



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: 27-Aug-2019

Lot # AG923401 Model 108cadd

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
22-Aug-2021	108	Ethanol	0.080 ± 0.002 BrAC (208 ppm)
		Nitrogen	Balance

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

<u>RGM Serial No.</u>	<u>Concentration</u>	<u>RGM 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

<u>CRM Serial No.</u>	<u>Concentration</u>	<u>CRM Serial No.</u>	<u>Concentration</u>
CC434668	800.0 ppm	0056649	390.1 ppm
CC234503	253.0 ppm	0056662	150.2 ppm

Analytical Method: NDIR

Digitally signed by Quality Control
Date: 2019.08.28 09:58:31 -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: 100353

Date: 10/02/2019
 Time: 10:59:28

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

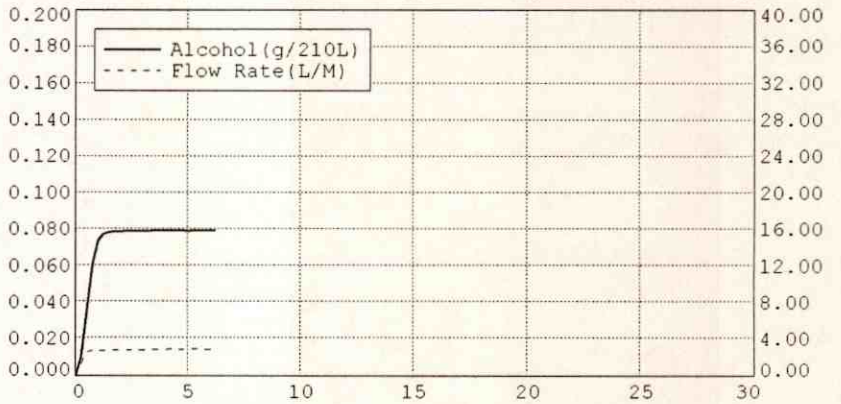
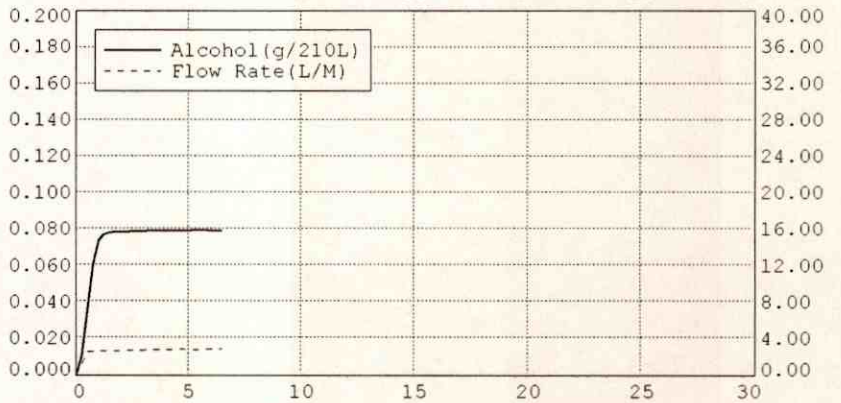
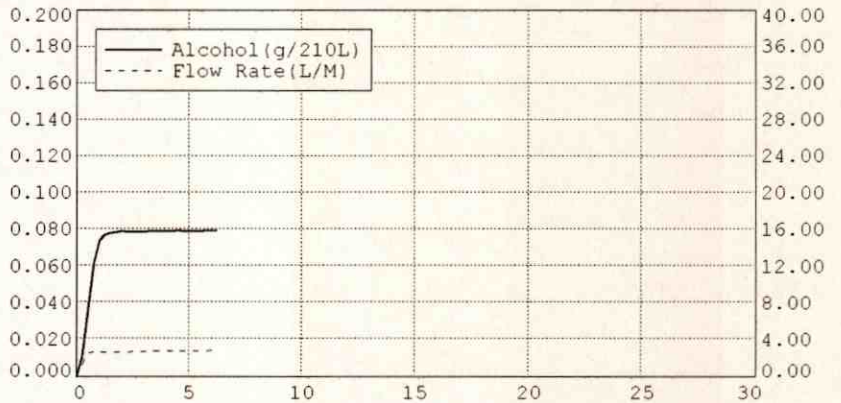
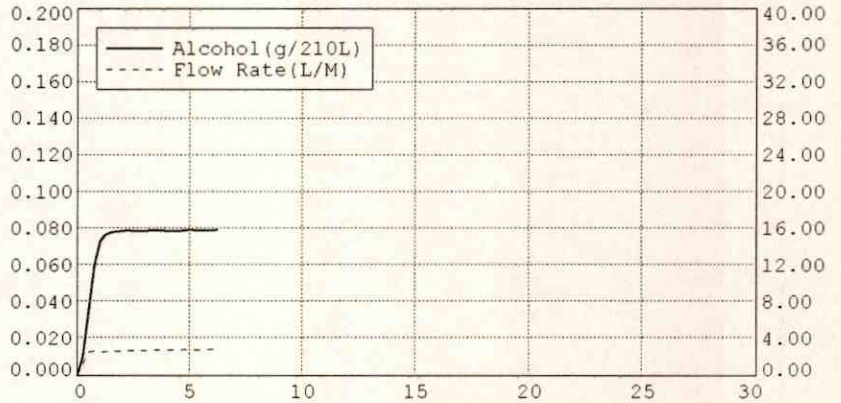
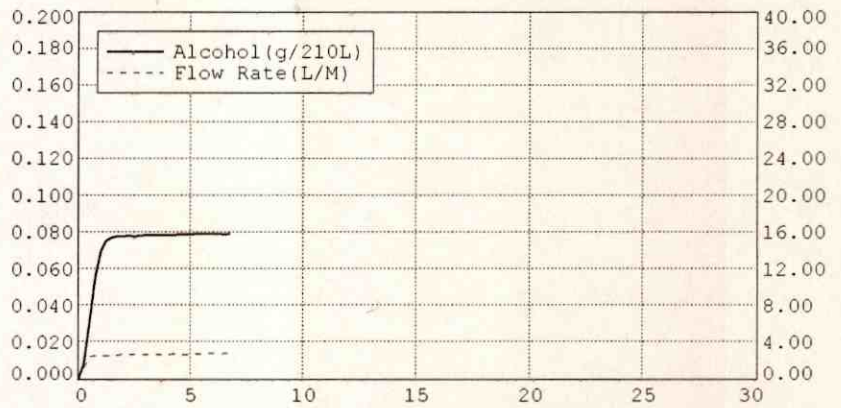
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.67: 0.079
 TANK PRESSURE: 1204 psi

BLANK TEST	0.000	11:00
INTERNAL STANDARD	VERIFIED	11:00
EXTERNAL STANDARD	0.080	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.080	11:02
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.080	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.080	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.080	11:05
BLANK TEST	0.000	11:06

Average = 0.0800
 Std Dev = 0.0000

AG 923401 Exp: 8/22/21
 Tank# 067
 BMB 10/2/19

Average Value Tank#67
 = 0.079
 BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 10/02/2019
Time: 10:59:58

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

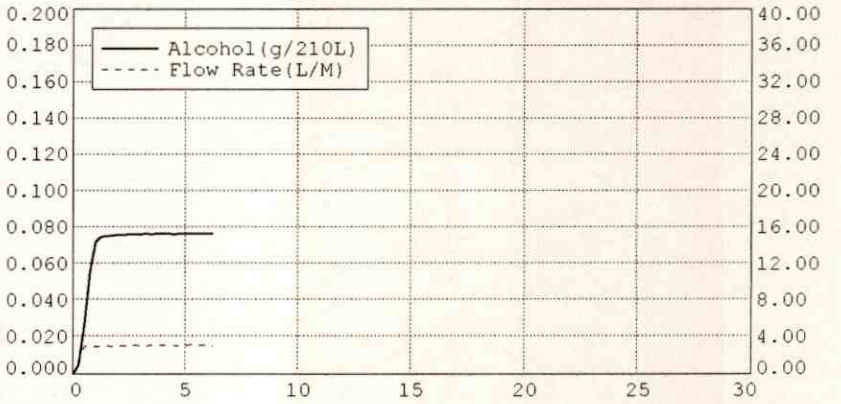
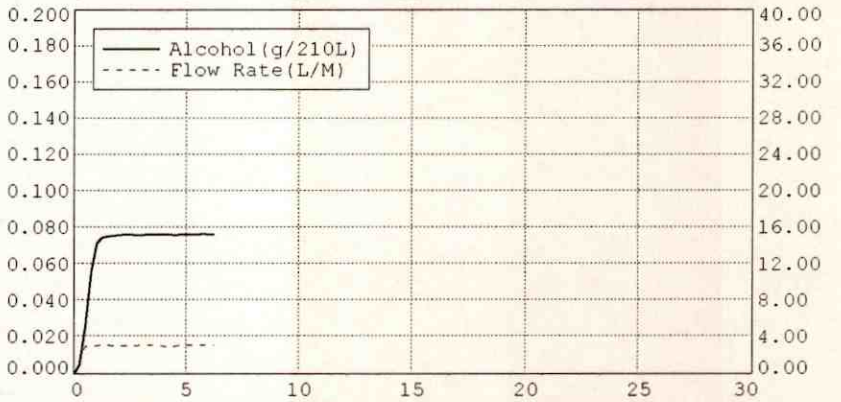
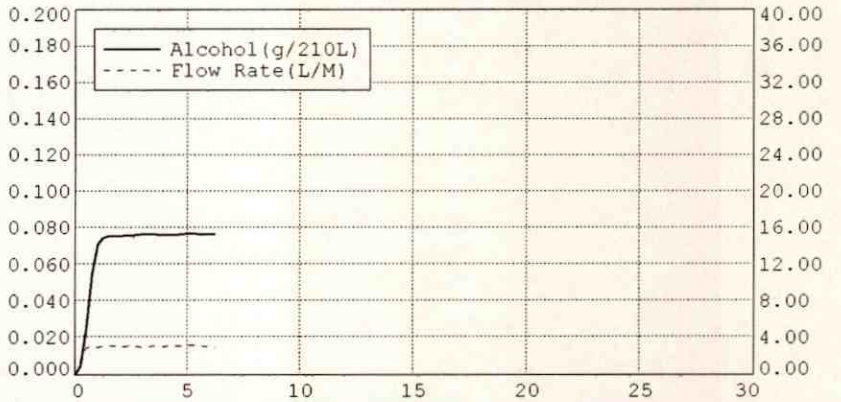
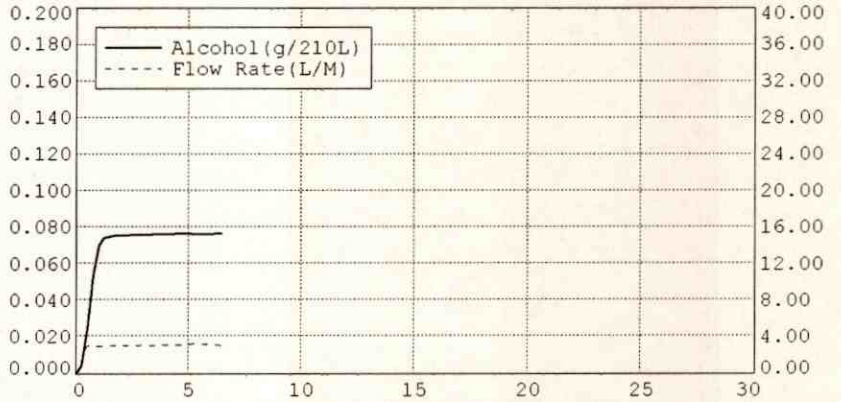
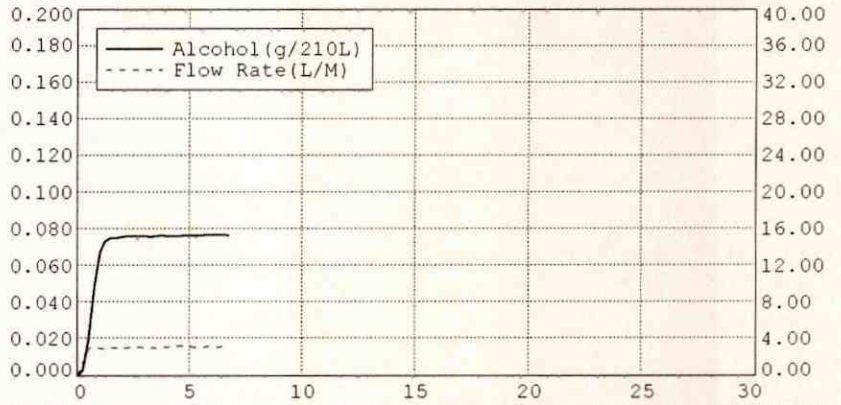
EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.65: 0.079
TANK PRESSURE: 1192 psi

BLANK TEST	0.000	11:01
INTERNAL STANDARD	VERIFIED	11:01
EXTERNAL STANDARD	0.078	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.077	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.078	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.077	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.077	11:05
BLANK TEST	0.000	11:06

