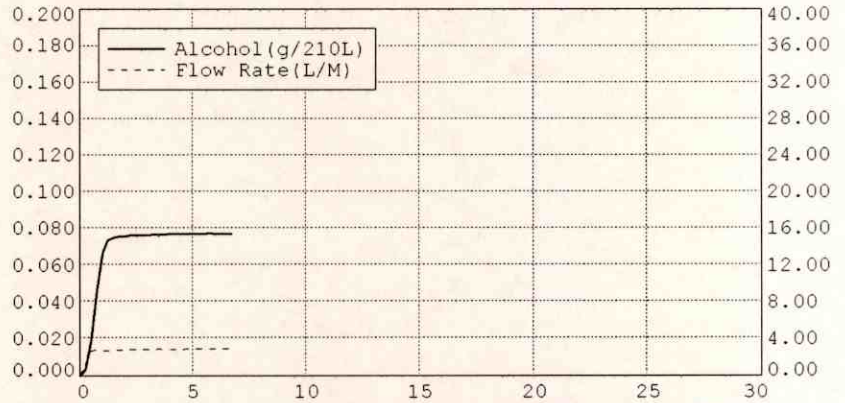
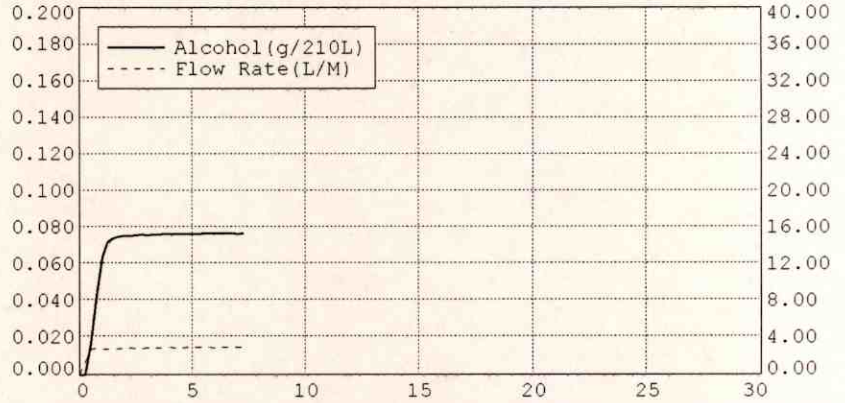
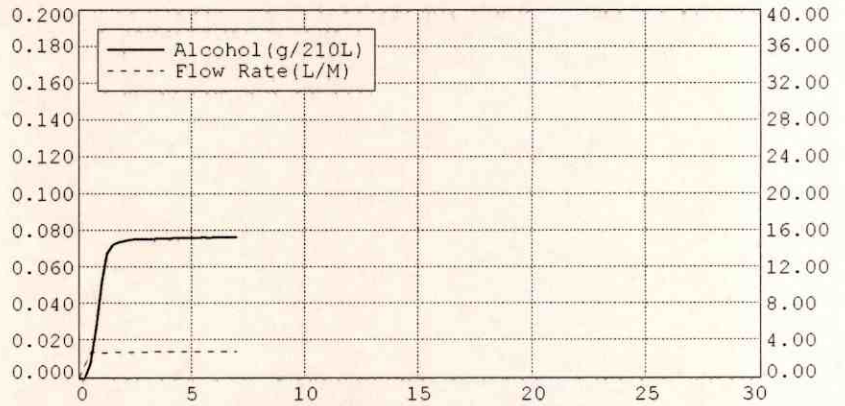
SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.44: 0.079  
TANK PRESSURE: 1190 psi

BLANK TEST	0.000	12:45
INTERNAL STANDARD	VERIFIED	12:45
EXTERNAL STANDARD	0.078	12:45
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.077	12:46
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.078	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.078	12:48
BLANK TEST	0.000	12:49
EXTERNAL STANDARD	0.078	12:49
BLANK TEST	0.000	12:50

Average = 0.0778  
Std Dev = 0.0004

AG 018102 Tank 081  
Exp: 6/29/22  
BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 08/21/2020  
 Time: 13:22:13

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

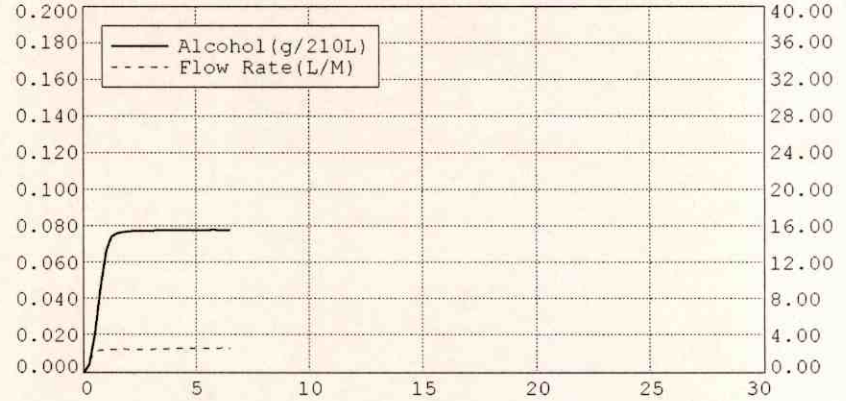
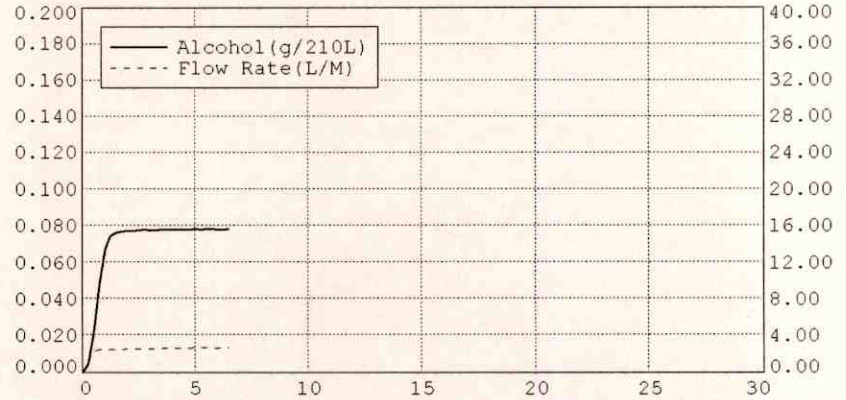
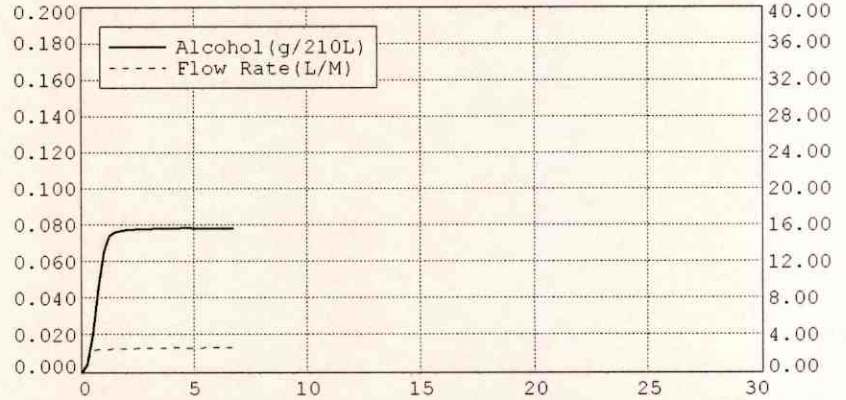
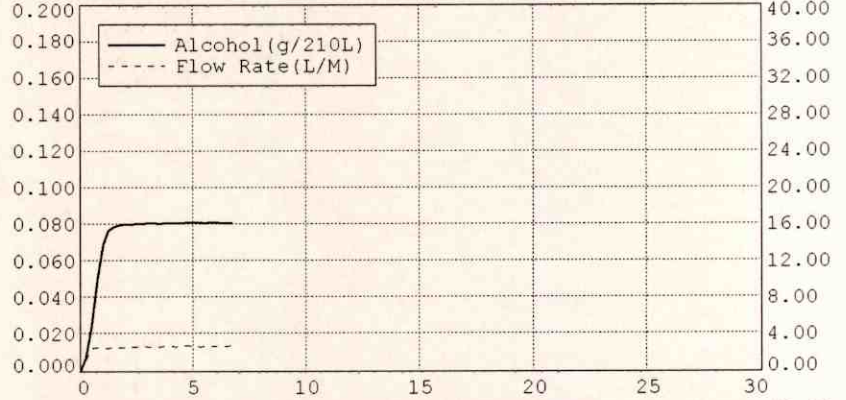
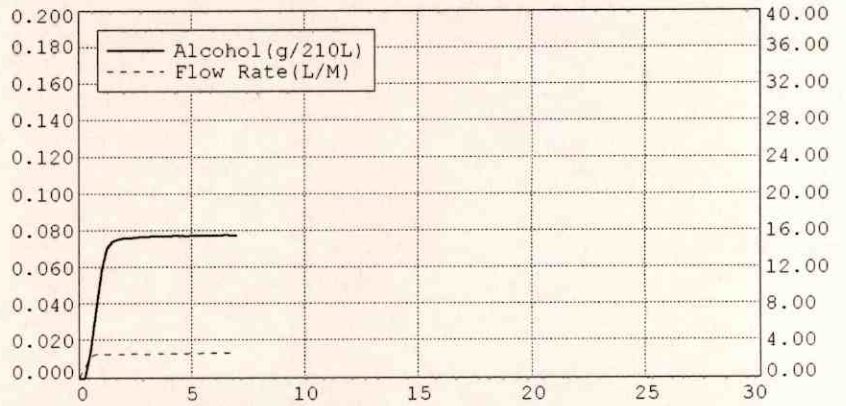
EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.44: 0.079  
 TANK PRESSURE: 885 psi

BLANK TEST	0.000	13:23
INTERNAL STANDARD	VERIFIED	13:23
EXTERNAL STANDARD	0.079	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.082	13:24
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.079	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.079	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.079	13:28
BLANK TEST	0.000	13:29

Average = 0.0796  
 Std Dev = 0.0013

AG018102 Tank 009  
 Exp: 6/29/22  
 BMB 8/21/20

Final Avg Tank 009  
 Avg: 0.078  
 TV: 0.079  
 BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

Date: 08/21/2020  
Time: 13:15:51

SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.44: 0.079  
TANK PRESSURE: 1150 psi

