



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: 21-Mar-2024
Exp. Date: 20-Mar-2026

Lot # AG408002 **Tank No.** 004 **Cylinder Type** 108 **Model** 108cacc

Component	Requested Concentration	Actual Concentration	Total Relative Uncertainty
Ethanol	52 ppm (0.020 BrAC)	52.4 ppm (0.0201 BrAC)	±1.5%
Nitrogen	Balance		

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

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010562	104.2 ppm
EB0010561	103.7 ppm	EB0010579	52.94 ppm
EB0010681	52.22 ppm		

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC727481	799.4 ppm	CC727493	389.8 ppm
CC727496	253.4 ppm	CC727498	150.2 ppm

Analytical Method: NDIR

This cylinder has been analytically certified as directly traceable to NIST with a total analytical uncertainty as stated above with a confidence level of 95%, in accordance with Airgas ISO procedures. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Digitally signed by:Quality Control
 Reason:Dry gas standard certification of analysis
 Location:Airgas USA LLC (Lab)
 Date:03.22.2024 08:15



Approved for Release: _____
 Yusef Woods

ISO 17025:2017 A2LA accredited. Certificate Number 3082.06
ISO 17034:2016 A2LA accredited. Certificate Number 3082.07

SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 04/02/2024
 Time: 10:58:05

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.26: 0.020
 TANK PRESSURE: 718 psi

BLANK TEST	0.000	10:59
INTERNAL STANDARD	VERIFIED	10:59
EXTERNAL STANDARD	0.022	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.021	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.021	11:02
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.021	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.021	11:04
BLANK TEST	0.000	11:05

Average = 0.0212
 Std Dev = 0.0004

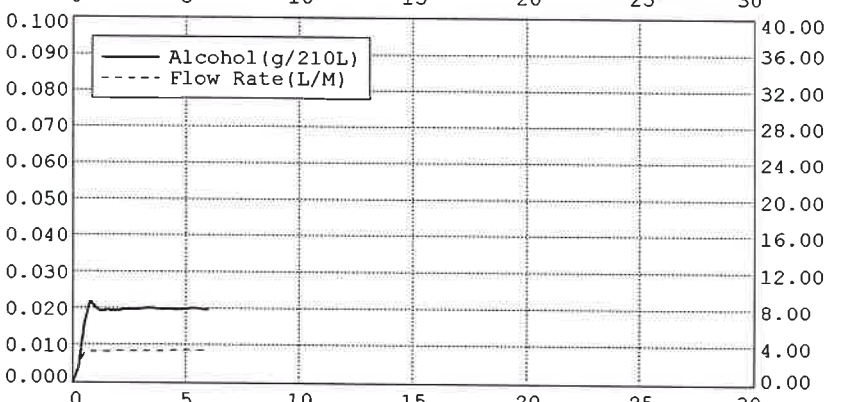
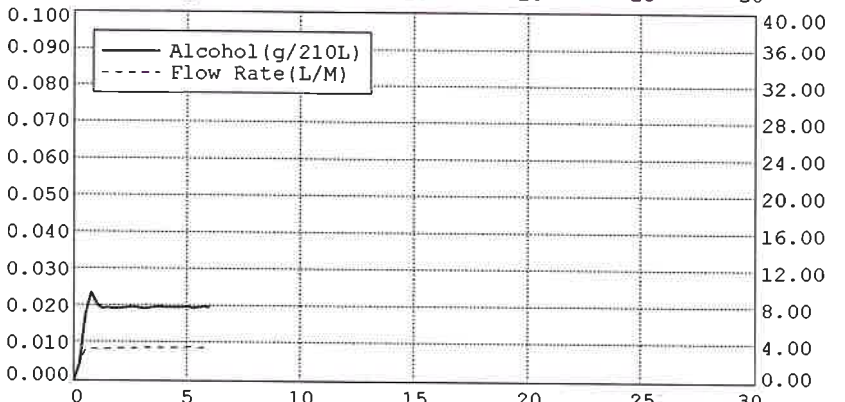
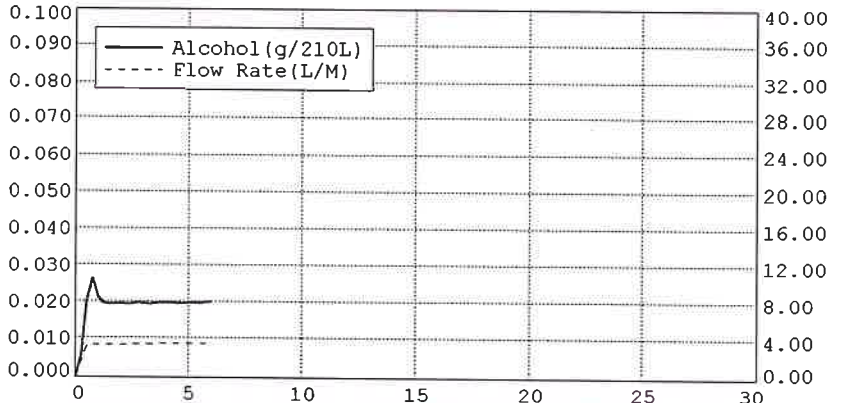
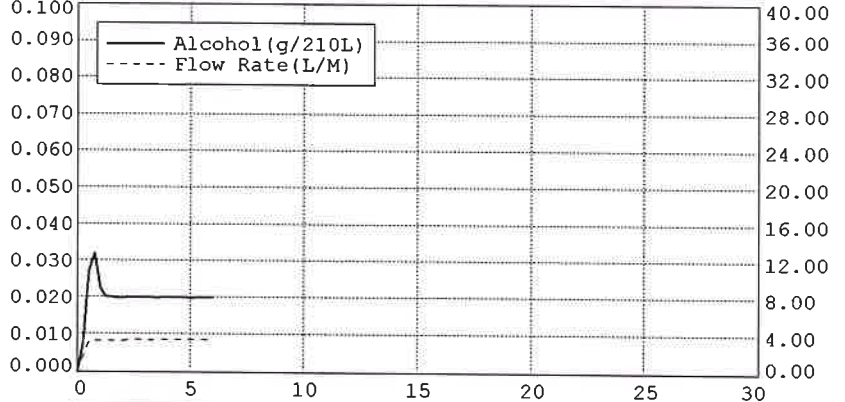
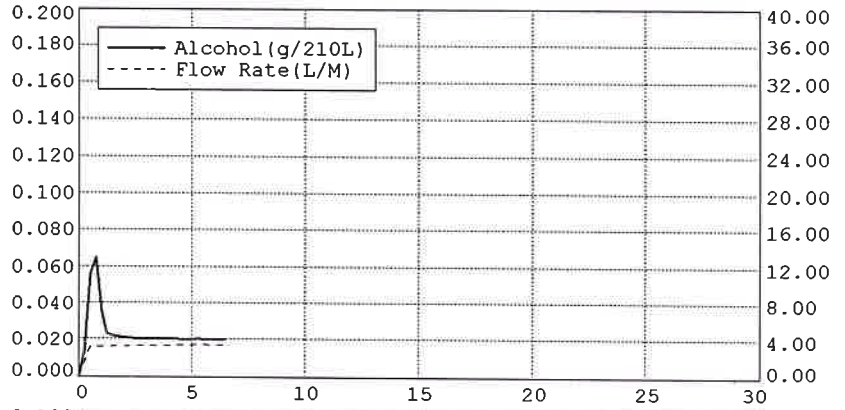
Lot AG 408002