Average = 0.0774
Std Dev = 0.0005

AG 923401 Exp: 8/22/21

Tank # 067
BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

Date: 10/02/2019
 Time: 11:17:27

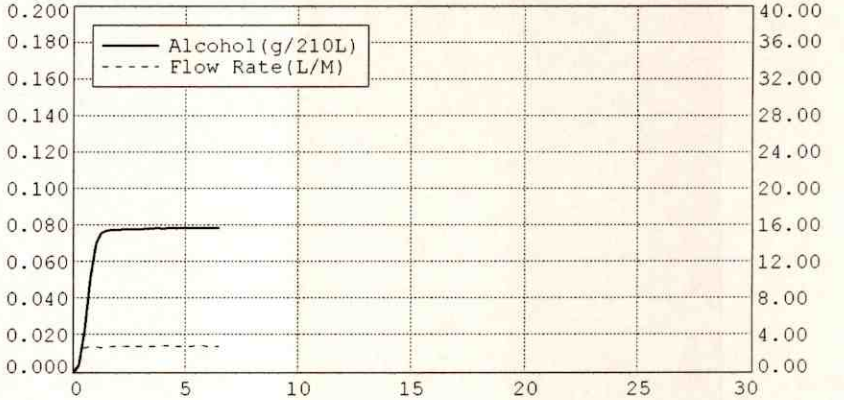
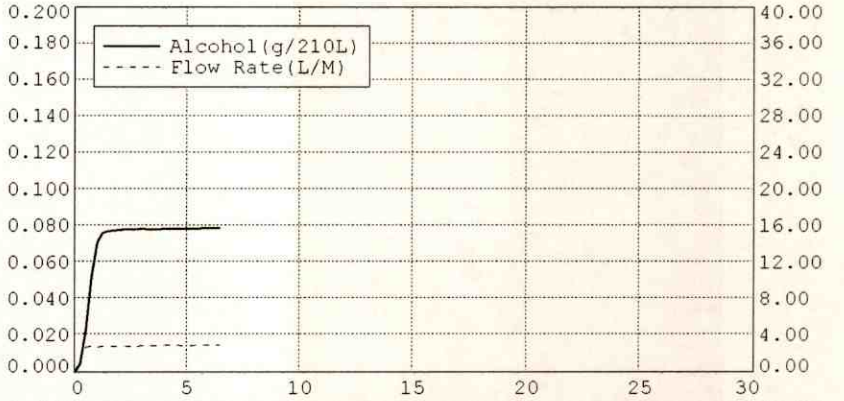
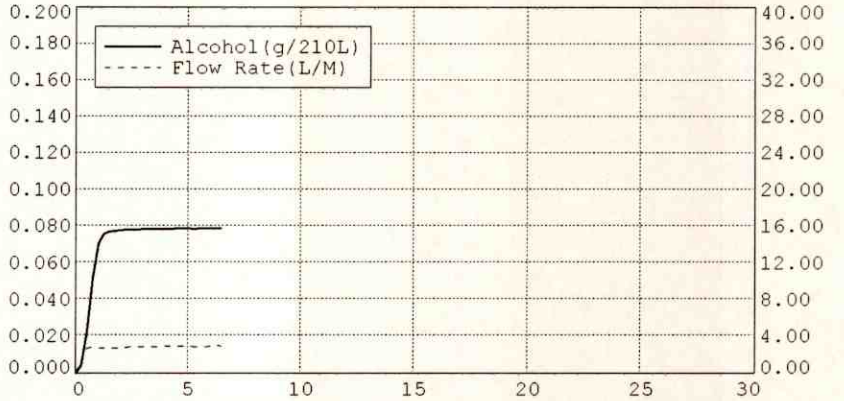
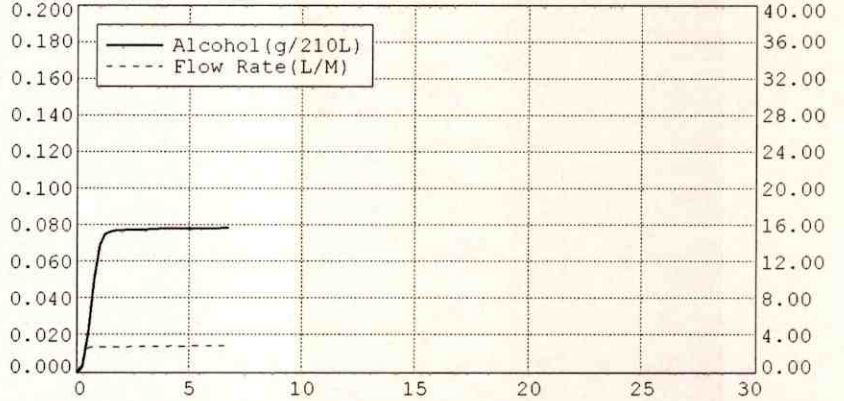
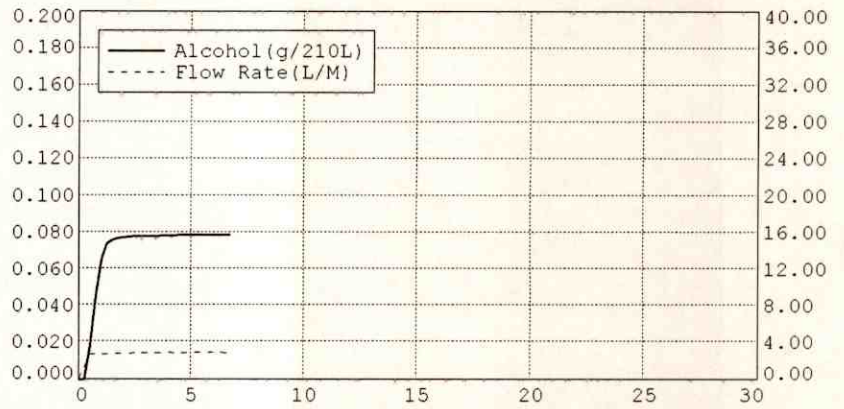
SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.66: 0.079
 TANK PRESSURE: 1180 psi

BLANK TEST	0.000	11:18
INTERNAL STANDARD	VERIFIED	11:18
EXTERNAL STANDARD	0.080	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.079	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.080	11:21
BLANK TEST	0.000	11:21
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 = 0.0794
 Std Dev = 0.0005

AG923401 Exp: 8/22/21
 Tank # 067
 BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100353

Date: 10/02/2019
Time: 10:49:41

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
TANK PRESSURE: 1197 psi

BLANK TEST	0.000	10:50
INTERNAL STANDARD	VERIFIED	10:50
EXTERNAL STANDARD	0.080	10:51
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.080	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.080	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.080	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.079	10:55
BLANK TEST	0.000	10:56

Average = 0.0798
Std Dev = 0.0004

AG 923401 Exp: 8/22/21

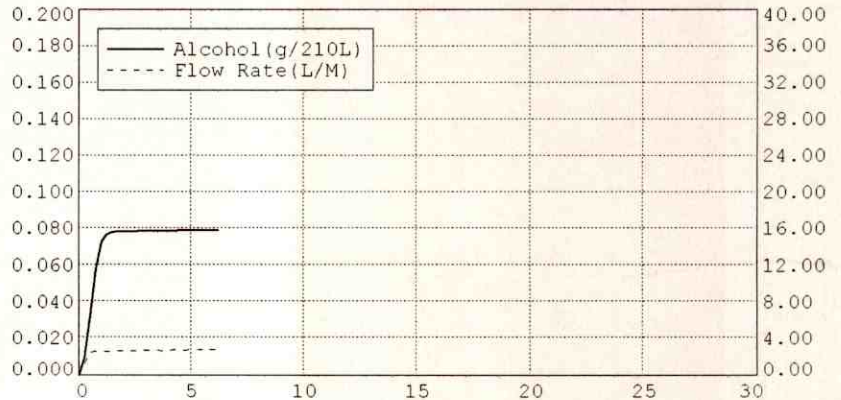
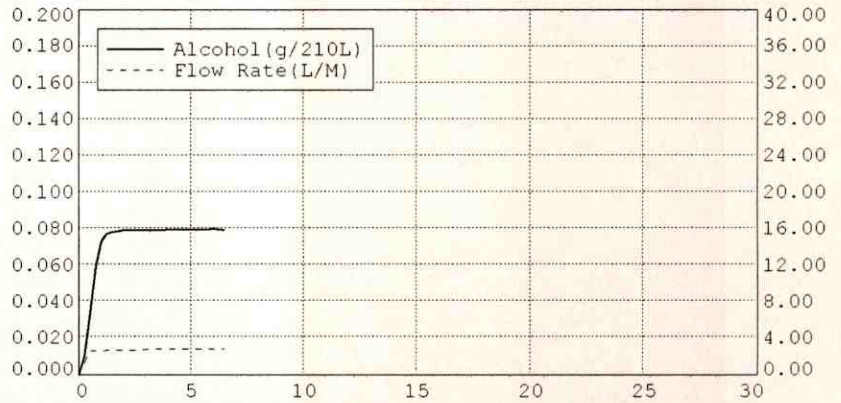
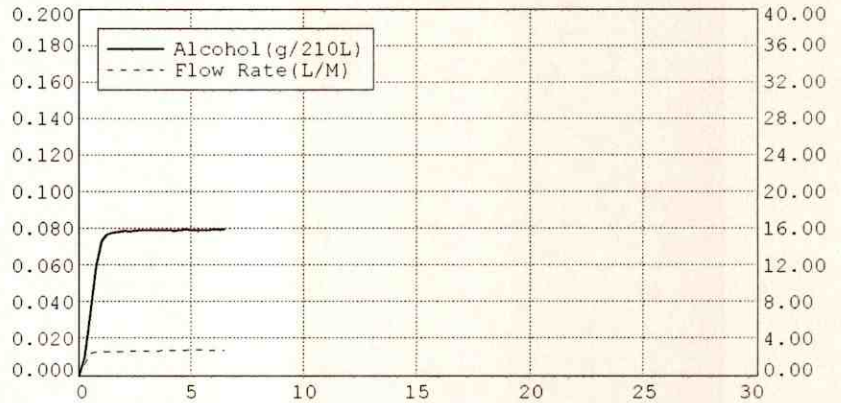
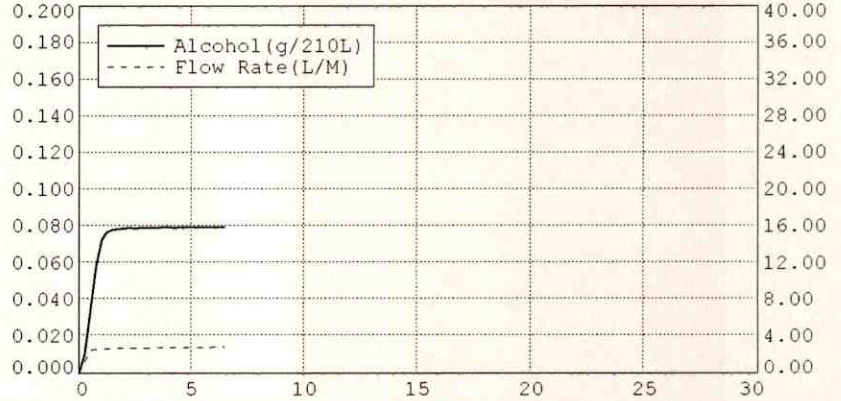
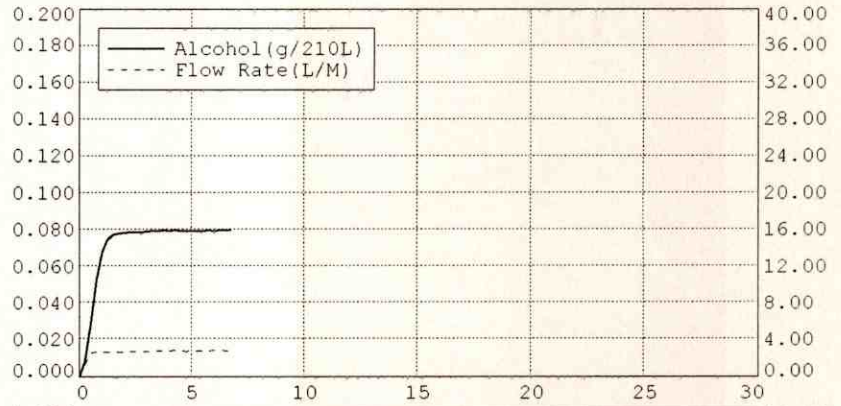
Tank # 037

BMB 10/2/19

Average Value Tank #037

= 0.079

BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

Date: 10/02/2019
 Time: 10:49:37

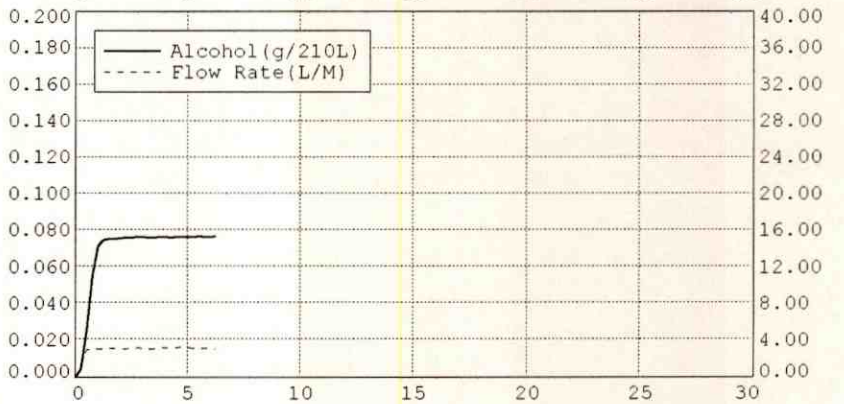
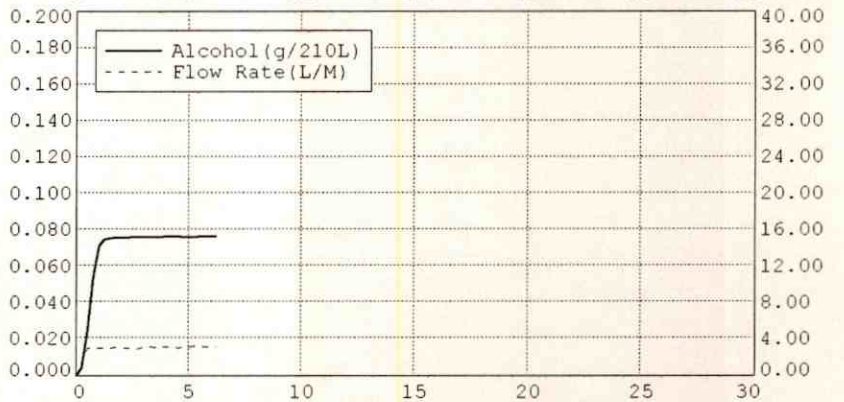
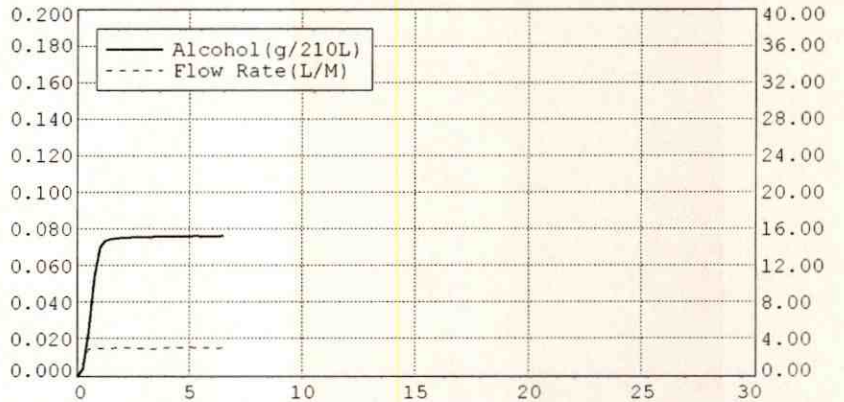
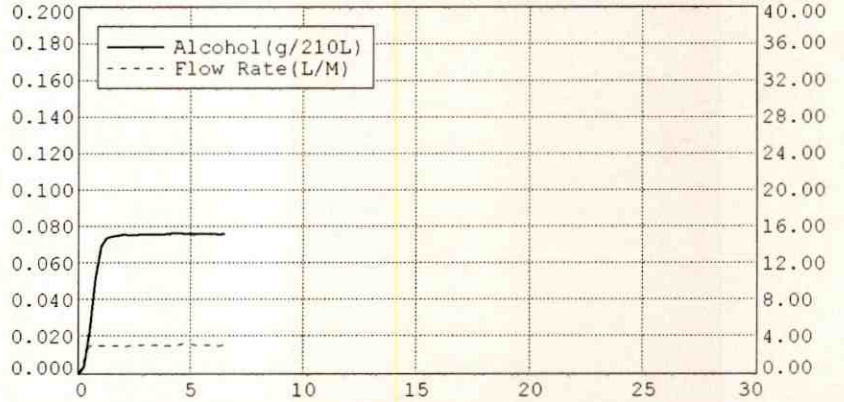
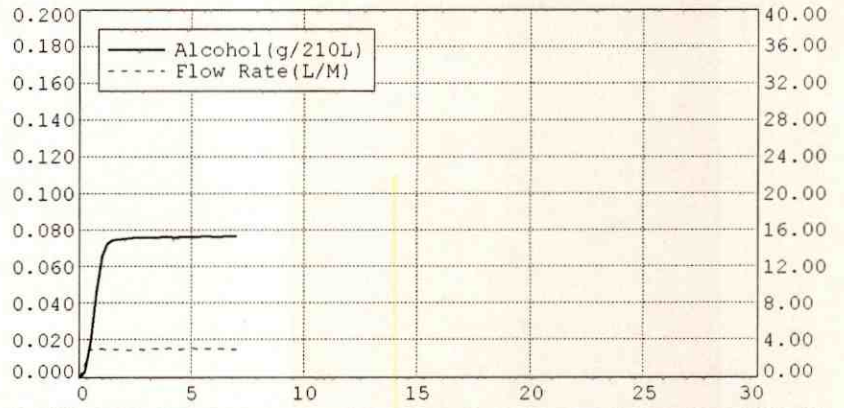
SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.65: 0.079
 TANK PRESSURE: 1184 psi