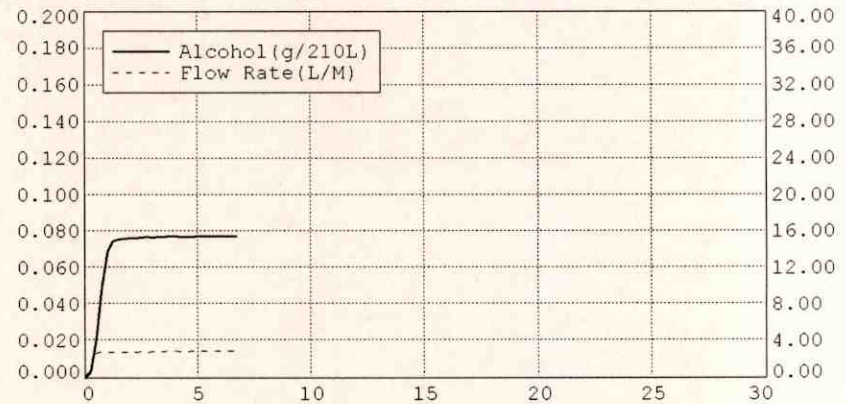
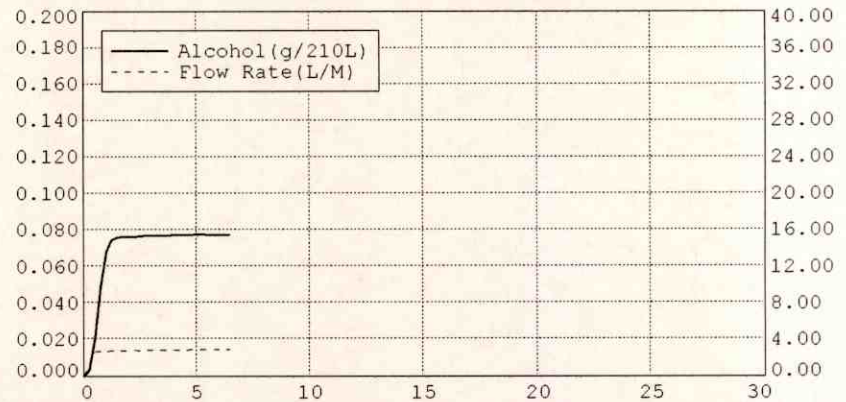
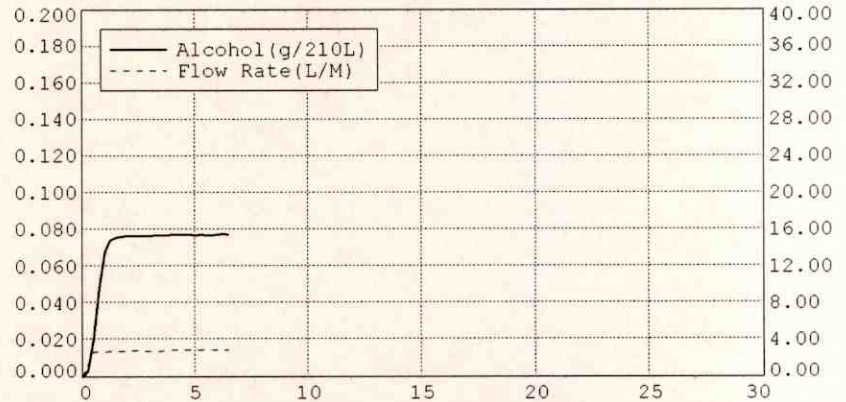
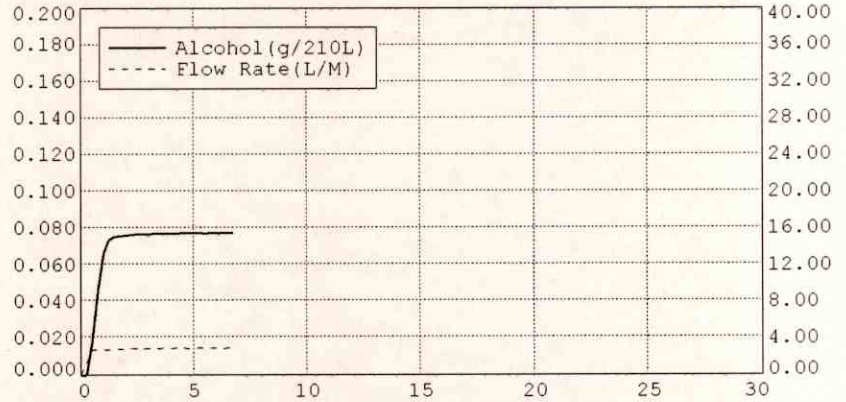
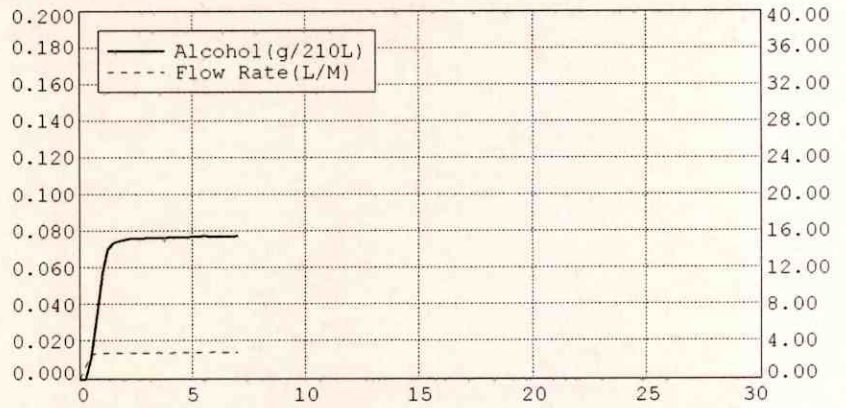
BLANK TEST	0.000	13:17
INTERNAL STANDARD	VERIFIED	13:17
EXTERNAL STANDARD	0.078	13:17
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.078	13:18
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.078	13:20
BLANK TEST	0.000	13:20
EXTERNAL STANDARD	0.078	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.078	13:22
BLANK TEST	0.000	13:23

Average = 0.0780  
Std Dev = 0.0000

AG018102 Tank 009

Exp: 6/29/22

BMB 8/21/20





SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100405

Date: 08/21/2020  
Time: 12:21:07

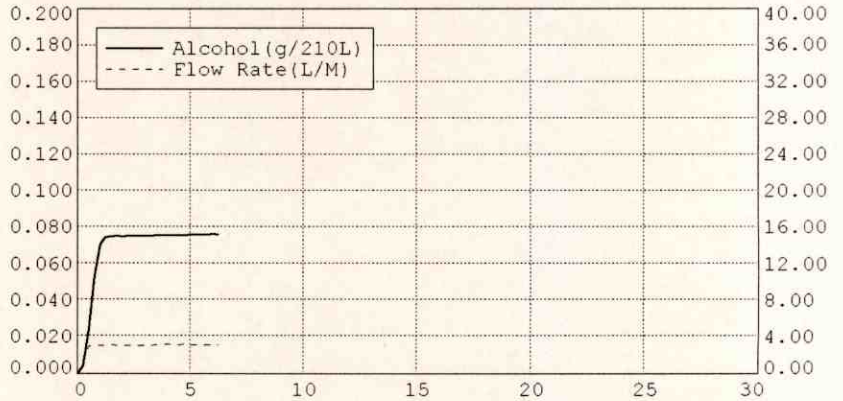
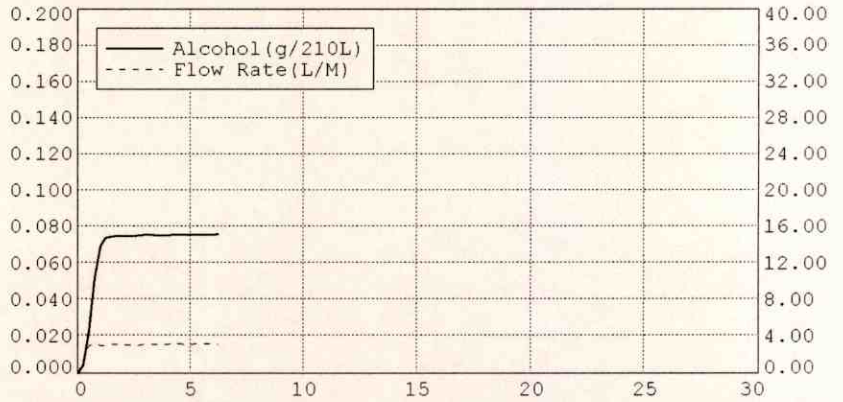
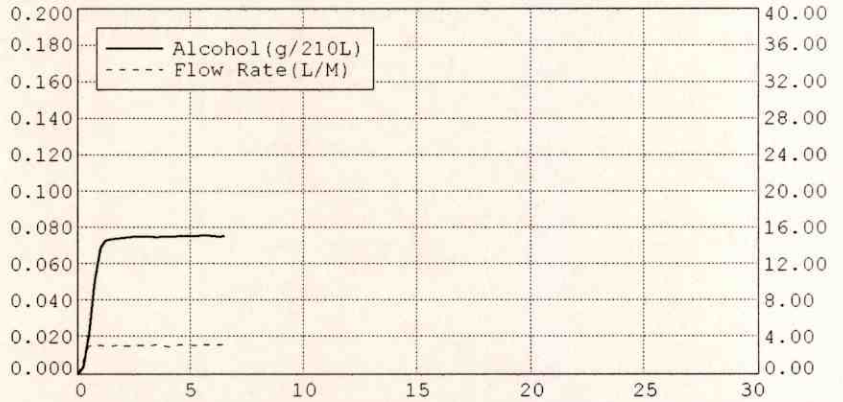
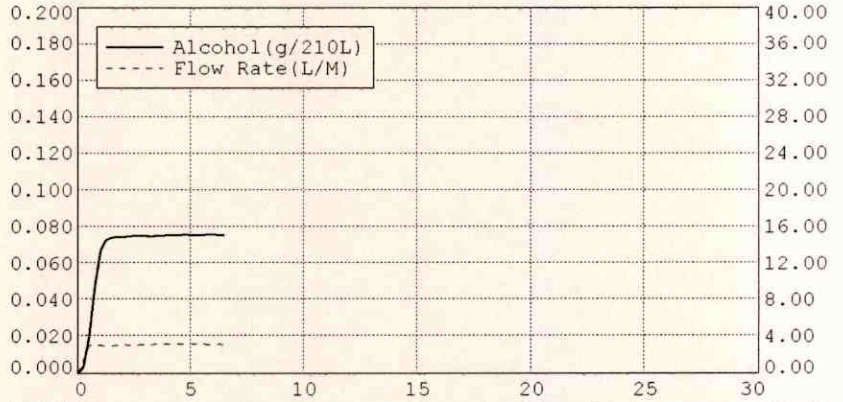
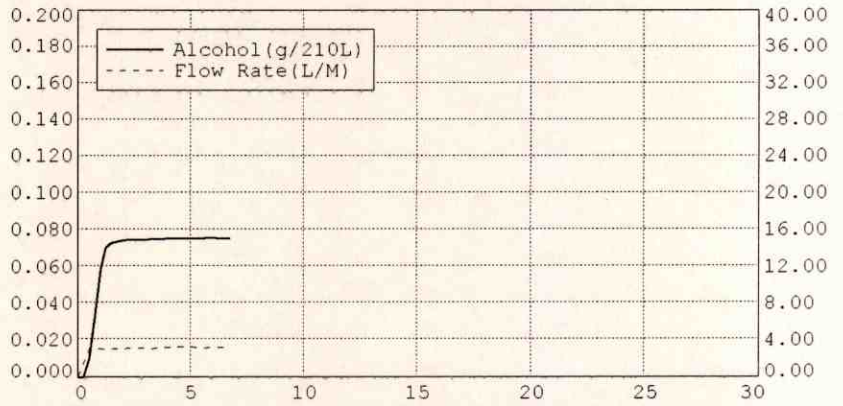
SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.46: 0.079  
TANK PRESSURE: 1147 psi