BLANK TEST	0.000	10:50
INTERNAL STANDARD	VERIFIED	10:50
EXTERNAL STANDARD	0.078	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.077	10:52
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.077	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.077	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.077	10:55
BLANK TEST	0.000	10:56

Average = 0.0772
 Std Dev = 0.0004

AG 923401 Exp: 8/22/21
 Tank#037
 BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100671

Date: 10/02/2019
Time: 11:06:42

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.66: 0.079
TANK PRESSURE: 1173 psi

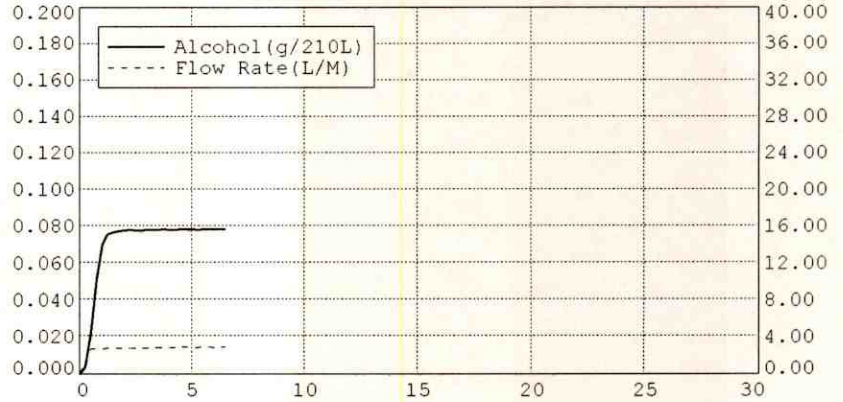
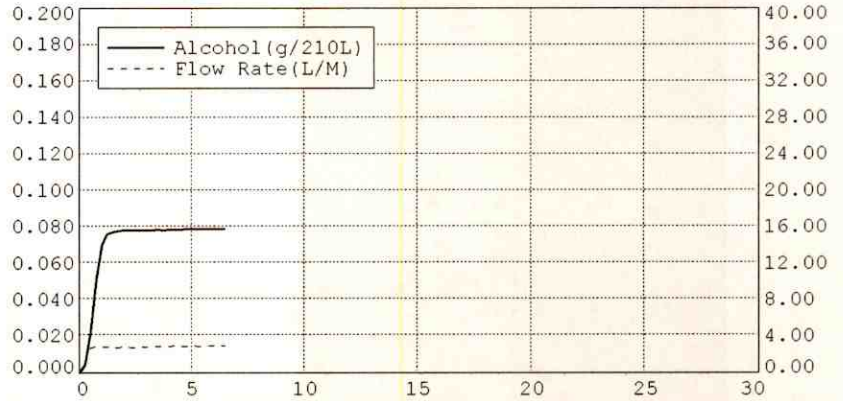
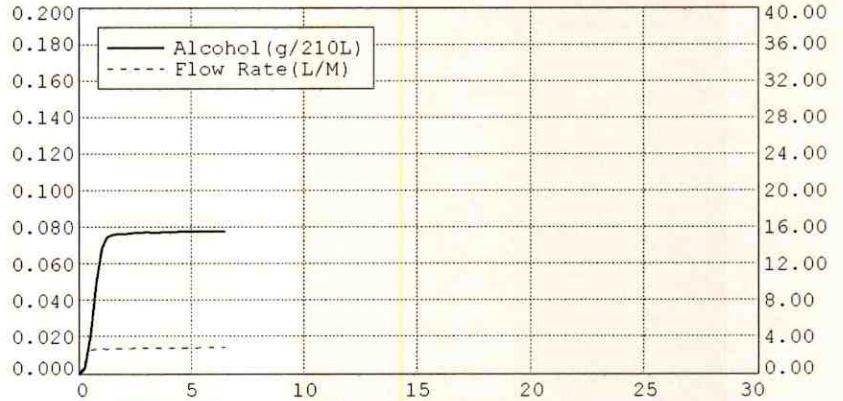
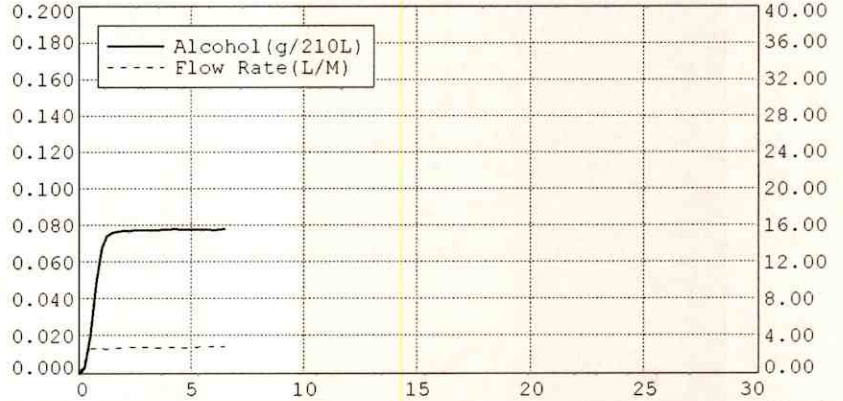
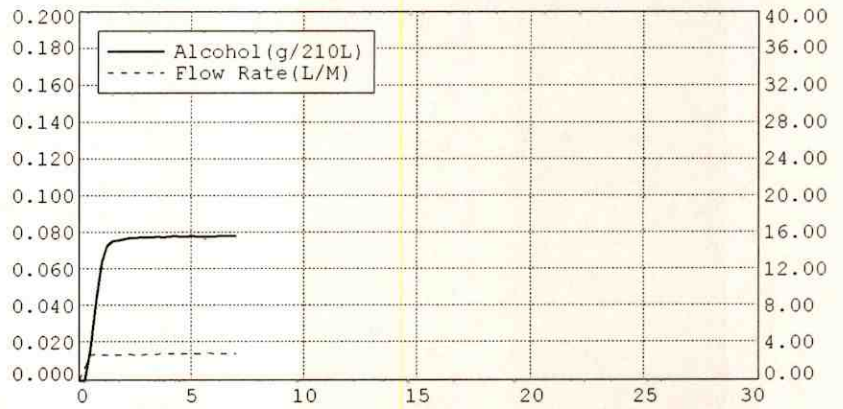
BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.079	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.079	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.079	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.080	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.079	11:12
BLANK TEST	0.000	11:13

Average = 0.0792
Std Dev = 0.0004

AG923401 Exp: 8/22/21

Tank # 037

BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 10/02/2019
 Time: 10:33:16

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.65: 0.079
 TANK PRESSURE: 1209 psi

BLANK TEST	0.000	10:34
INTERNAL STANDARD	VERIFIED	10:34
EXTERNAL STANDARD	0.080	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.080	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.079	10:36
BLANK TEST	0.000	10:37
EXTERNAL STANDARD	0.080	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.080	10:39
BLANK TEST	0.000	10:39

Average = 0.0798
 Std Dev = 0.0004

AG923401 Exp: 8/22/21

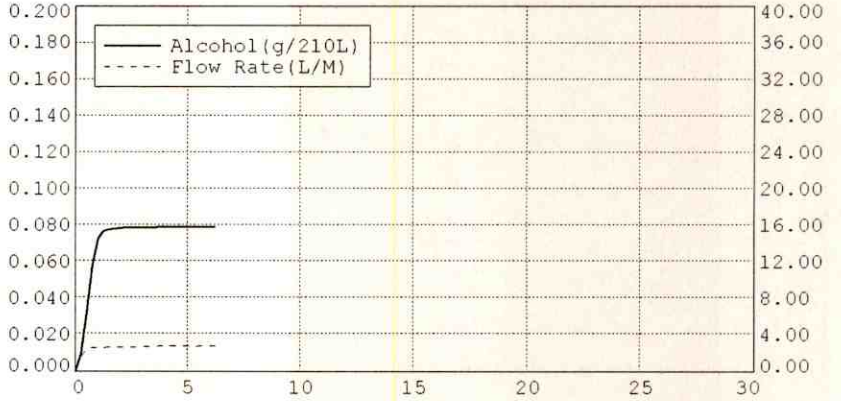
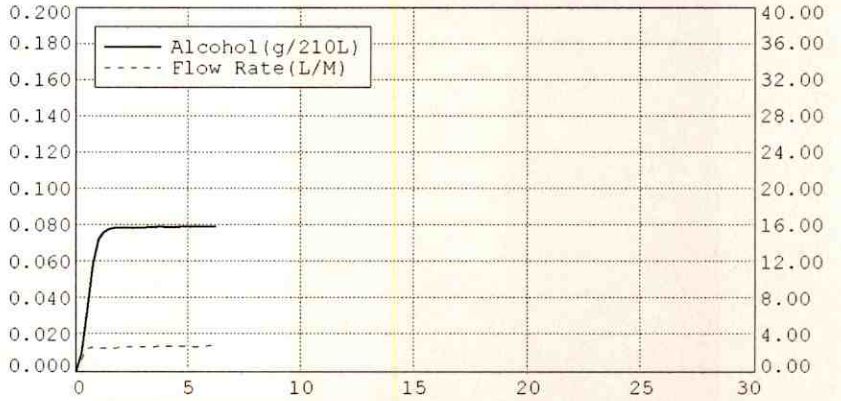
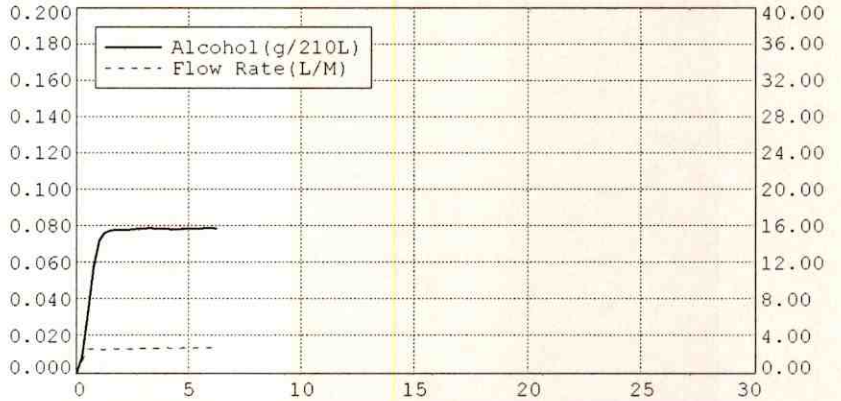
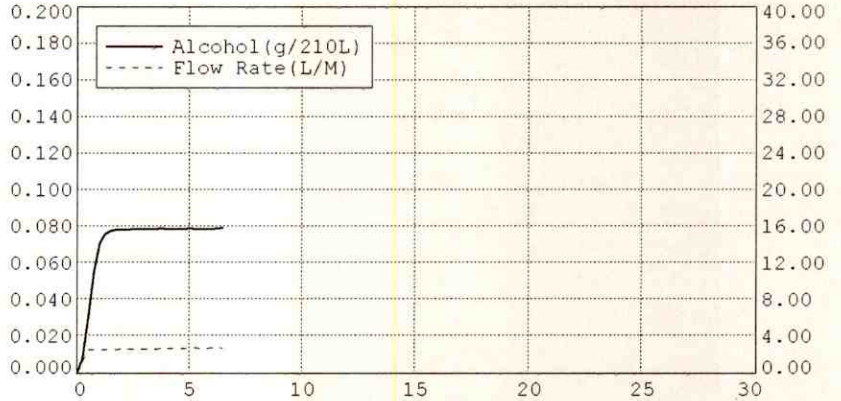
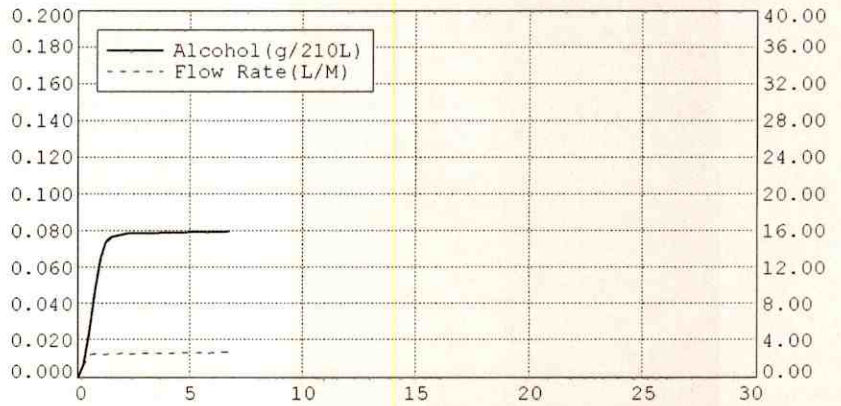
Tank #001