BLANK TEST	0.000	12:22
INTERNAL STANDARD	VERIFIED	12:22
EXTERNAL STANDARD	0.076	12:22
BLANK TEST	0.000	12:23
EXTERNAL STANDARD	0.077	12:23
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.077	12:24
BLANK TEST	0.000	12:25
EXTERNAL STANDARD	0.077	12:25
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.077	12:26
BLANK TEST	0.000	12:27

Average = 0.0768  
Std Dev = 0.0004

AG018102 Tank009  
Exp: 6/29/22  
BMB 8/21/20





DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100671  
-----

Date: 08/21/2020  
Time: 10:33:12

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 = 46.5°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.67 V PASSED  
(1.01 V - 2.37 V)  
Cooler Voltage = 1.76 V PASSED  
(1.00 V - 2.32 V)  
Bias Voltage = 78 V PASSED  
(47 V - 111 V)  
Chopper Freq = 544 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.699 L/M PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED  
(0.001 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 = 0.100 1.78% (0.00% - 4.00%) PASSED



Technician Screen

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

Date: 08/21/2020  
Time: 10:50 AM

Temperatures (°C)

Sample Cell: 48.7°C  
Breath Tube: 46.7°C

Current Barometer 29.5 in  
Volume (Ltr) 0.00

Settings

Lamp: 1.69 V  
Bias: 78 V  
Cooler: 1.78 V  
Chopper: 542 Hz

Voltages (V)

Flow: 1.07 V  
Detector: 0.057 V

LINEARITY CHECK

Alaska Department of Public Safety  
DATAMASTER dmt: 100671

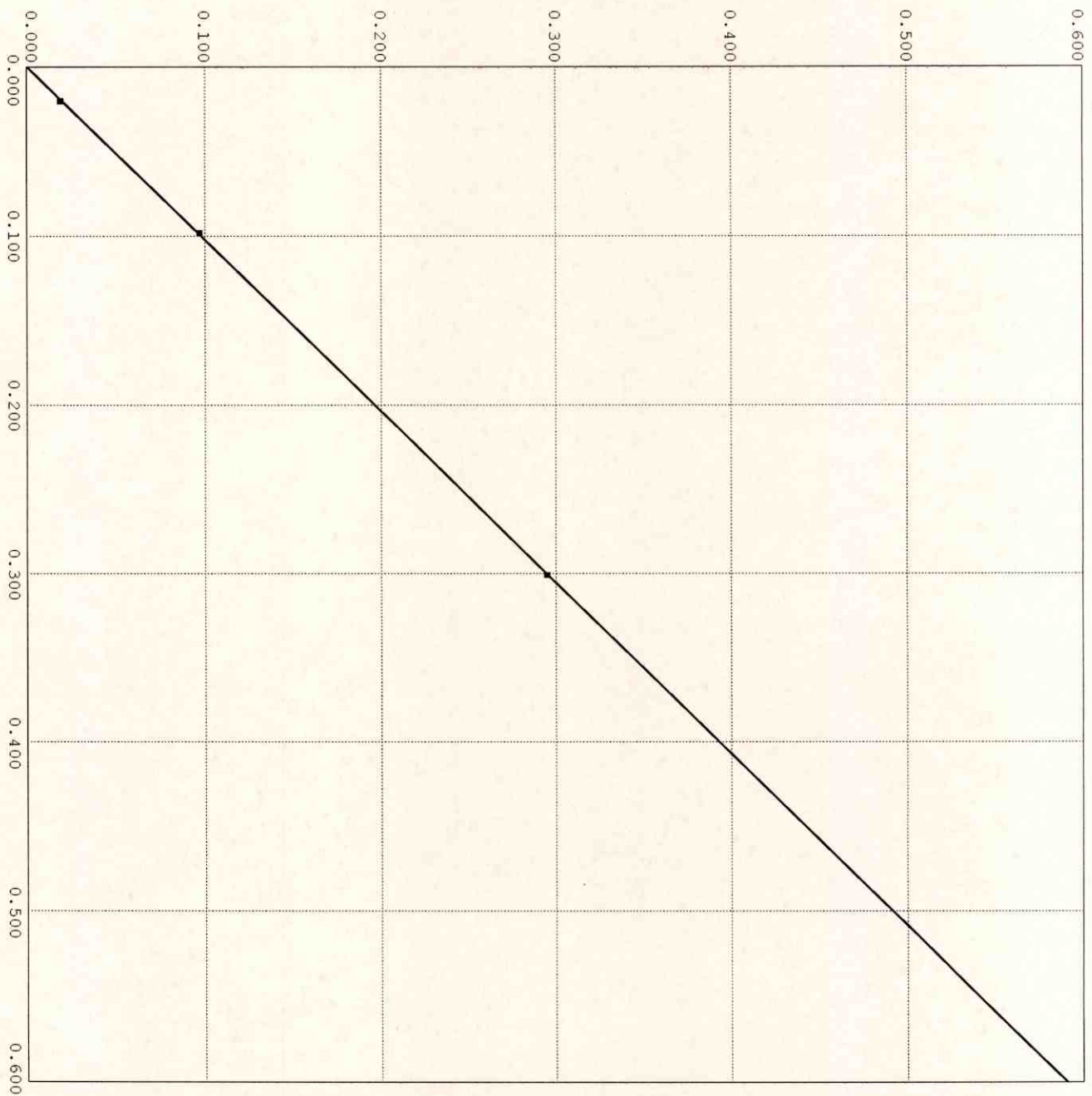
Date: 08/21/2020  
Time: 11:16:19

SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0196	0.0005
0.098	0.0980	0.0000
0.300	0.2956	0.0005

SLOPE = 0.984216  
R<sup>2</sup> = 0.999965

*BB*





LINEARITY CHECK: Control Test 1

-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100671  
 -----

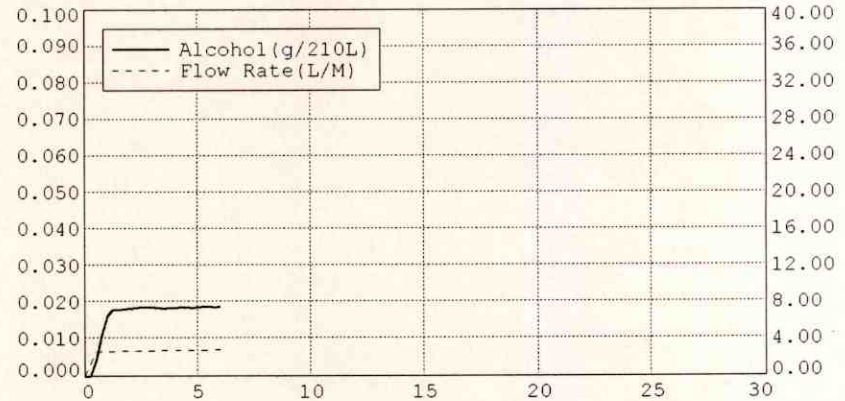
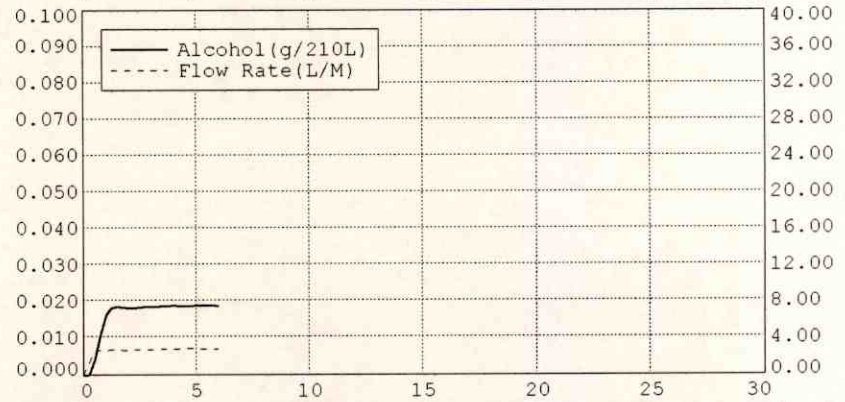
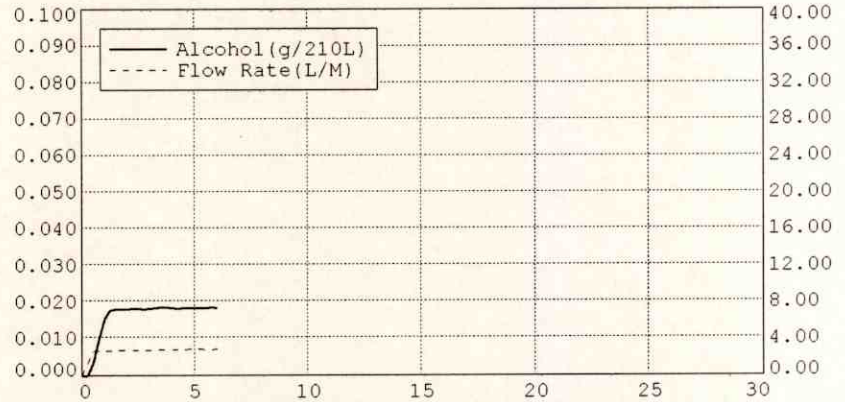
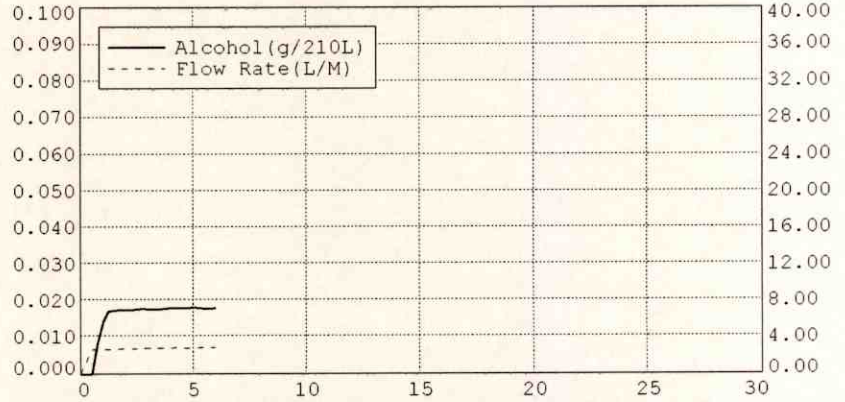
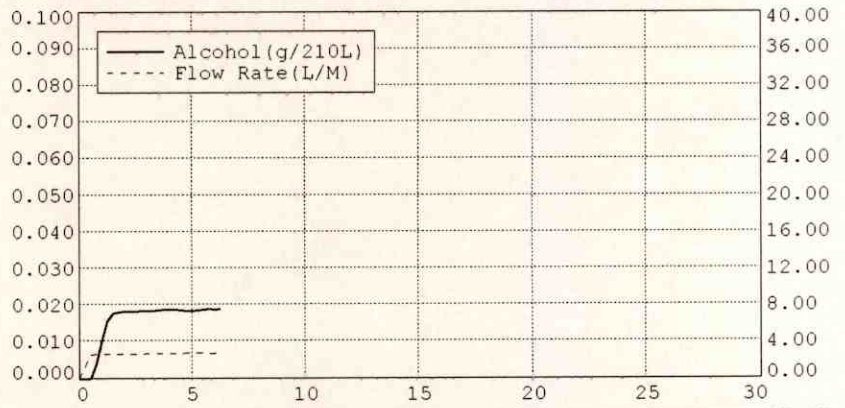
Date: 08/21/2020  
 Time: 11:16:21

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.45: 0.020  
 LOT #: AG928203  
 EXPIRATION: 10/09/2021  
 TANK PRESSURE: 763 psi

BLANK TEST	0.000	11:17
INTERNAL STANDARD	VERIFIED	11:17
EXTERNAL STANDARD	0.020	11:18
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.019	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.019	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.020	11:21
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.020	11:22
BLANK TEST	0.000	11:23

Average = 0.0196  
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

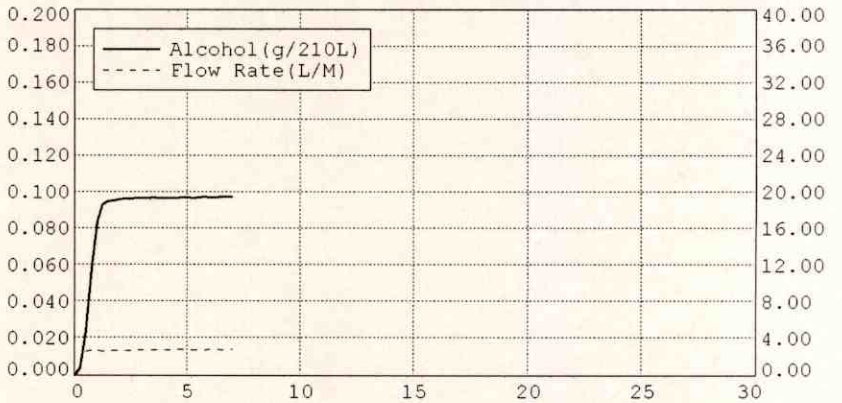
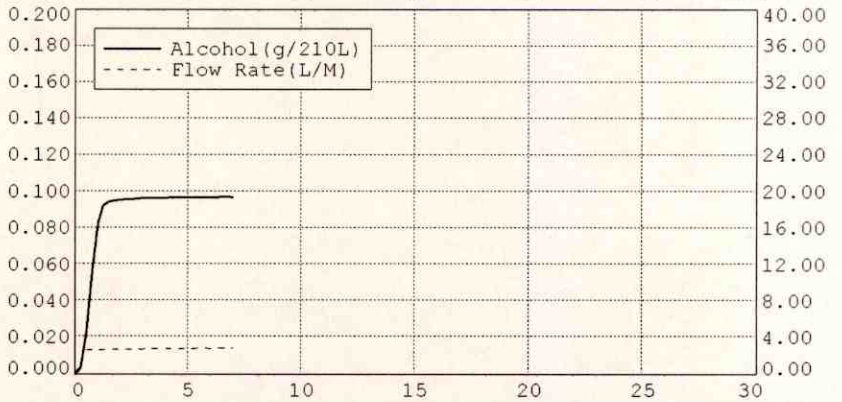
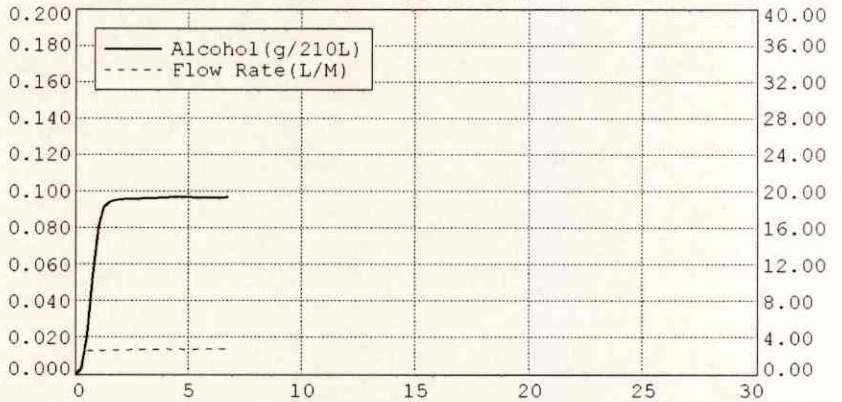
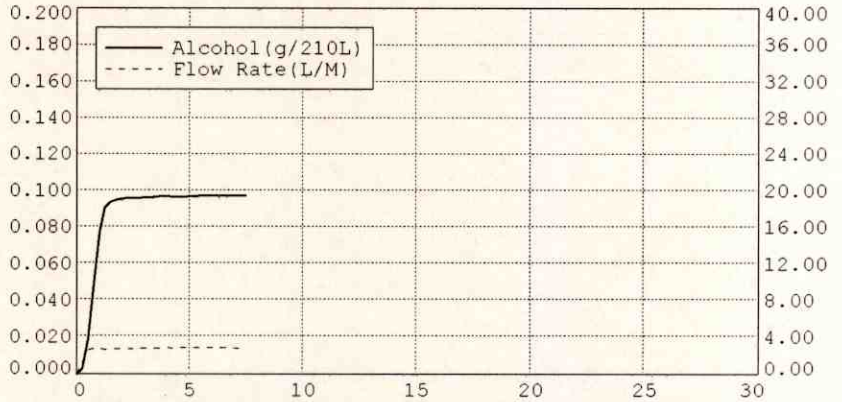
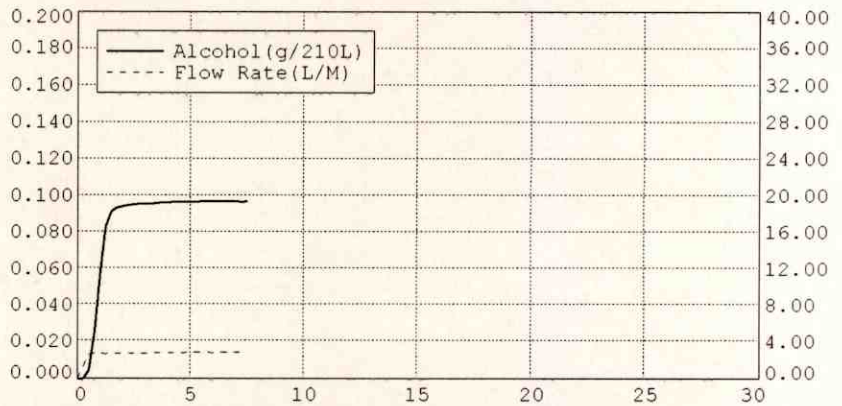
Date: 08/21/2020  
 Time: 11:26:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.45: 0.098  
 LOT #: AG924701  
 EXPIRATION: 09/04/2021  
 TANK PRESSURE: 851 psi

BLANK TEST	0.000	11:27
INTERNAL STANDARD	VERIFIED	11:27
EXTERNAL STANDARD	0.098	11:28
BLANK TEST	0.000	11:28
EXTERNAL STANDARD	0.098	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.098	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.098	11:31
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.098	11:32
BLANK TEST	0.000	11:33

Average = 0.0980  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100671

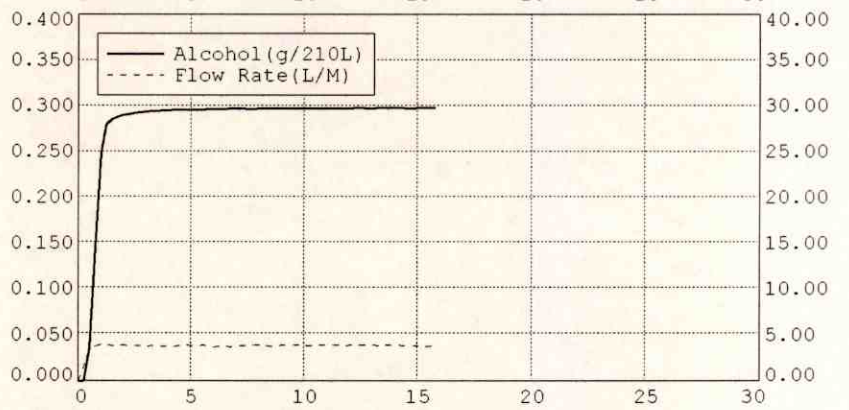
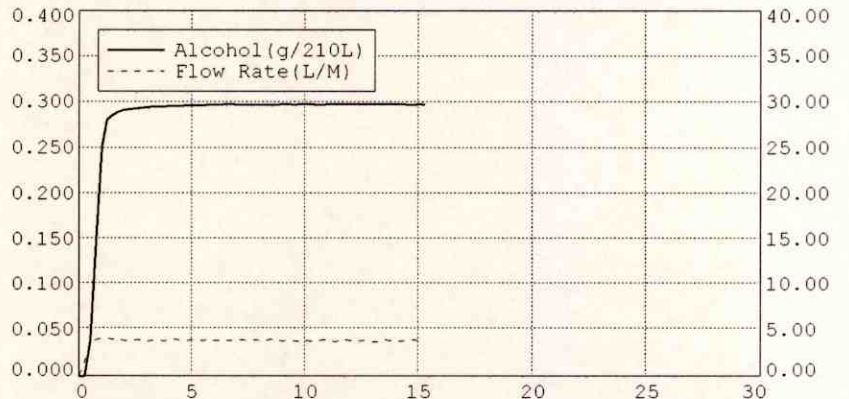
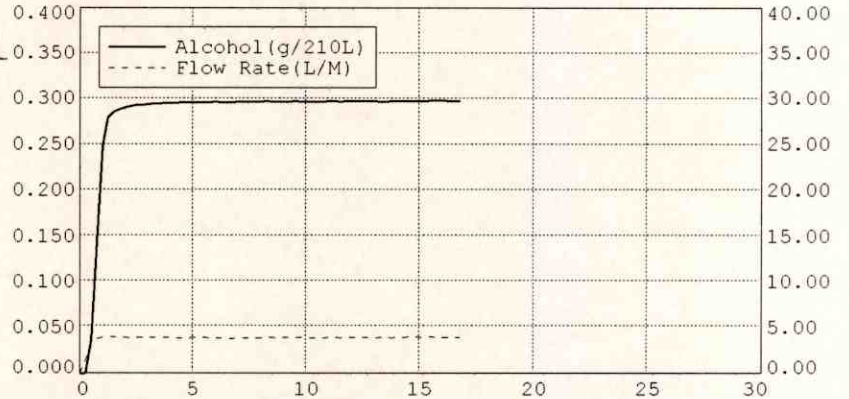
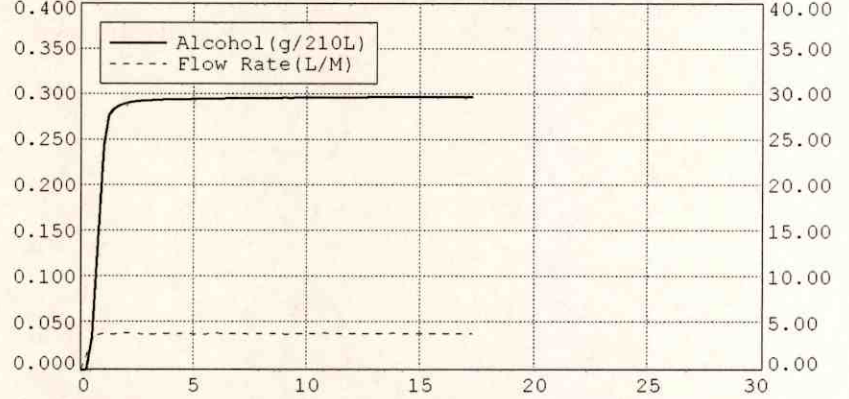
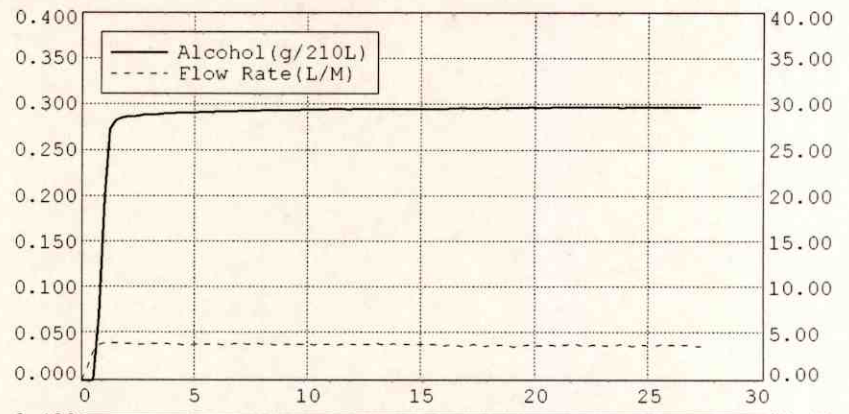
Date: 08/21/2020  
 Time: 11:36:52