BMB 10/2/19

Average Value Tank #001

= 0.079

BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 10/02/2019
Time: 10:38:51

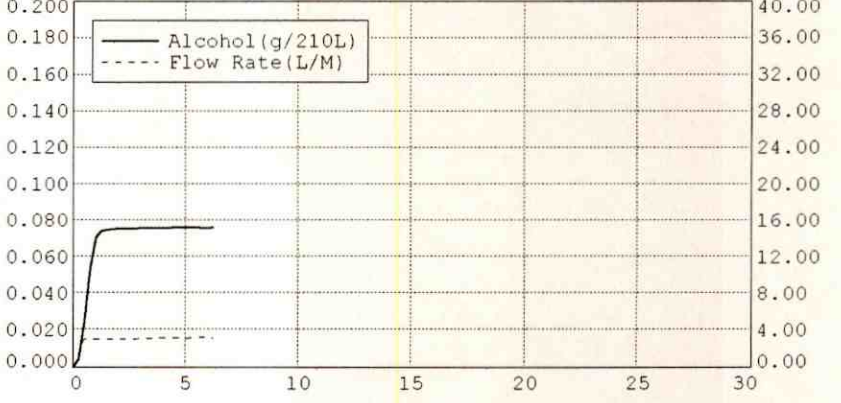
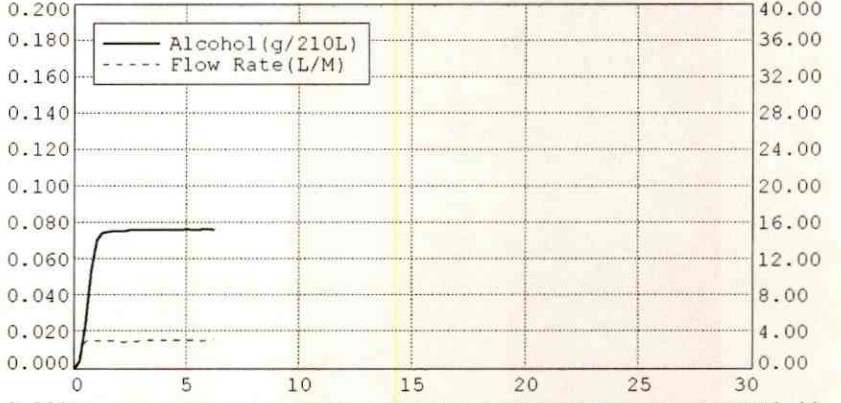
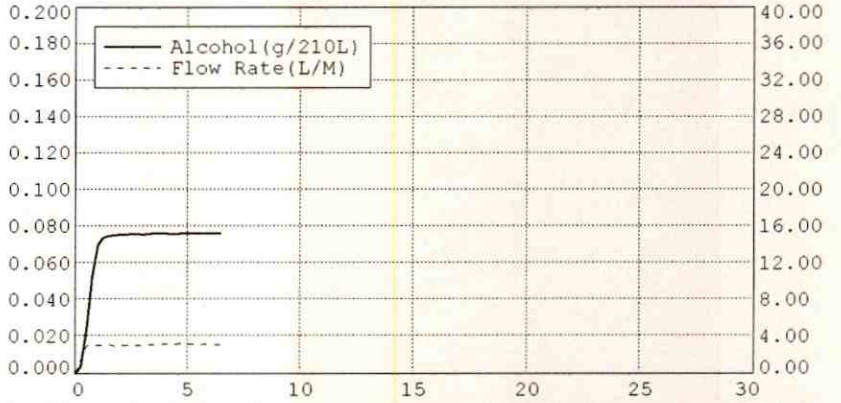
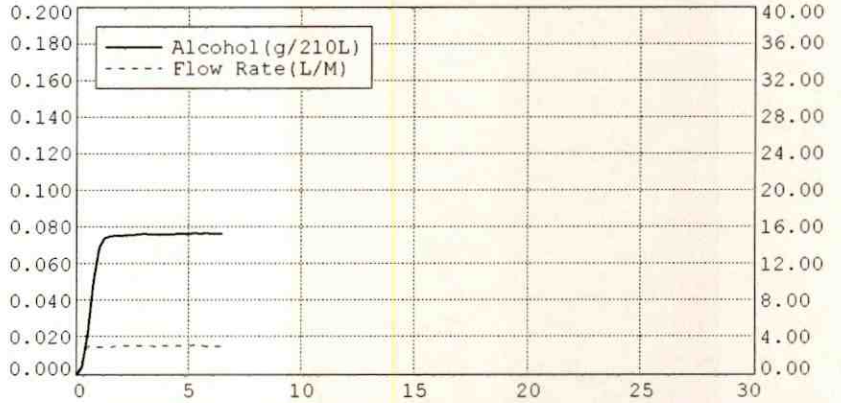
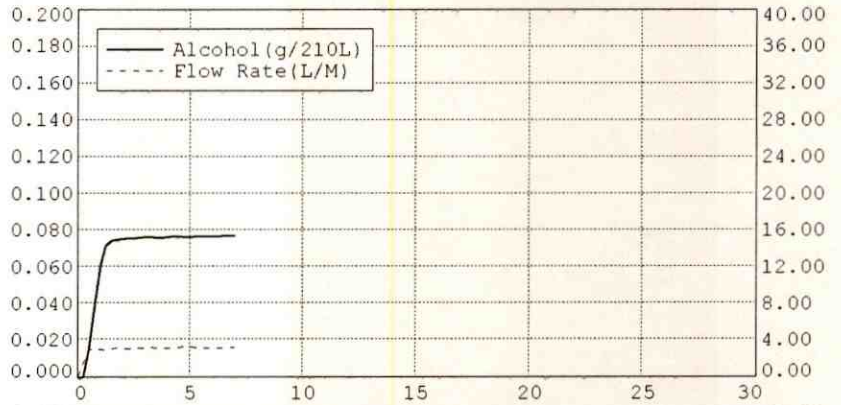
SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.65: 0.079
TANK PRESSURE: 1199 psi

BLANK TEST	0.000	10:40
INTERNAL STANDARD	VERIFIED	10:40
EXTERNAL STANDARD	0.077	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.078	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.077	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.077	10:43
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.077	10:45
BLANK TEST	0.000	10:45

Average = 0.0772
Std Dev = 0.0004

AG923401 Exp: 8/22/21
Tank #001
BMB 10/2/19



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

Date: 10/02/2019
 Time: 10:55:50

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

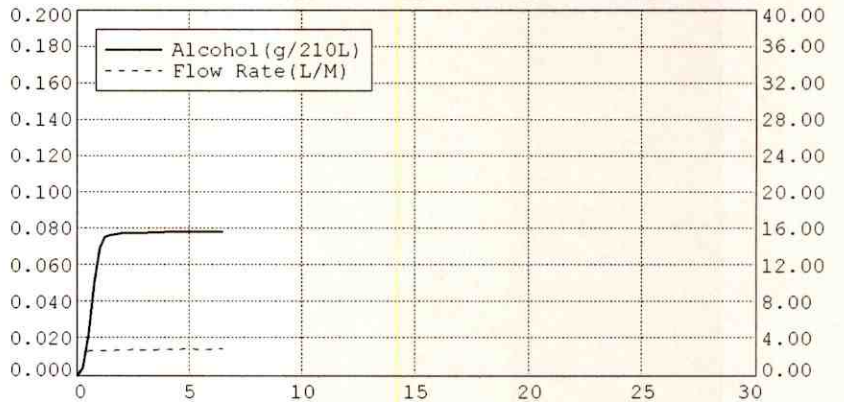
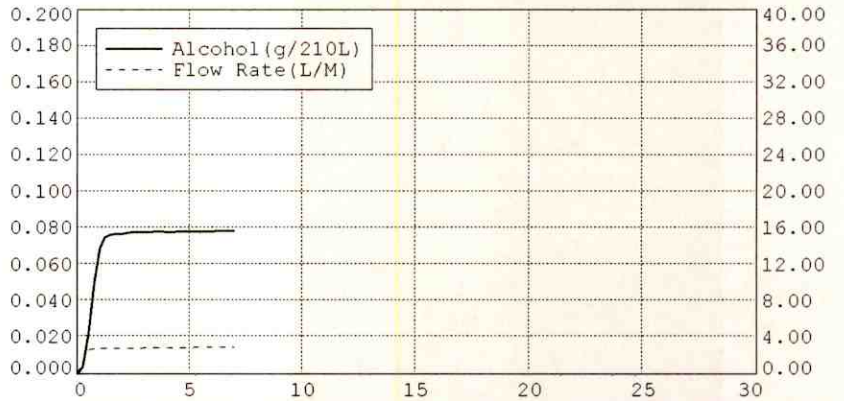
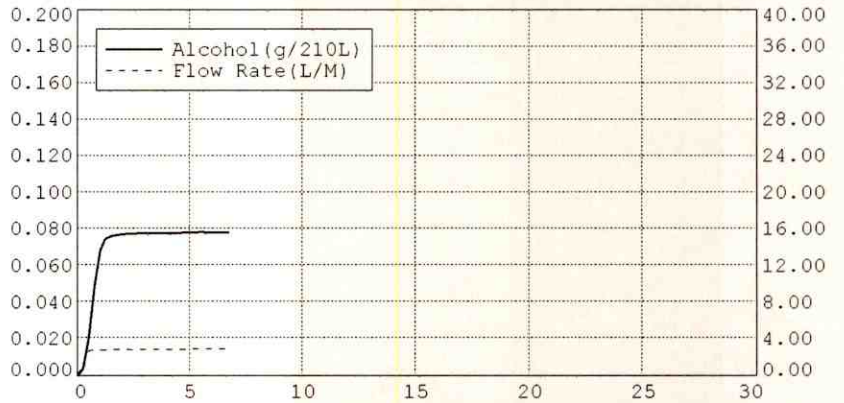
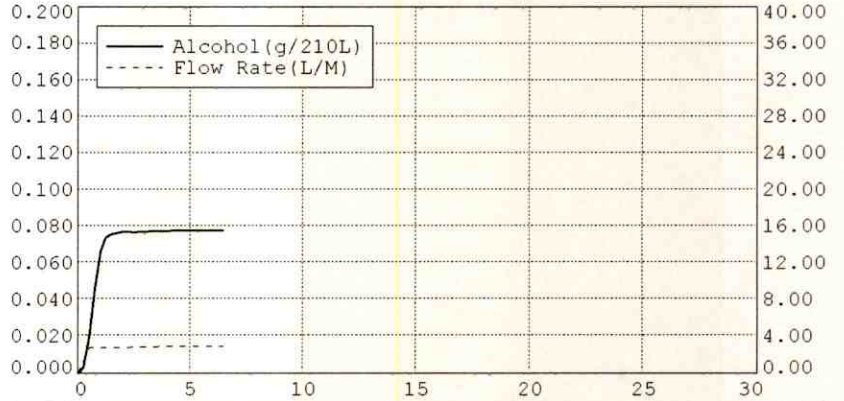
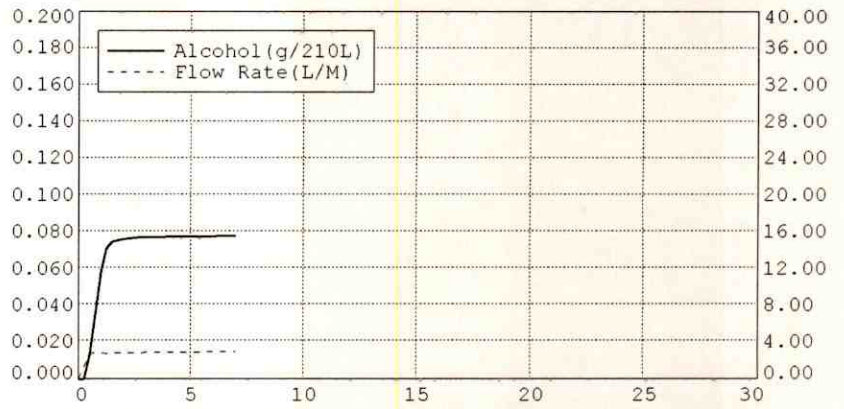
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.65: 0.079
 TANK PRESSURE: 1184 psi

BLANK TEST	0.000	10:56
INTERNAL STANDARD	VERIFIED	10:56
EXTERNAL STANDARD	0.078	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.078	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.079	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.079	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.079	11:01
BLANK TEST	0.000	11:02

Average = 0.0786
 Std Dev = 0.0005

AG 923401 Exp. 8/22/21

Tank # 001
 BMB 10/2/19



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100353

Date: 10/02/2019
Time: 09:52:17

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

TEMPERATURES

Sample Chamber = 49.1°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.31 V PASSED
(1.30 V - 3.04 V)
Cooler Voltage = 1.89 V PASSED
(1.26 V - 2.94 V)
Bias Voltage = 79 V PASSED
(48 V - 112 V)
Chopper Freq = 537 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.6 in

PUMP INFO

Flow Rate = 4.714 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 = 0.094 0.65% (0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100353

Date: 10/02/2019
Time: 9:57 AM

Temperatures (°C)
Sample Cell: 48.8°C
Breath Tube: 48.1°C

Current Barometer 29.6 in
Volume (Ltr) 0.00

Settings
Lamp: 2.31 V
Bias: 79 V
Cooler: 1.90 V
Chopper: 537 Hz

Voltages (V)
Flow: 1.06 V
Detector: 0.063 V

LINEARITY CHECK

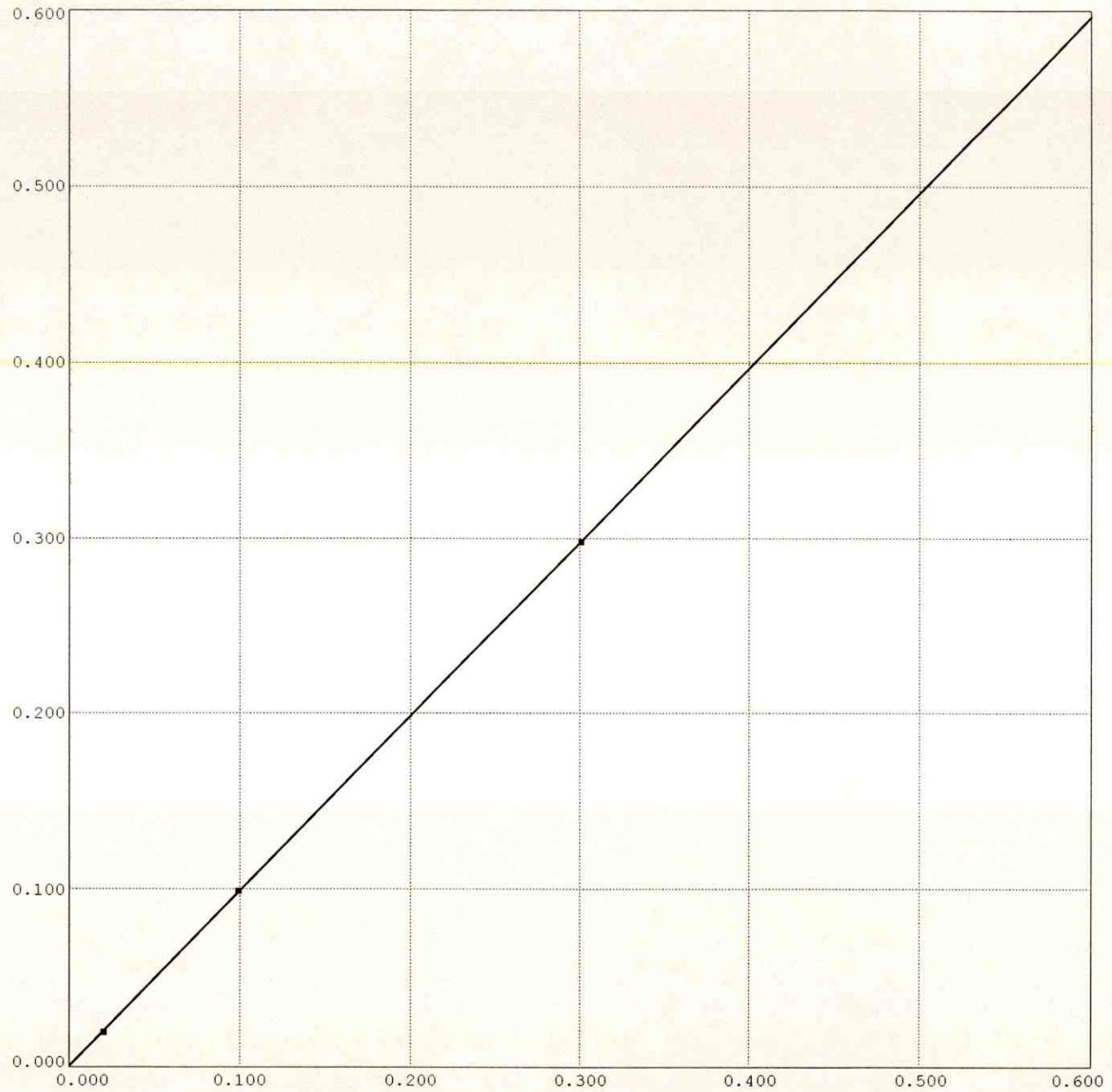
Alaska Department of Public Safety
DATAMASTER dmt: 100353