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 LOT #: GUTH 19330  
 EXPIRATION: 11/13/2021

BLANK TEST	0.000	11:37
INTERNAL STANDARD	VERIFIED	11:38
EXTERNAL STANDARD	0.295	11:38
BLANK TEST	0.000	11:39
EXTERNAL STANDARD	0.295	11:39
BLANK TEST	0.000	11:40
EXTERNAL STANDARD	0.296	11:41
BLANK TEST	0.000	11:42
EXTERNAL STANDARD	0.296	11:42
BLANK TEST	0.000	11:43
EXTERNAL STANDARD	0.296	11:43
BLANK TEST	0.000	11:44

Average = 0.2956  
 Std Dev = 0.0005

Simulator Information  
 DR 4177  
 Cal: 10/8/19  
 BMB 8/24/20



DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100405  
-----

Date: 08/21/2020  
Time: 10:13:55

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 = 46.3°C PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.72 V PASSED  
(1.01 V - 2.37 V)  
Cooler Voltage = 1.69 V PASSED  
(1.01 V - 2.37 V)  
Bias Voltage = 81 V PASSED  
(49 V - 113 V)  
Chopper Freq = 528 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.5 in

PUMP INFO

Flow Rate = 4.990 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 = 0.088 0.20% (0.00% - 4.00%)



Technician Screen

-----  
DATAMASTER dmt: 100405  
-----

Date: 08/21/2020  
Time: 10:30 AM

Temperatures (°C)

Sample Cell: 48.7°C  
Breath Tube: 46.2°C

Current Barometer 29.5 in  
Volume (Ltr) 0.00

Settings

Lamp: 1.74 V  
Bias: 81 V  
Cooler: 1.69 V  
Chopper: 527 Hz

Voltages (V)

Flow: 1.05 V  
Detector: 0.052 V

LINEARITY CHECK

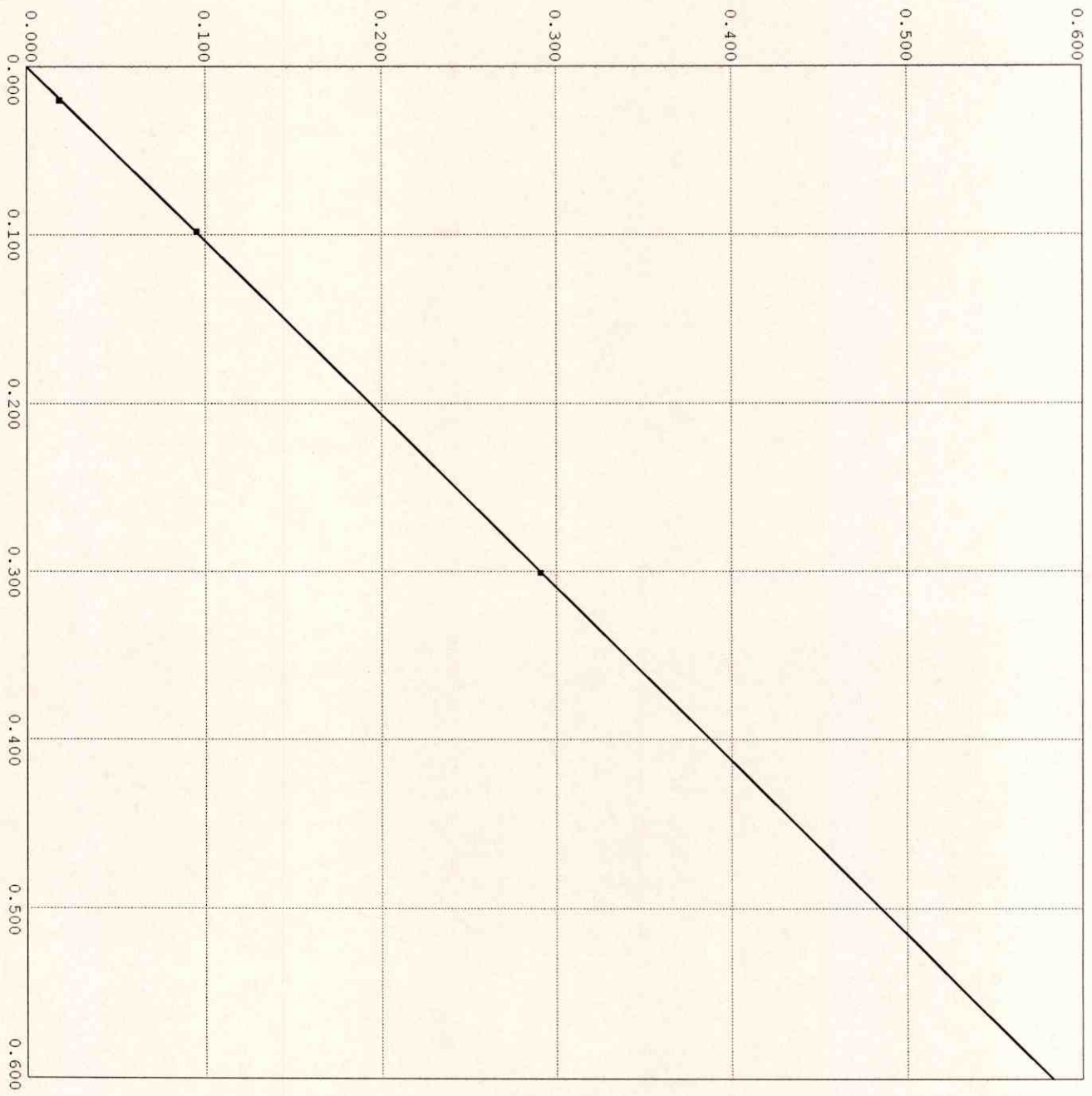
Alaska Department of Public Safety  
DATAMASTER dmt: 100405

Date: 08/21/2020  
Time: 10:42:28

SUPERVISOR NAME:  
BRANDI BARNETT  
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0190	0.0000
0.098	0.0962	0.0004
0.300	0.2916	0.0005

SLOPE = 0.972323  
R<sup>2</sup> = 0.999975



BMB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
DATAMASTER dmt: 100405

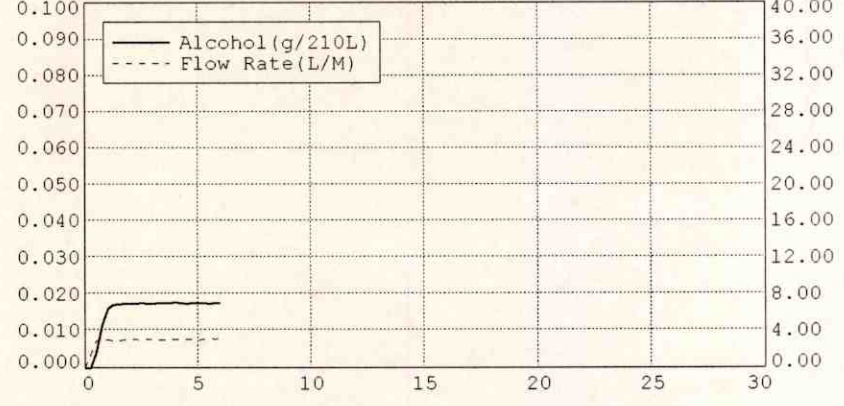
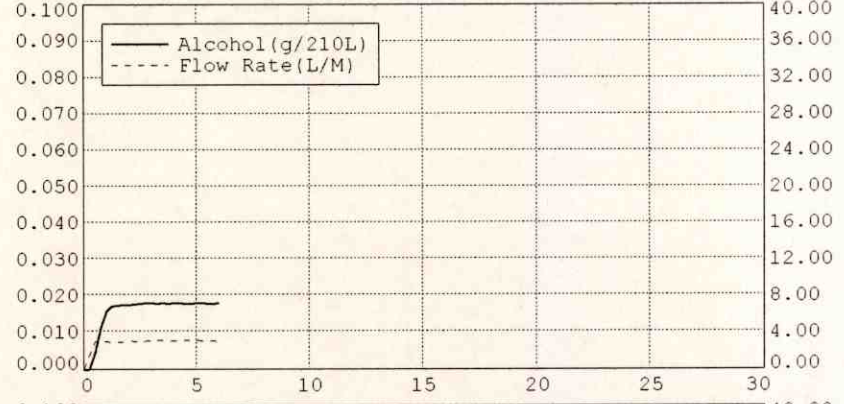
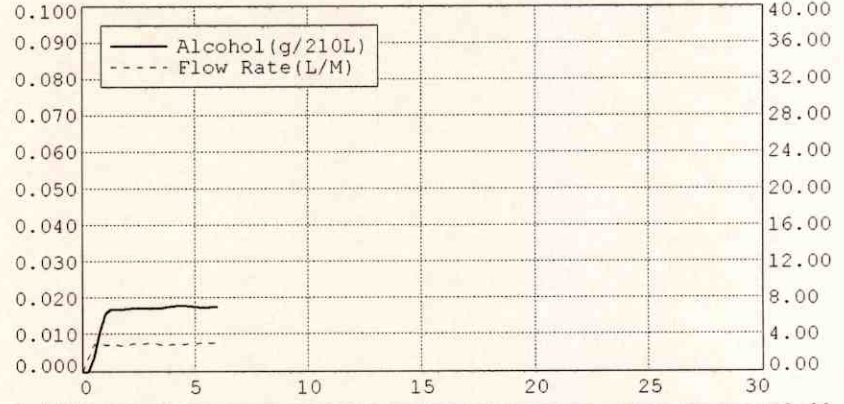
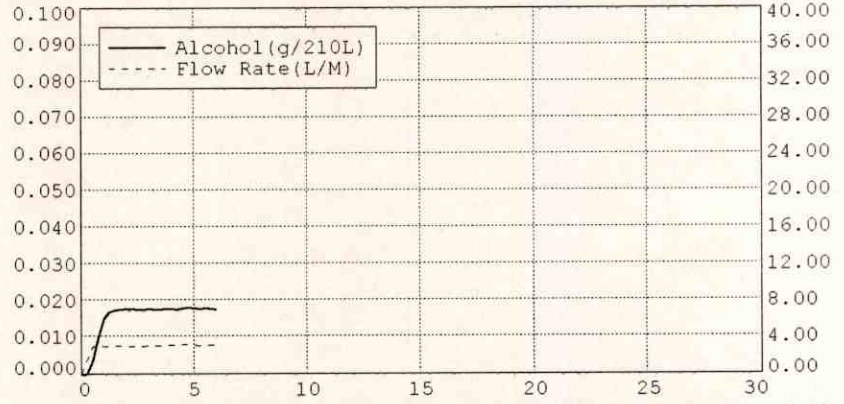
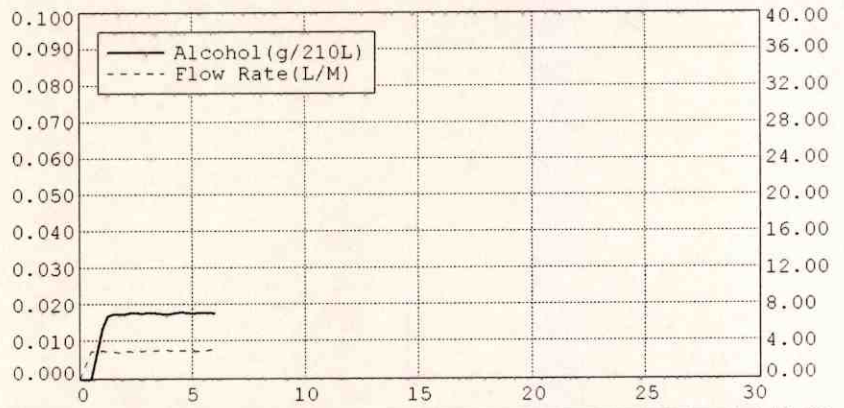
Date: 08/21/2020  
Time: 10:42:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
TARGET AT 29.46: 0.020  
LOT #: AG928203  
EXPIRATION: 10/09/2021  
TANK PRESSURE: 773 psi