Date: 10/02/2019
Time: 09:59:50

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0202	0.0004
0.099	0.0998	0.0004
0.300	0.2986	0.0026

SLOPE = 0.993260
R² = 0.999983



BMB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

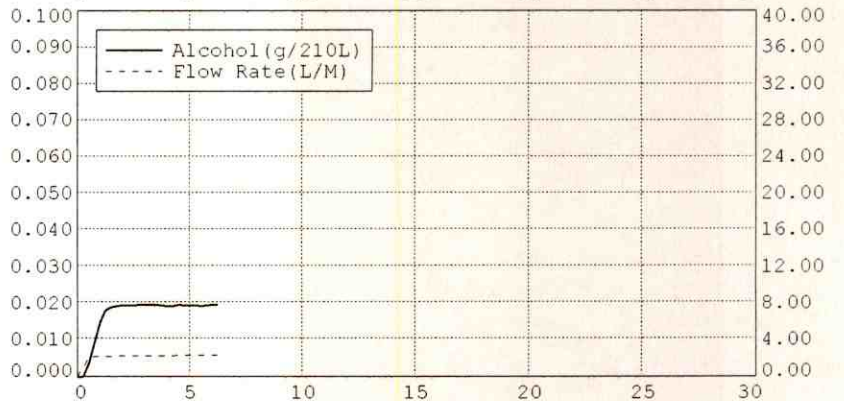
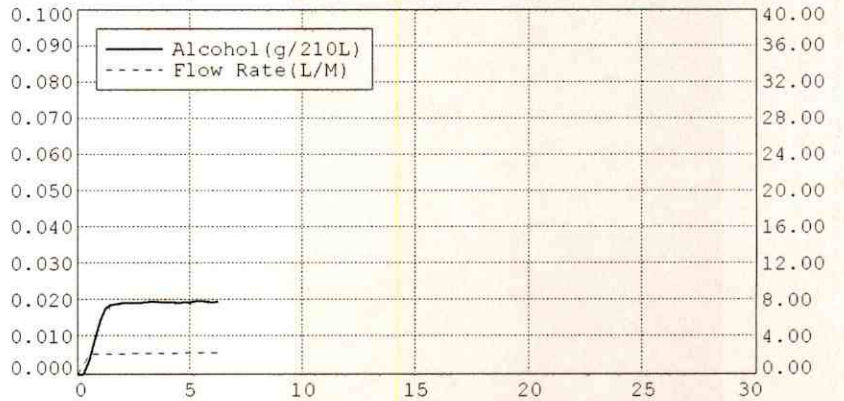
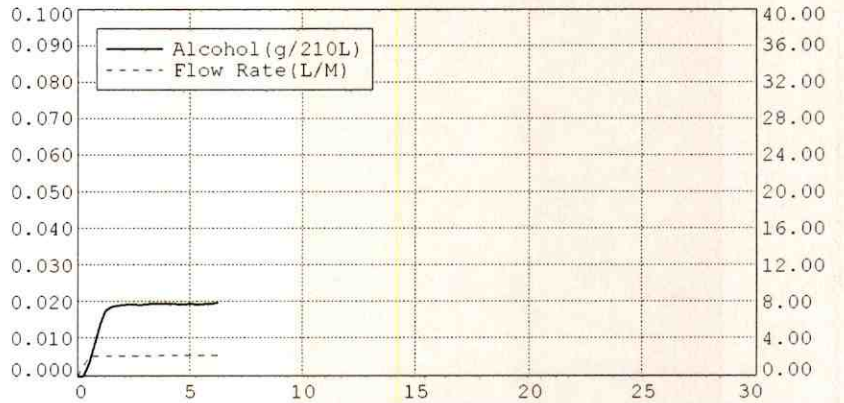
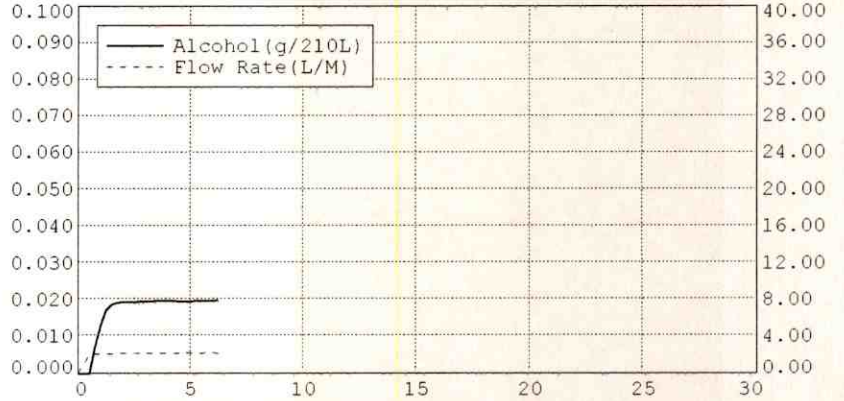
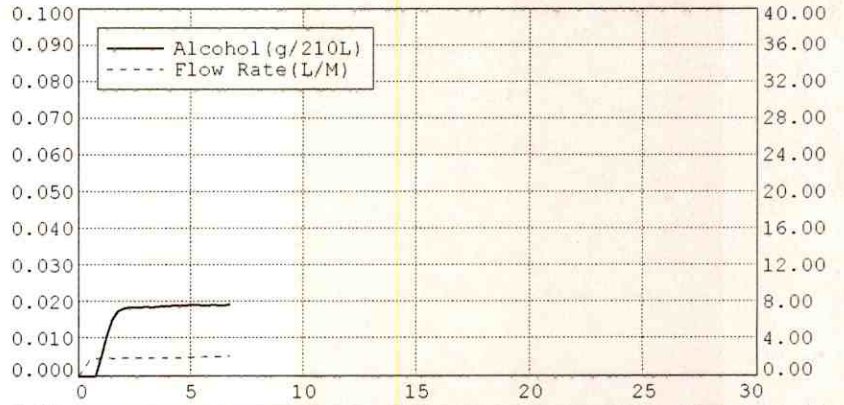
Date: 10/02/2019
 Time: 09:59:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.65: 0.020
 LOT #: AG805804
 EXPIRATION: 02/27/2020
 TANK PRESSURE: 514 psi

BLANK TEST	0.000	10:01
INTERNAL STANDARD	VERIFIED	10:01
EXTERNAL STANDARD	0.020	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.021	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.020	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.020	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.020	10:05
BLANK TEST	0.000	10:06

Average = 0.0202
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

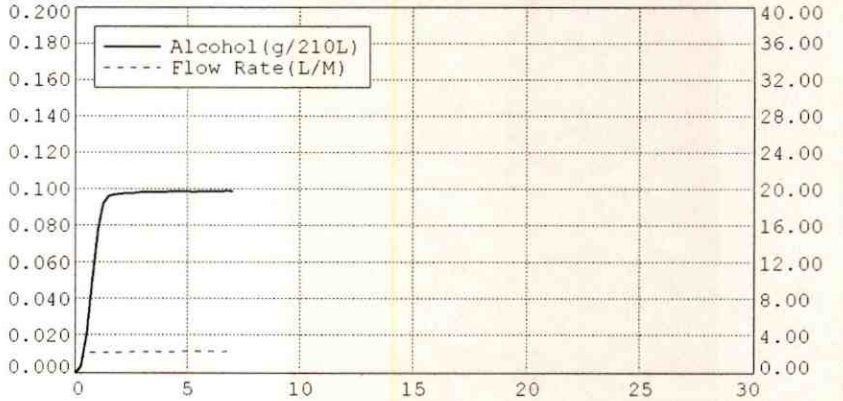
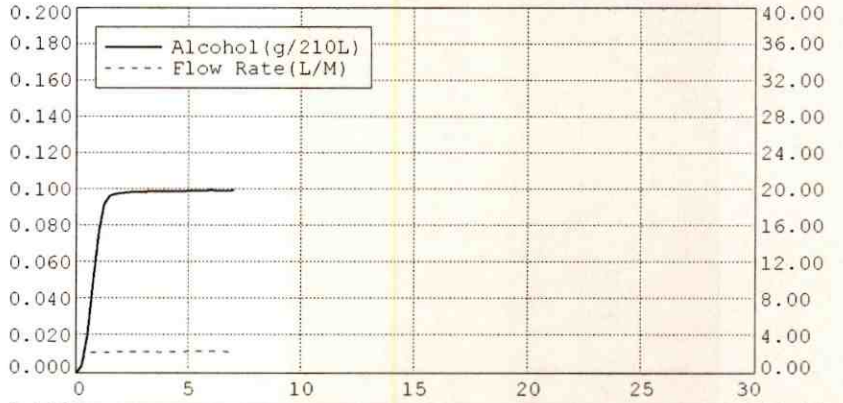
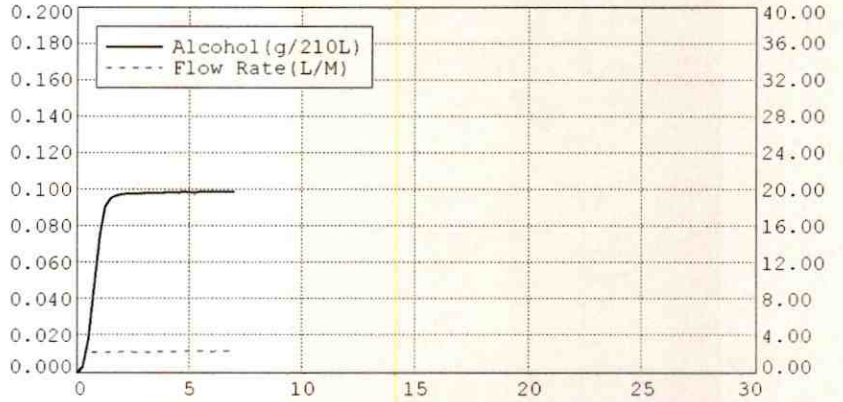
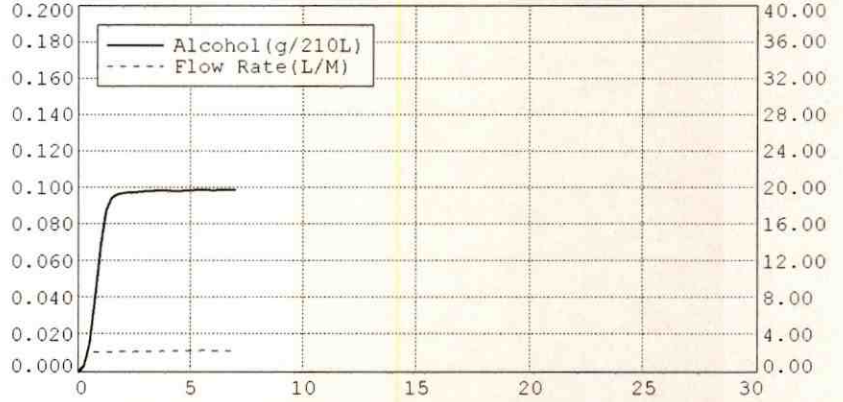
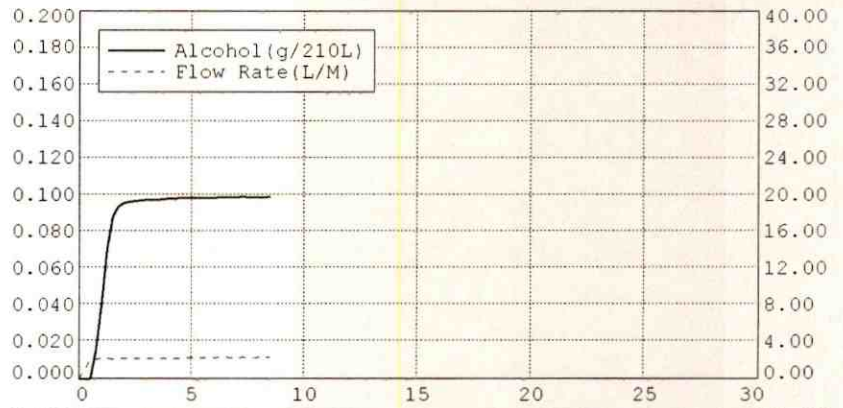
Date: 10/02/2019
 Time: 10:07:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.65: 0.099
 LOT #: AG805903
 EXPIRATION: 02/28/2020
 TANK PRESSURE: 394 psi

BLANK TEST	0.000	10:08
INTERNAL STANDARD	VERIFIED	10:09
EXTERNAL STANDARD	0.099	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.100	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.100	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.100	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.100	10:13
BLANK TEST	0.000	10:14

Average = 0.0998
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 10/02/2019
 Time: 10:16:20

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: GUTH 19010
 EXPIRATION: 01/03/2021