BLANK TEST	0.000	10:47
INTERNAL STANDARD	VERIFIED	10:48
EXTERNAL STANDARD	0.019	10:48
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.019	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.019	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.019	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.019	10:52
BLANK TEST	0.000	10:53

Average = 0.0190  
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100405

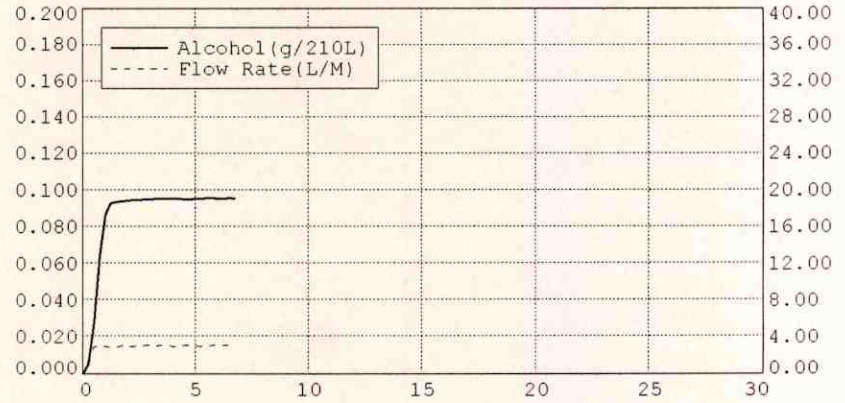
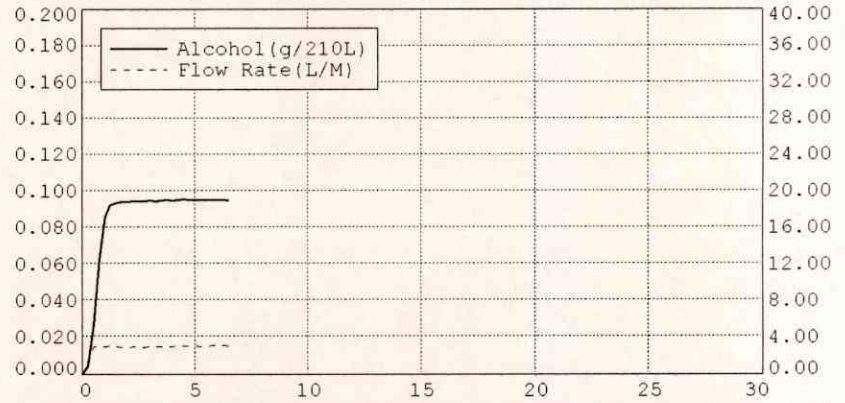
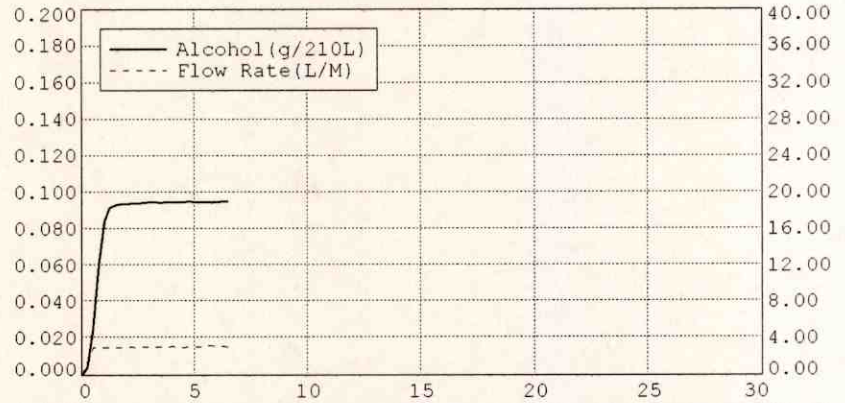
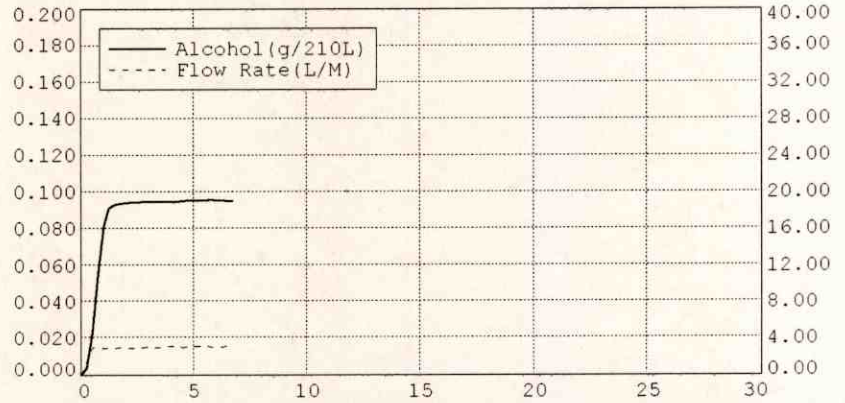
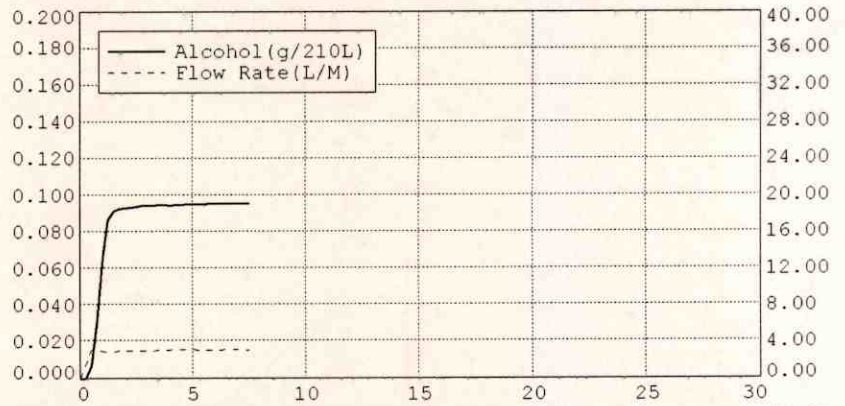
Date: 08/21/2020  
 Time: 10:56:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.45: 0.098  
 LOT #: AG924701  
 EXPIRATION: 09/04/2021  
 TANK PRESSURE: 864 psi

BLANK TEST	0.000	10:57
INTERNAL STANDARD	VERIFIED	10:57
EXTERNAL STANDARD	0.096	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.096	10:59
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.096	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.096	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.097	11:02
BLANK TEST	0.000	11:03

Average = 0.0962  
 Std Dev = 0.0004





LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100405

Date: 08/21/2020  
 Time: 11:06:11

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 LOT #: GUTH 19330  
 EXPIRATION: 11/13/2021

BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.291	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.292	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.291	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.292	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.292	11:13
BLANK TEST	0.000	11:14

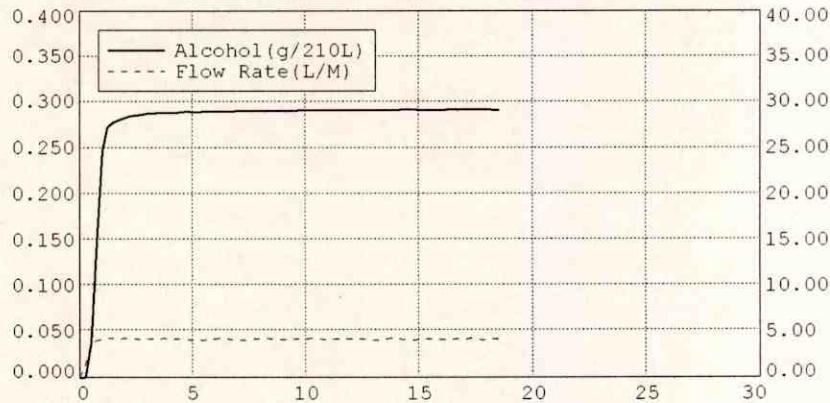
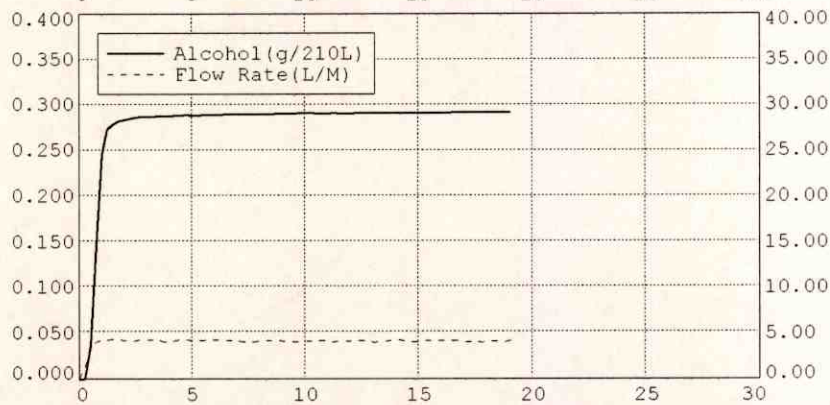
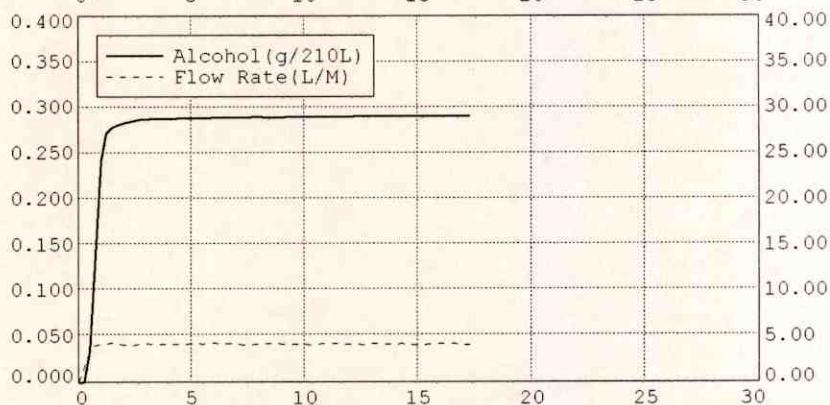
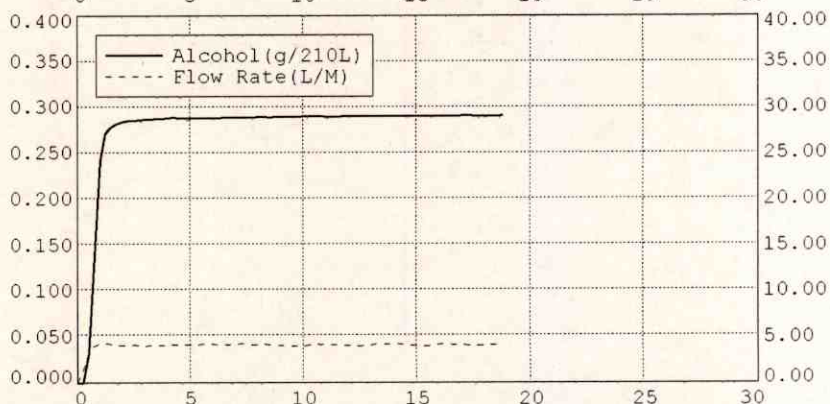
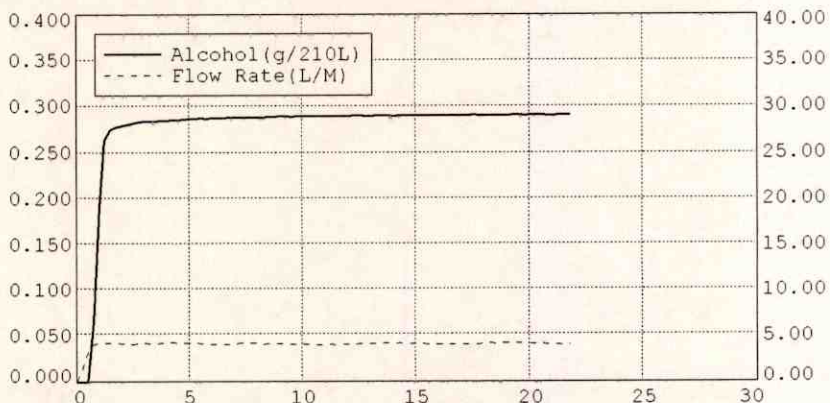
Average = 0.2916  
 Std Dev = 0.0005

Simulator Info.

DR4177

Cal: 10/8/19

BMB 8/24/20



DIAGNOSTIC RECORD

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

Date: 08/21/2020  
Time: 09:31:16

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

TEMPERATURES

Sample Chamber = 48.7°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 = 1.89 V PASSED  
(1.26 V - 2.94 V)  
Bias Voltage = 78 V PASSED  
(48 V - 112 V)  
Chopper Freq = 523 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.5 in

PUMP INFO

Flow Rate = 4.970 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 0.19% (0.00% - 4.00%) PASSED



Technician Screen

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

Date: 08/21/2020  
Time: 9:46 AM

Temperatures (°C)  
Sample Cell: 49.0°C  
Breath Tube: 48.1°C

Current Barometer 29.5 in  
Volume (Ltr) 0.00

Settings  
Lamp: 2.33 V  
Bias: 78 V  
Cooler: 1.92 V  
Chopper: 523 Hz

Voltages (V)  
Flow: 1.05 V  
Detector: 0.095 V

LINEARITY CHECK

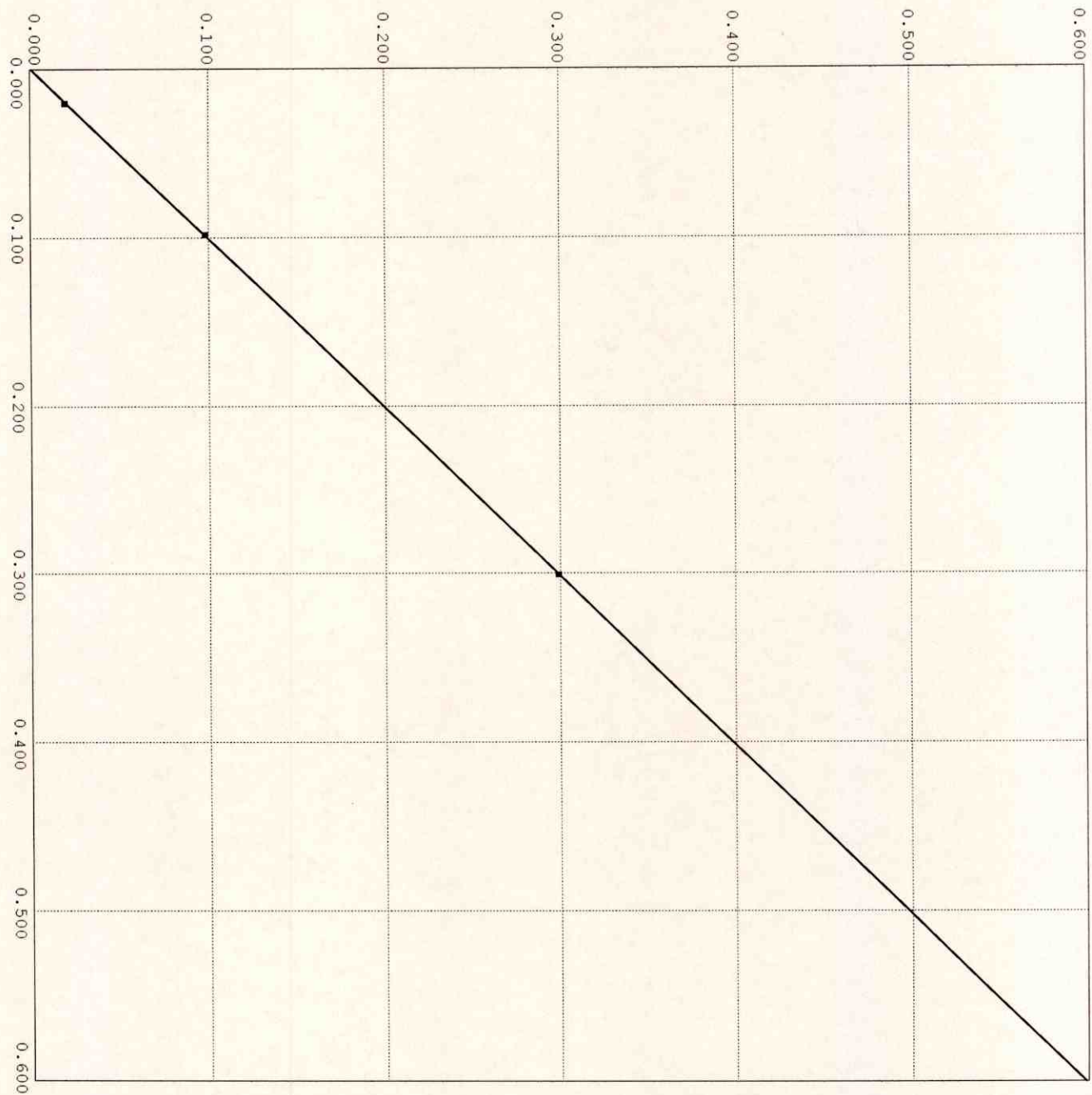
Alaska Department of Public Safety  
DATAMASTER dmt: 100353