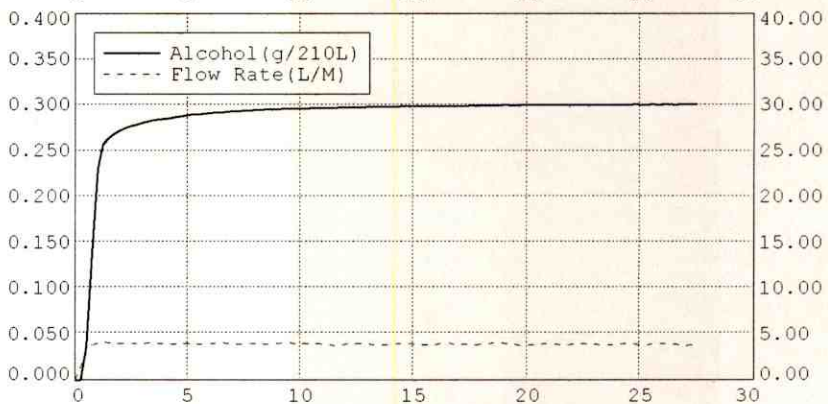
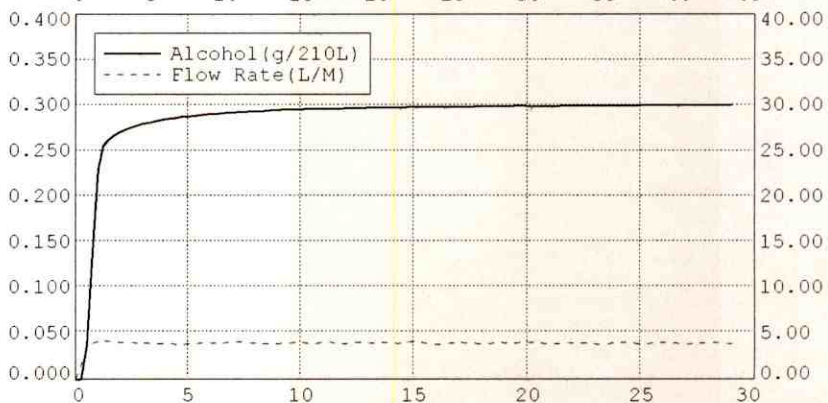
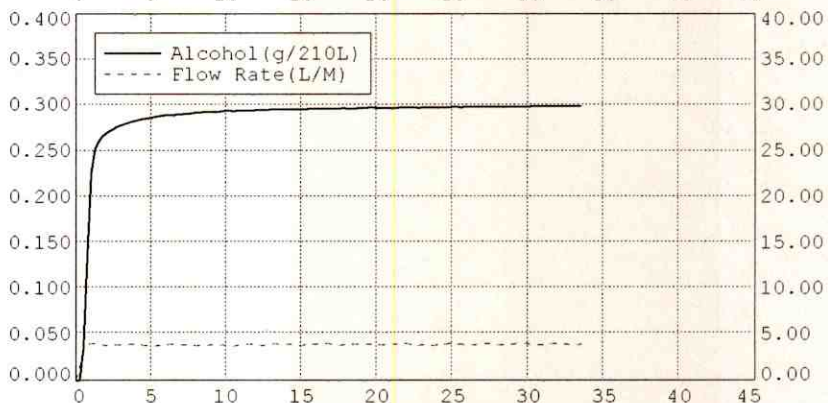
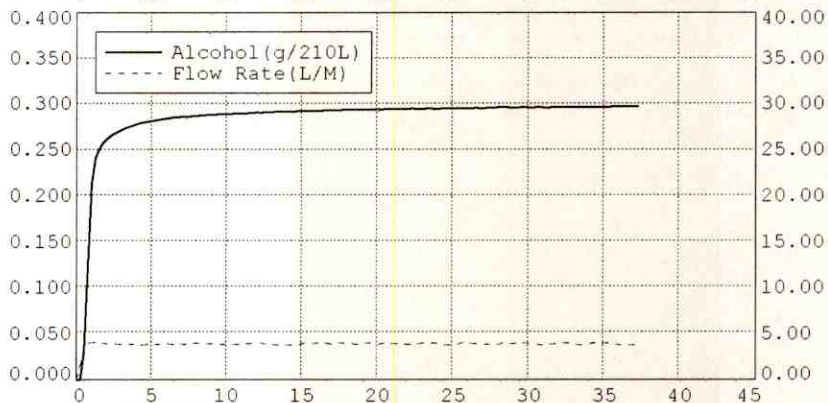
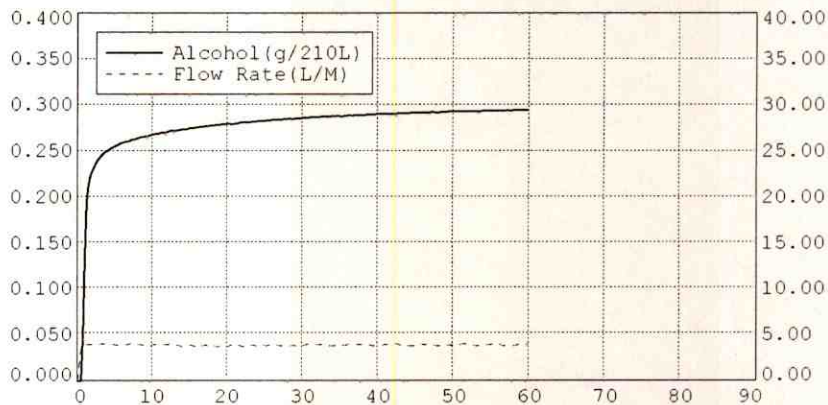
BLANK TEST	0.000	10:17
INTERNAL STANDARD	VERIFIED	10:17
EXTERNAL STANDARD	0.295	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.297	10:20
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.299	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.301	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.301	10:25
BLANK TEST	0.000	10:26

Average = 0.2986
 Std Dev = 0.0026

Simulator Information:

SD1088 Cal: 3/5/19

BMB ~~9/2/19~~
 10/2/19 BMB



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100671

Date: 10/02/2019
Time: 09:51:56

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 = 46.2°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.69 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.84 V PASSED
(1.00 V - 2.32 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 545 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.6 in

PUMP INFO

Flow Rate = 4.730 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 = 0.100 1.51% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100671

Date: 10/02/2019
Time: 9:57 AM

Temperatures (°C)
Sample Cell: 48.9°C
Breath Tube: 46.1°C

Current Barometer 29.6 in
Volume (Ltr) 0.00

Settings
Lamp: 1.69 V
Bias: 79 V
Cooler: 1.78 V
Chopper: 544 Hz

Voltages (V)
Flow: 1.06 V
Detector: 0.035 V

LINEARITY CHECK

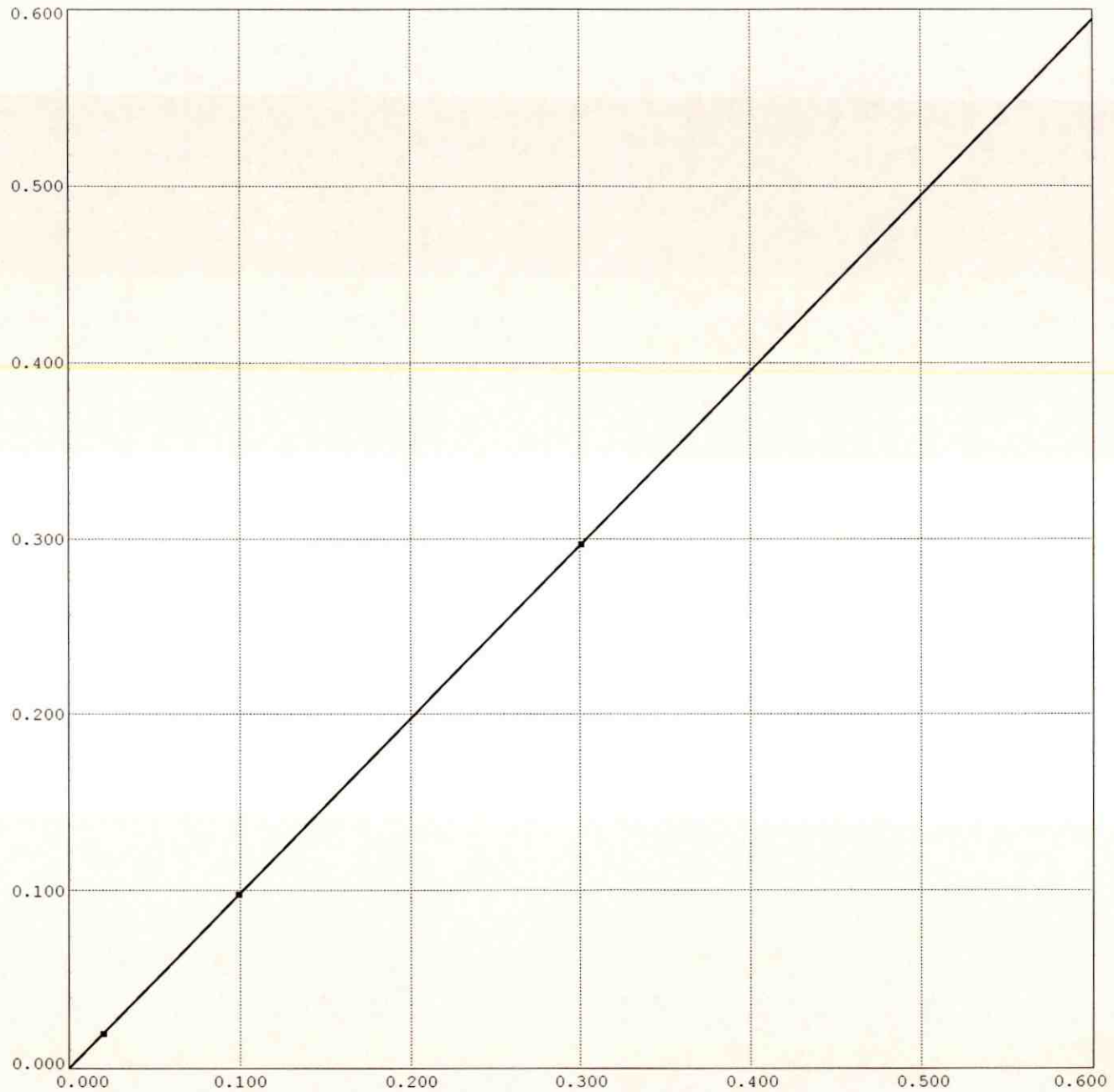
Alaska Department of Public Safety
DATAMASTER dmt: 100671

Date: 10/02/2019
Time: 10:17:32

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.099	0.0986	0.0005
0.300	0.2976	0.0009

SLOPE = 0.991158
R² = 0.999999



BMB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

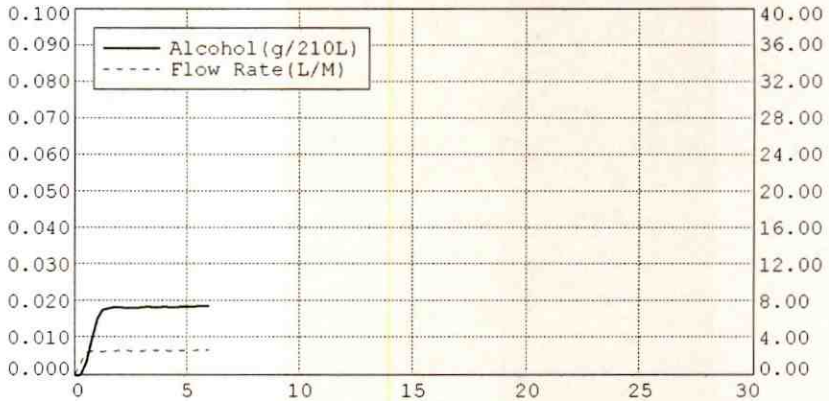
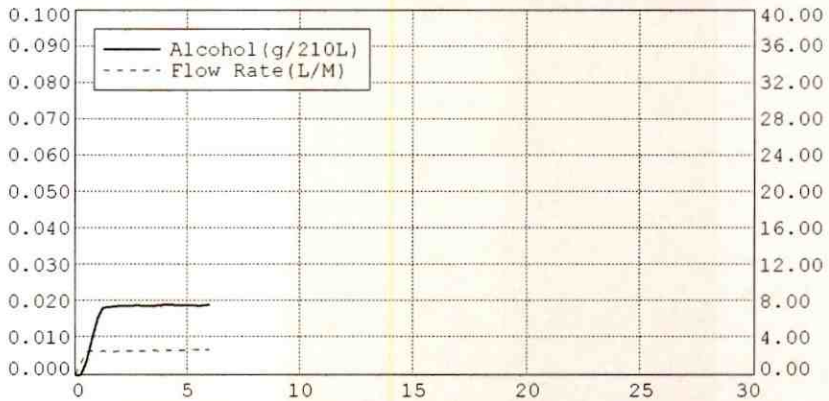
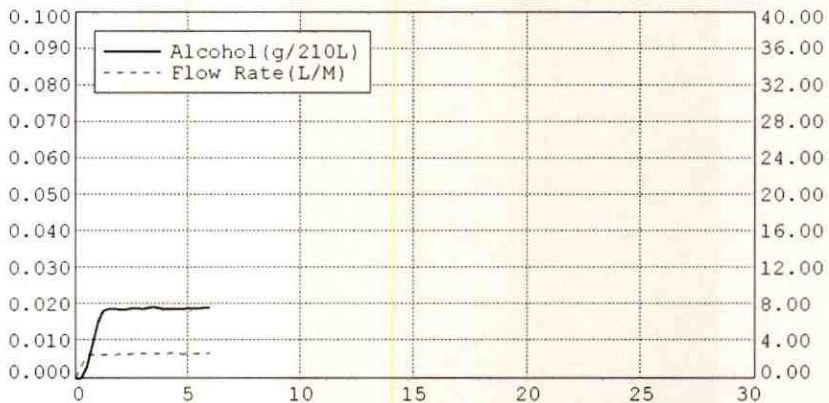
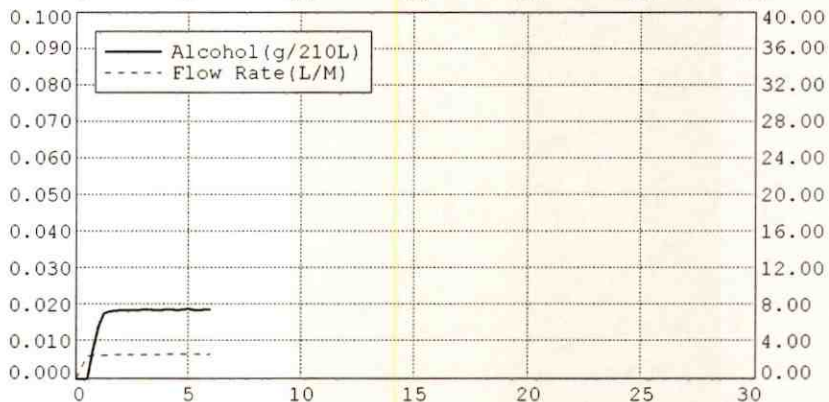
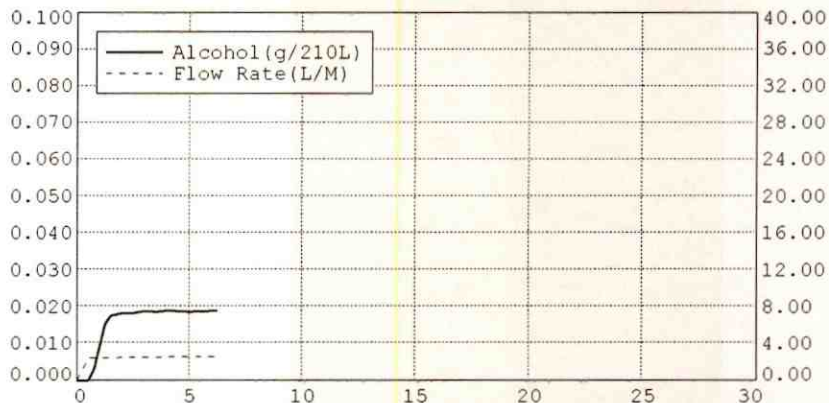
Date: 10/02/2019
 Time: 10:17:34

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.65: 0.020
 LOT #: AG805804
 EXPIRATION: 02/27/2020
 TANK PRESSURE: 488 psi

BLANK TEST	0.000	10:18
INTERNAL STANDARD	VERIFIED	10:18
EXTERNAL STANDARD	0.020	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.020	10:20
BLANK TEST	0.000	10:20
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	10:23
BLANK TEST	0.000	10:24

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

 Alaska Department of Public Safety
 DATAMASTER dmt: 100671

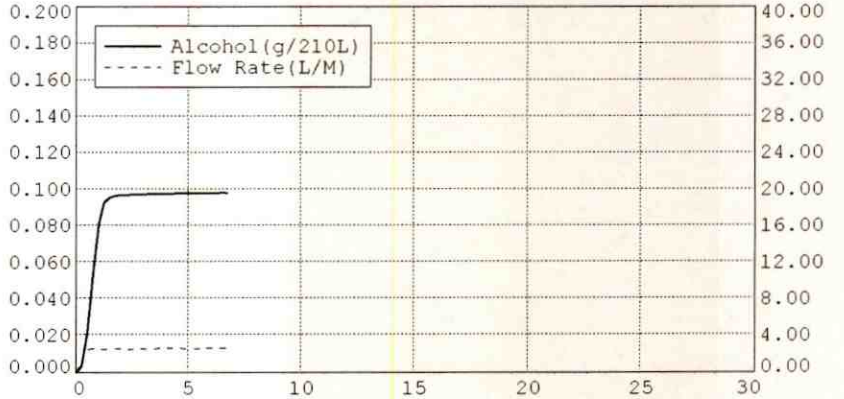
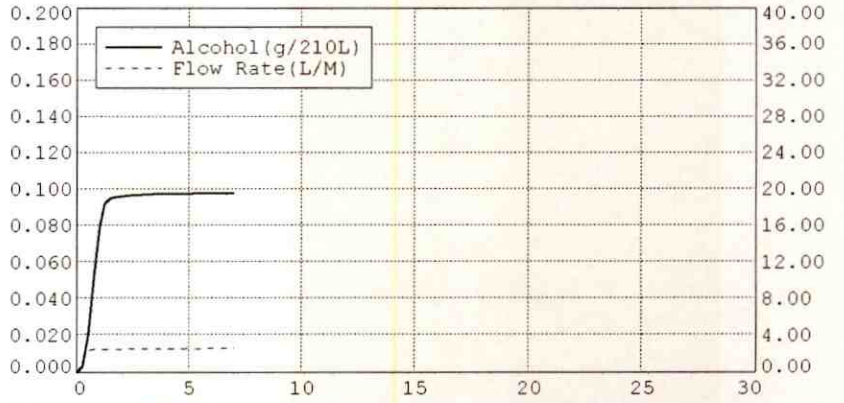
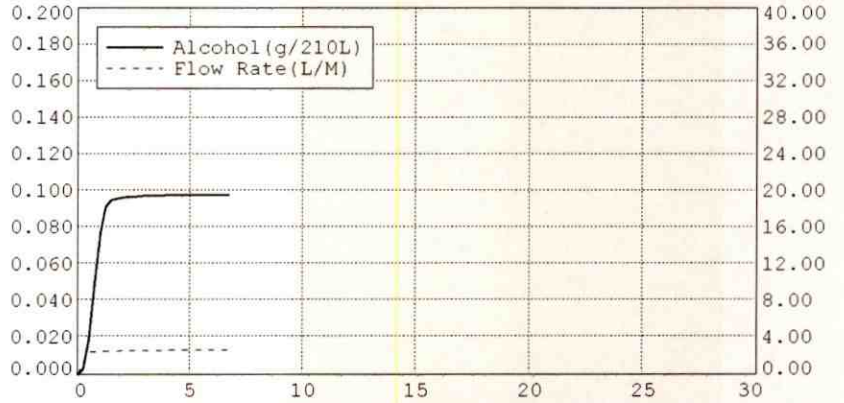
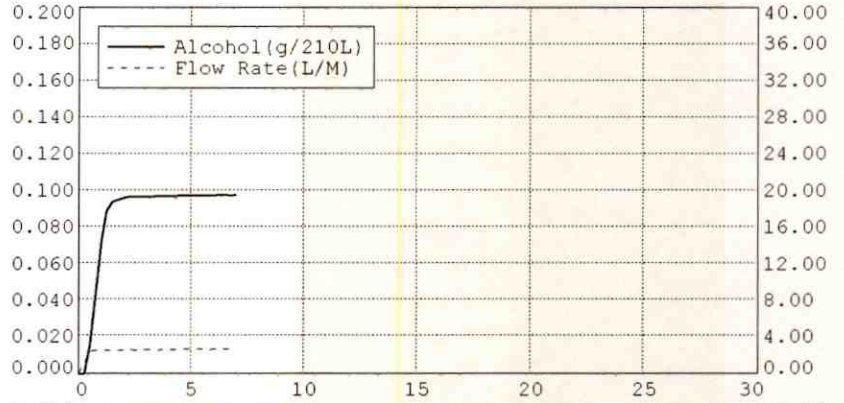
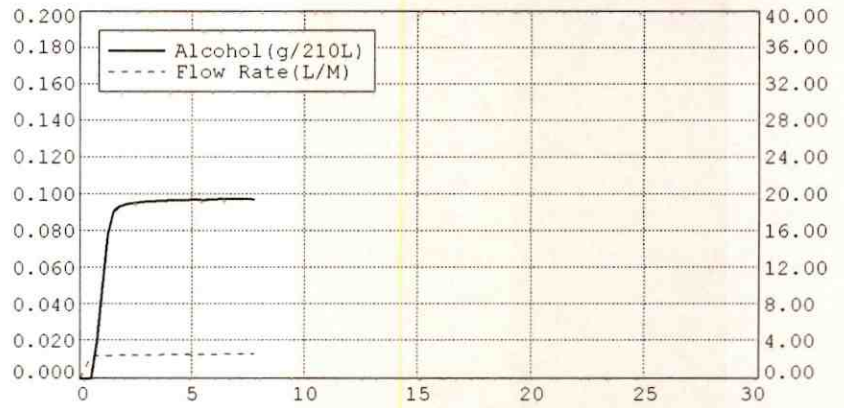
Date: 10/02/2019
 Time: 10:27:29

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.65: 0.099
 LOT #: AG805903
 EXPIRATION: 02/28/2020
 TANK PRESSURE: 360 psi

BLANK TEST	0.000	10:28
INTERNAL STANDARD	VERIFIED	10:28
EXTERNAL STANDARD	0.098	10:28
BLANK TEST	0.000	10:29
EXTERNAL STANDARD	0.098	10:30
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.099	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.099	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.099	10:33
BLANK TEST	0.000	10:34

Average = 0.0986
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100671

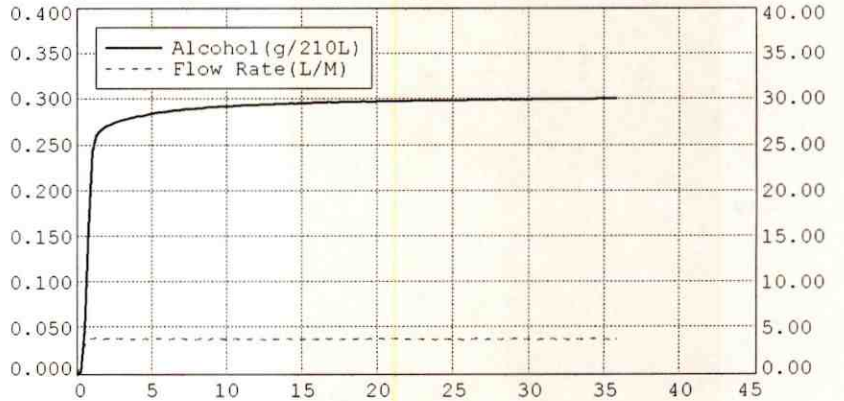
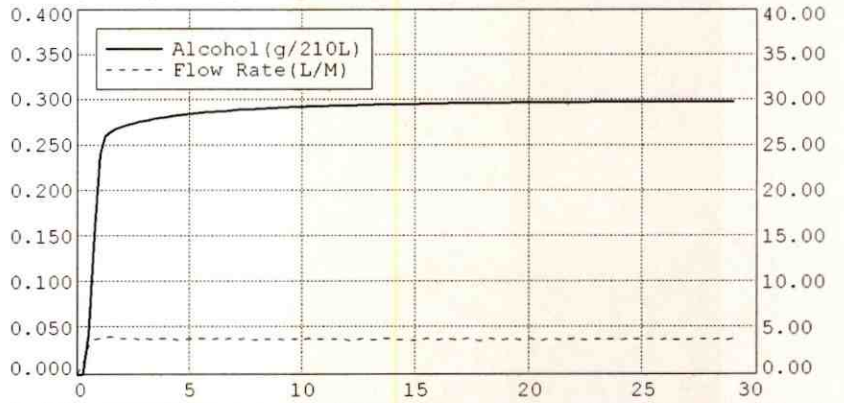
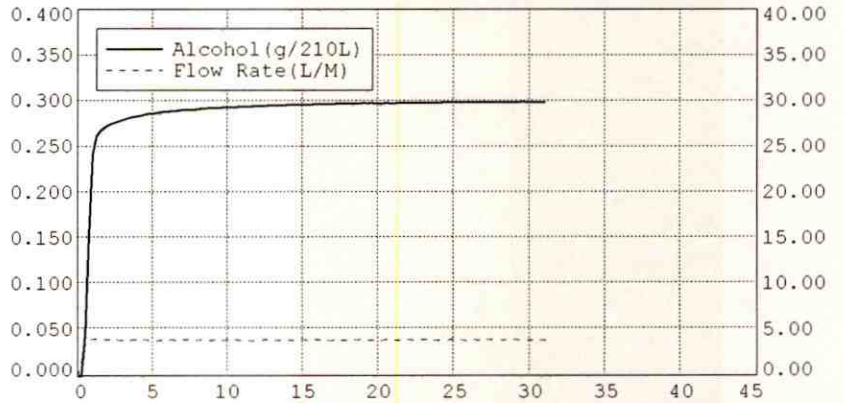
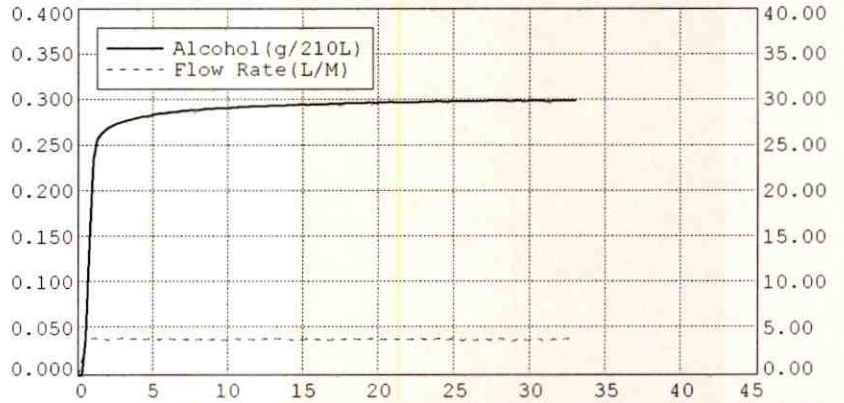
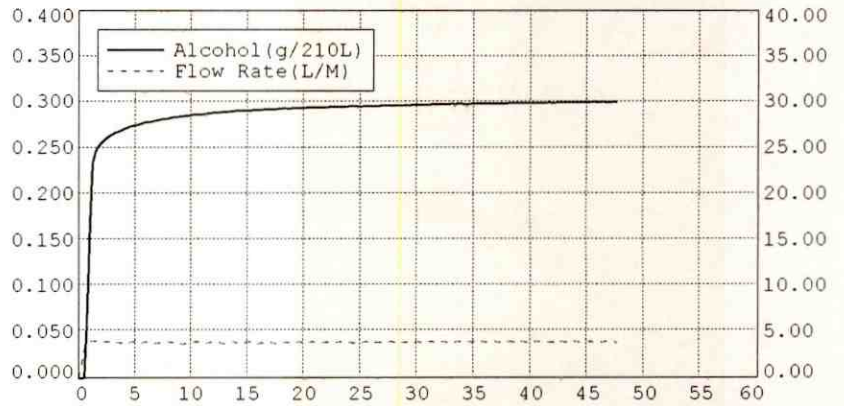
Date: 10/02/2019
 Time: 10:36:58

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: GUTH 19010
 EXPIRATION: 01/03/2021

BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.298	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.297	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.297	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.297	10:43
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.299	10:45
BLANK TEST	0.000	10:46

Average = 0.2976
 Std Dev = 0.0009

Simulator Information:
 SD1088 Cal: 3/5/19
 BMB 10/2/19



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 10/02/2019
Time: 09:43:32

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 = 45.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.72 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.71 V PASSED
(1.01 V - 2.37 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 526 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.6 in

PUMP INFO

Flow Rate = 5.051 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 = 0.088 0.00% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100405

Date: 10/02/2019
Time: 9:48 AM

Temperatures (°C)

Sample Cell: 48.8°C
Breath Tube: 45.2°C

Current Barometer 29.6 in
Volume (Ltr) 0.00

Settings

Lamp: 1.74 V
Bias: 81 V
Cooler: 1.71 V
Chopper: 525 Hz

Voltages (V)