Date: 08/21/2020  
Time: 09:49:35

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	0.2996	0.0005

SLOPE = 0.996900  
R<sup>2</sup> = 0.999986



*BMB*



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

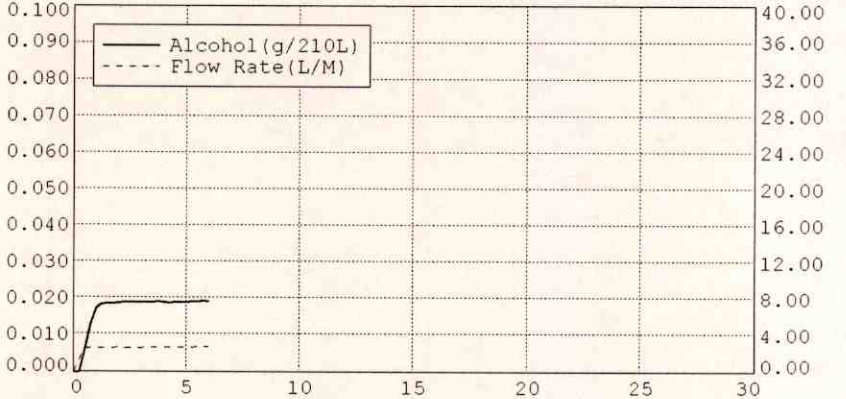
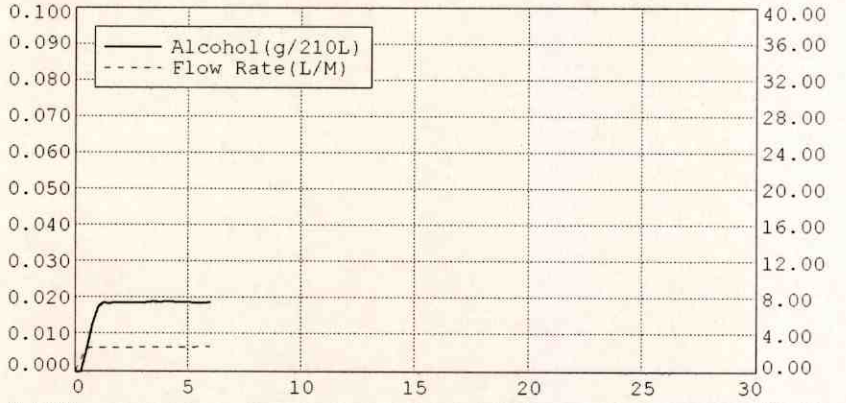
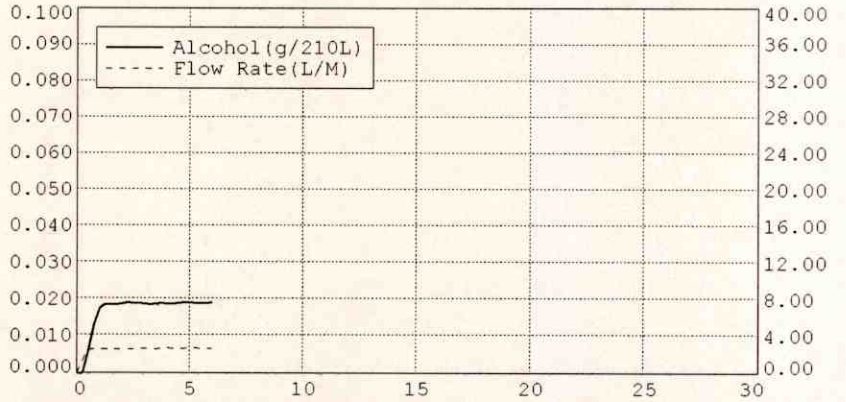
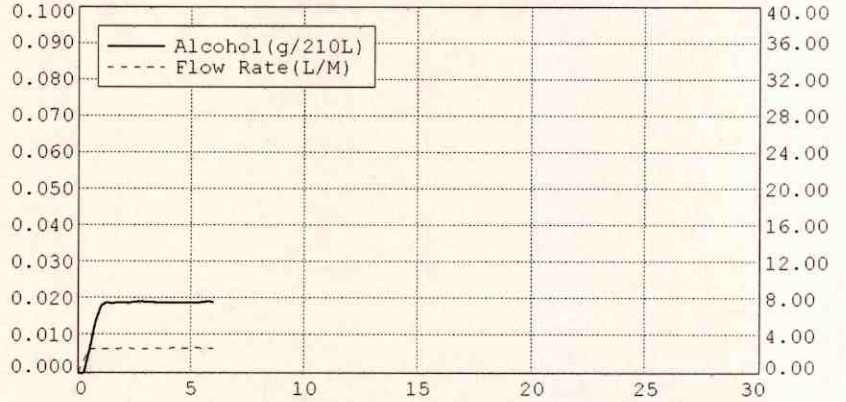
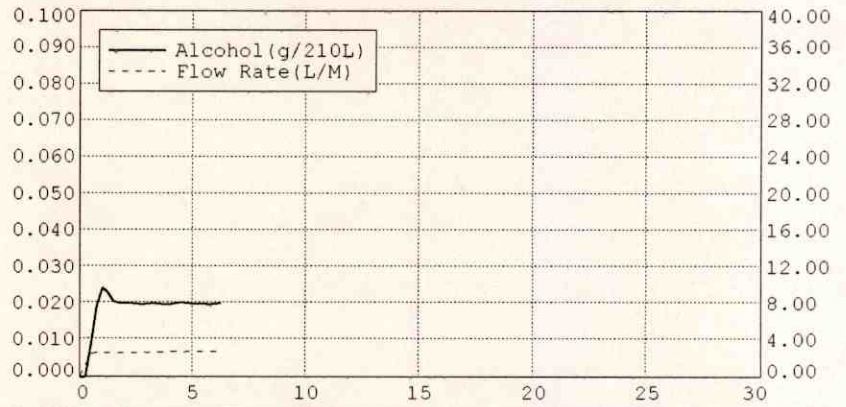
Date: 08/21/2020  
 Time: 09:49:37

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020  
 TARGET AT 29.45: 0.020  
 LOT #: AG928203  
 EXPIRATION: 10/09/2021  
 TANK PRESSURE: 789 psi

BLANK TEST	0.000	09:51
INTERNAL STANDARD	VERIFIED	09:51
EXTERNAL STANDARD	0.021	09:51
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.020	09:52
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.020	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.020	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.020	09:55
BLANK TEST	0.000	09:56

Average = 0.0202  
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

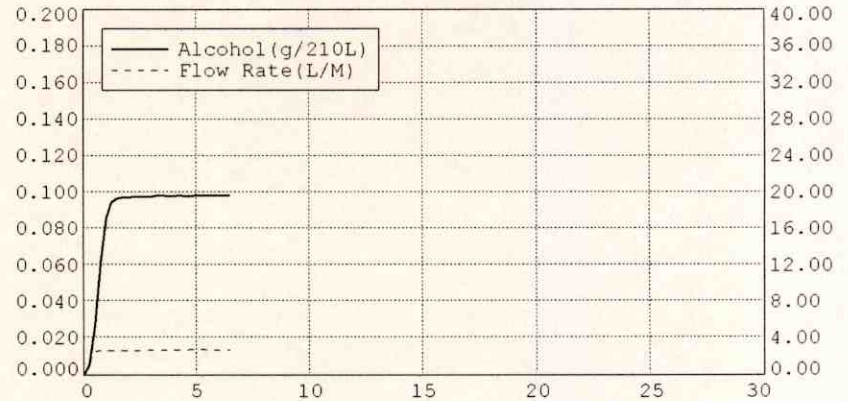
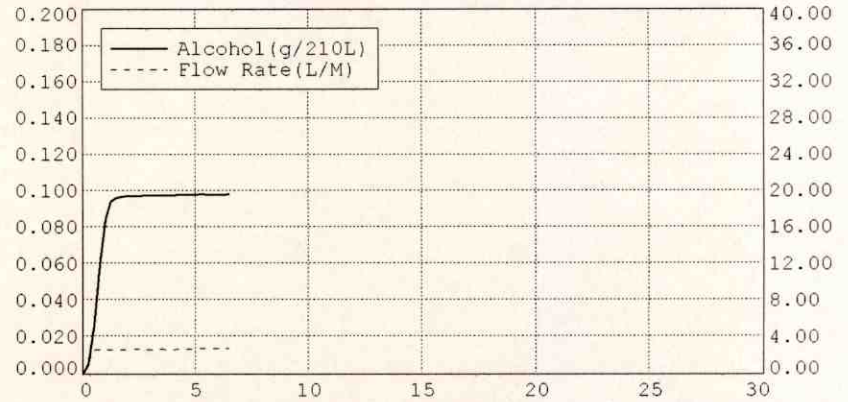
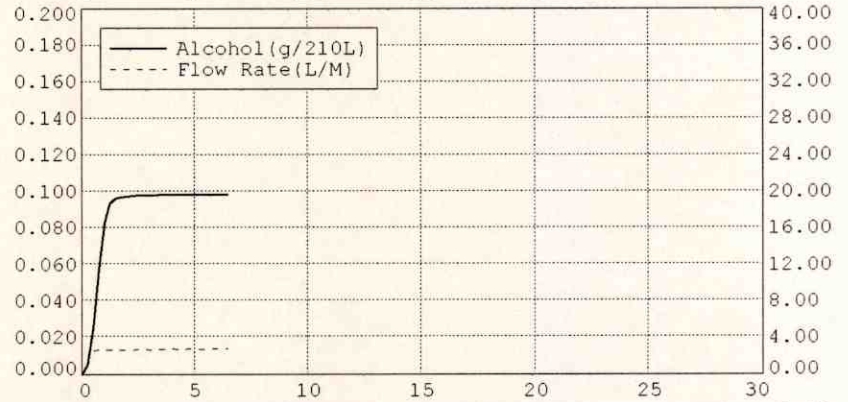
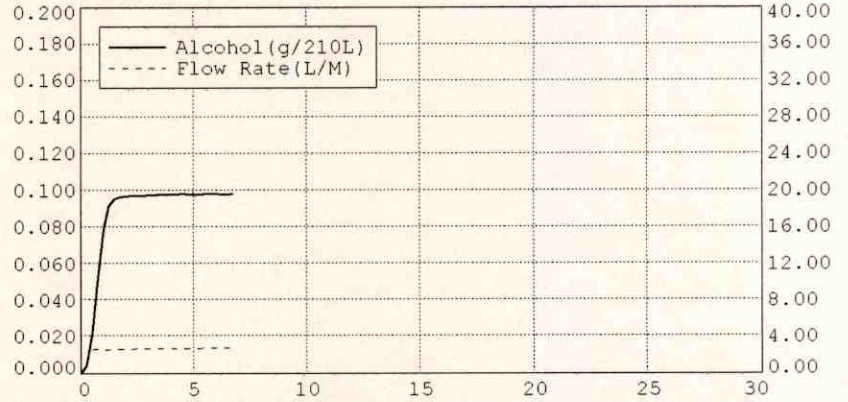
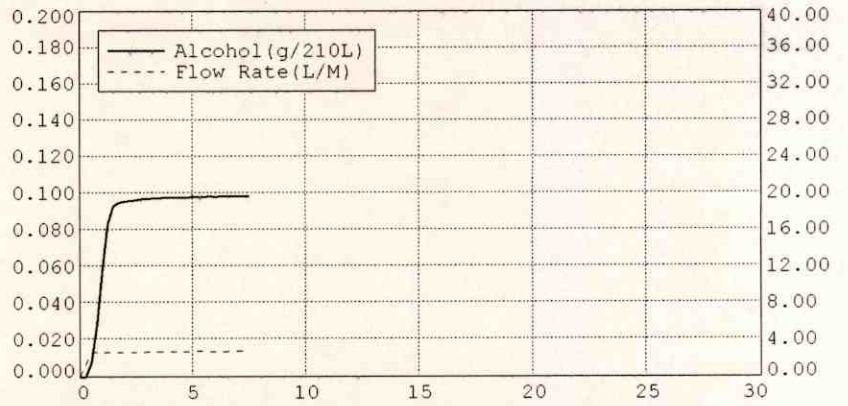
Date: 08/21/2020  
 Time: 09:58:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100  
 TARGET AT 29.45: 0.098  
 LOT #: AG924701  
 EXPIRATION: 09/04/2021  
 TANK PRESSURE: 882 psi

BLANK TEST	0.000	09:59
INTERNAL STANDARD	VERIFIED	09:59
EXTERNAL STANDARD	0.099	09:59
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.099	10:00
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.099	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.099	10:03
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.099	10:04
BLANK TEST	0.000	10:05

Average = 0.0990  
 Std Dev = 0.0000





LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety  
 DATAMASTER dmt: 100353

Date: 08/21/2020  
 Time: 10:13:07

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.300  
 LOT #: GUTH 19330  
 EXPIRATION: 11/13/2021

BLANK TEST	0.000	10:14
INTERNAL STANDARD	VERIFIED	10:15
EXTERNAL STANDARD	0.299	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.299	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.300	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.300	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.300	10:21
BLANK TEST	0.000	10:22

Average = 0.2996  
 Std Dev = 0.0005

Simulator Info

DR4177

Cal: 10/8/19

BMB 8/24/20