Flow: 1.05 V
Detector: 0.054 V

LINEARITY CHECK

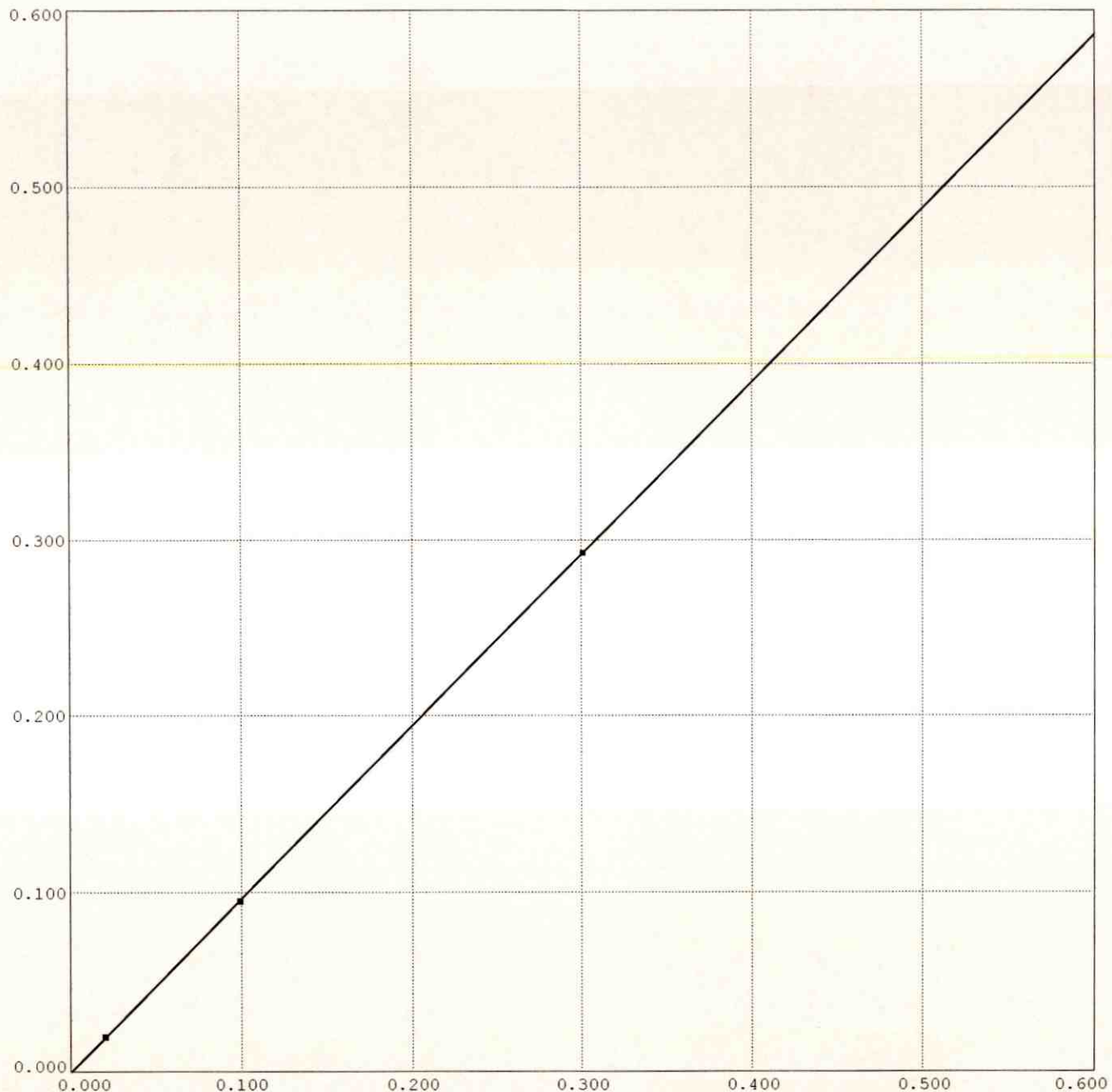
Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 10/02/2019
Time: 10:00:01

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.099	0.0960	0.0000
0.300	0.2934	0.0005

SLOPE = 0.978113
R² = 0.999984



BMB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100405

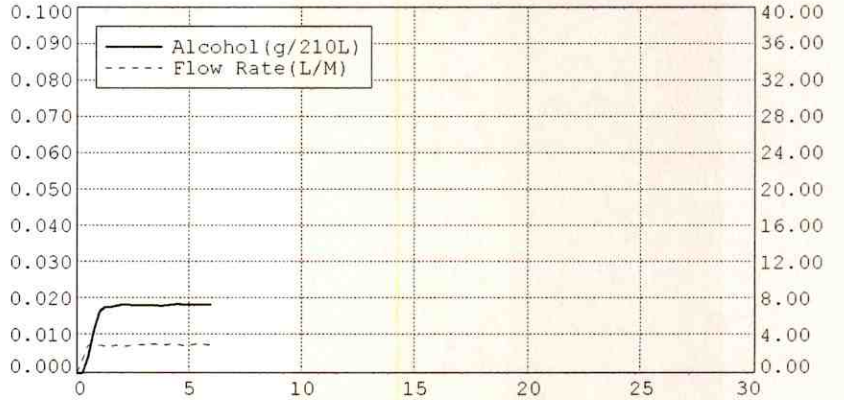
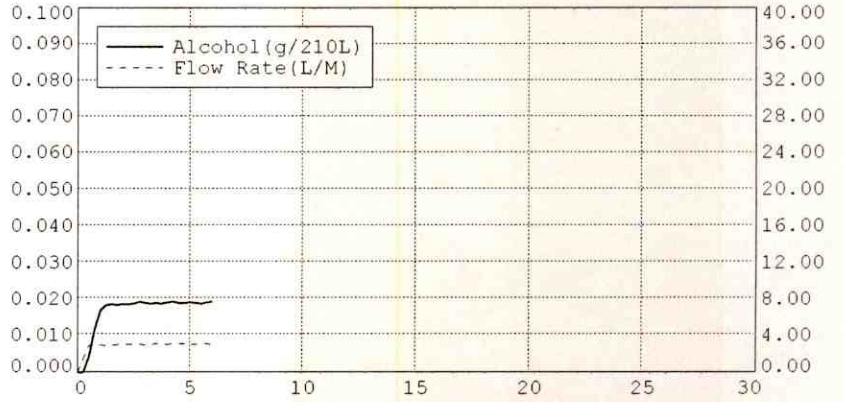
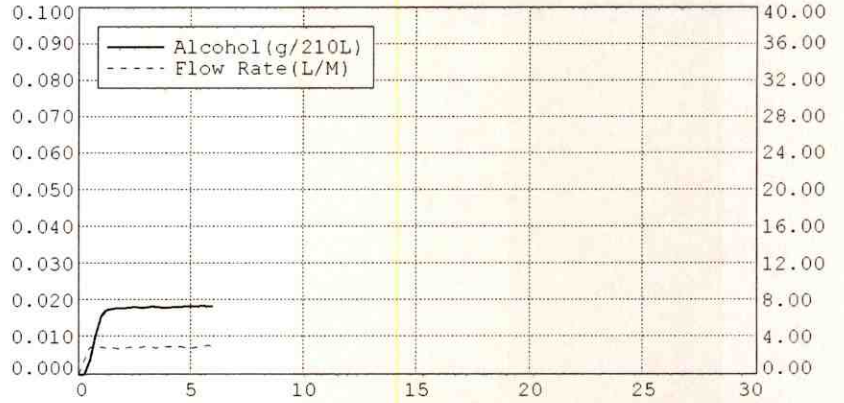
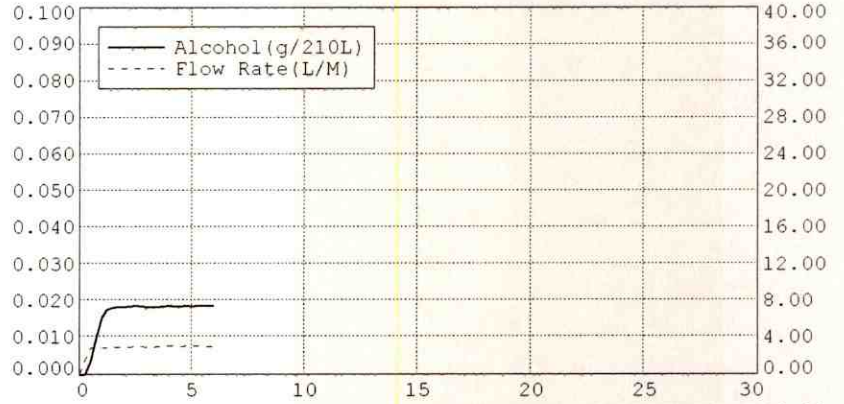
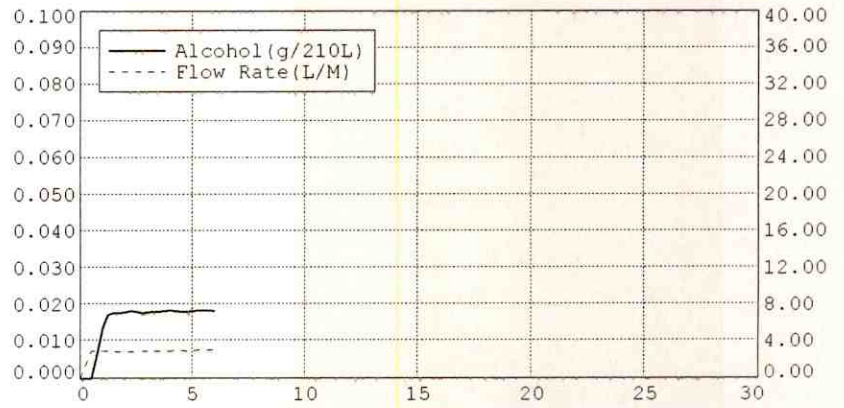
Date: 10/02/2019
Time: 10:00:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.64: 0.020
LOT #: AG805804
EXPIRATION: 02/27/2020
TANK PRESSURE: 496 psi

BLANK TEST	0.000	10:01
INTERNAL STANDARD	VERIFIED	10:01
EXTERNAL STANDARD	0.020	10:01
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.020	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.020	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.020	10:04
BLANK TEST	0.000	10:05
EXTERNAL STANDARD	0.019	10:05
BLANK TEST	0.000	10:06

Average = 0.0198
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

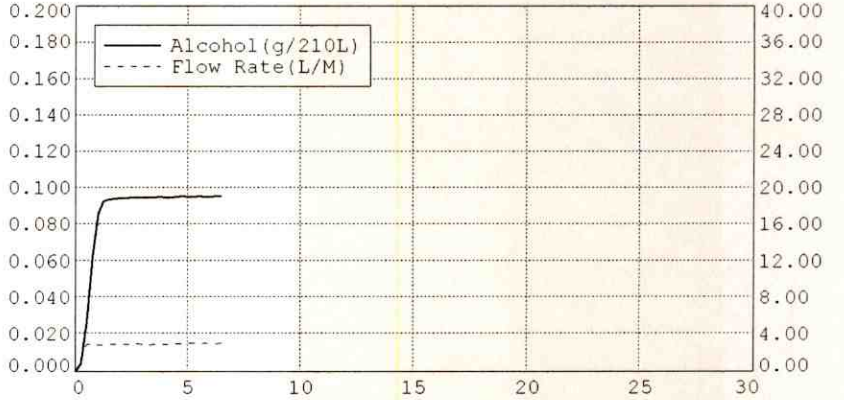
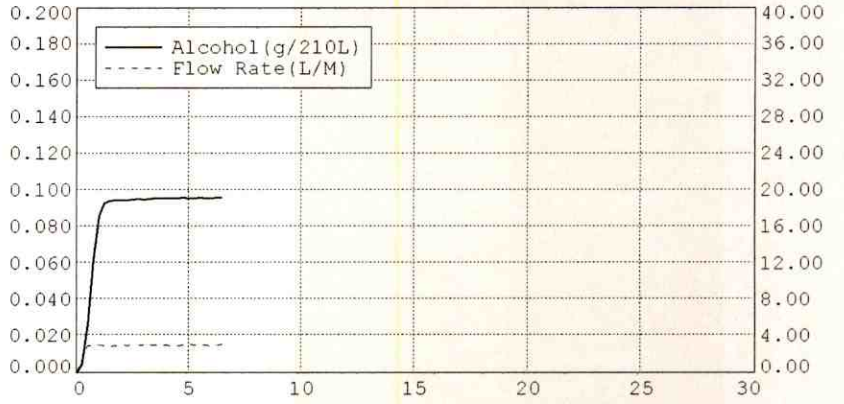
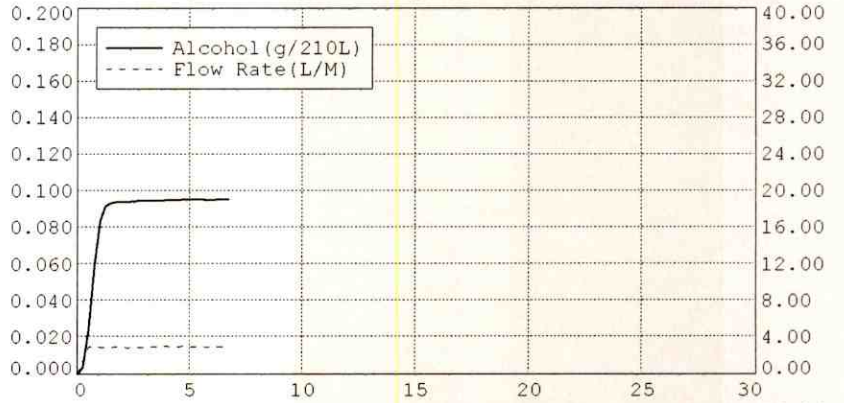
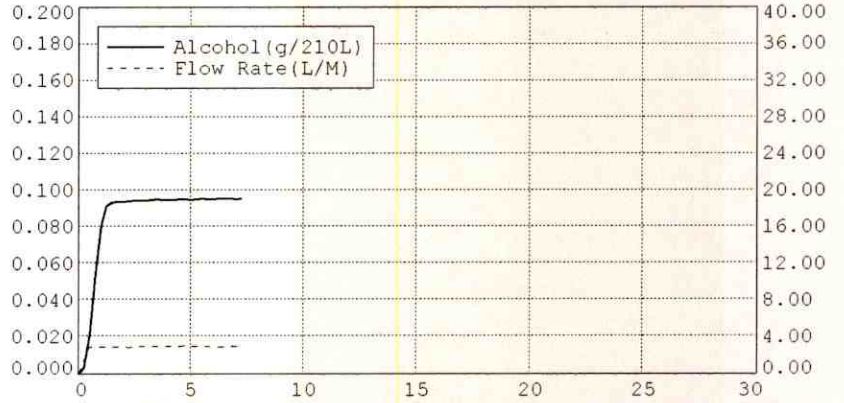
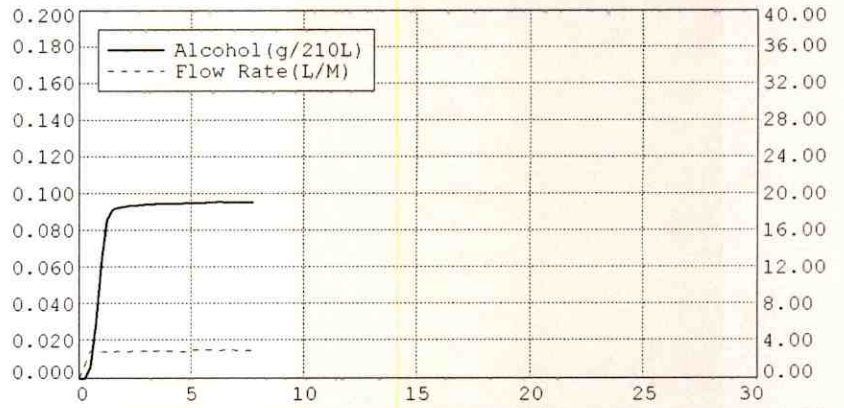
Date: 10/02/2019
 Time: 10:08:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.64: 0.099
 LOT #: AG805903
 EXPIRATION: 02/28/2020
 TANK PRESSURE: 372 psi

BLANK TEST	0.000	10:10
INTERNAL STANDARD	VERIFIED	10:10
EXTERNAL STANDARD	0.096	10:10
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.096	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.096	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.096	10:13
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.096	10:15
BLANK TEST	0.000	10:15

Average = 0.0960
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 10/02/2019
Time: 10:18:19

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
LOT #: GUTH 19010
EXPIRATION: 01/03/2021

BLANK TEST	0.000	10:20
INTERNAL STANDARD	VERIFIED	10:20
EXTERNAL STANDARD	0.293	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.293	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.293	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.294	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.294	10:27
BLANK TEST	0.000	10:28

Average = 0.2934
Std Dev = 0.0005

Simulator Information:

SD1088 Cal: 3/5/19
BMB 10/2/19