Exp 3/20/26

Tank # 001

COB 4/2/24

Tank 001 Avg = 0.021



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 04/02/2024
 Time: 10:45:41

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

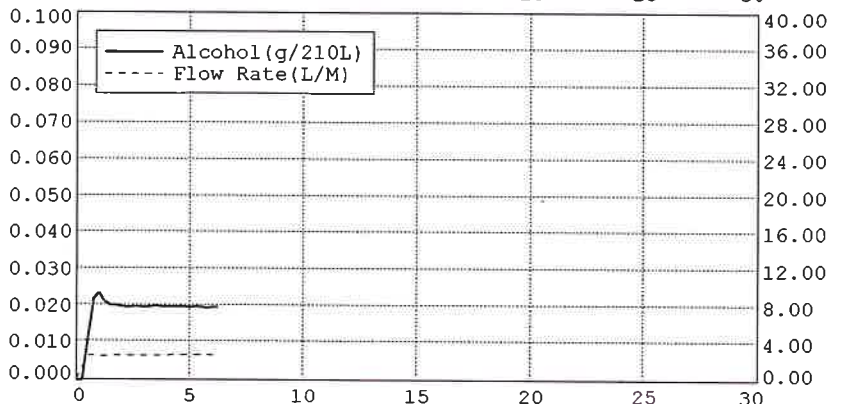
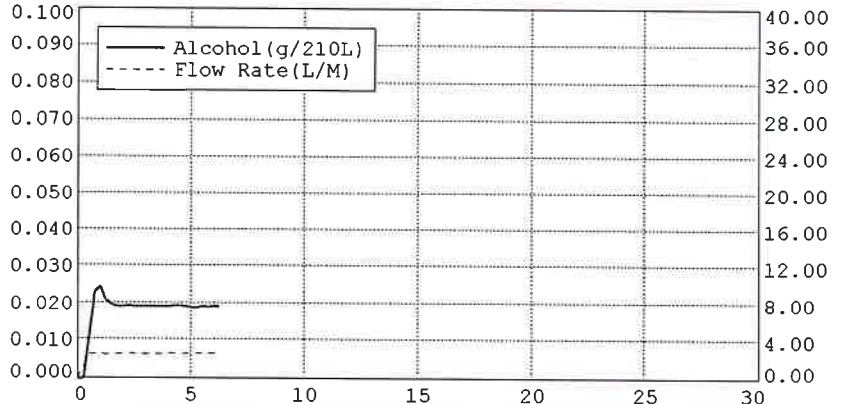
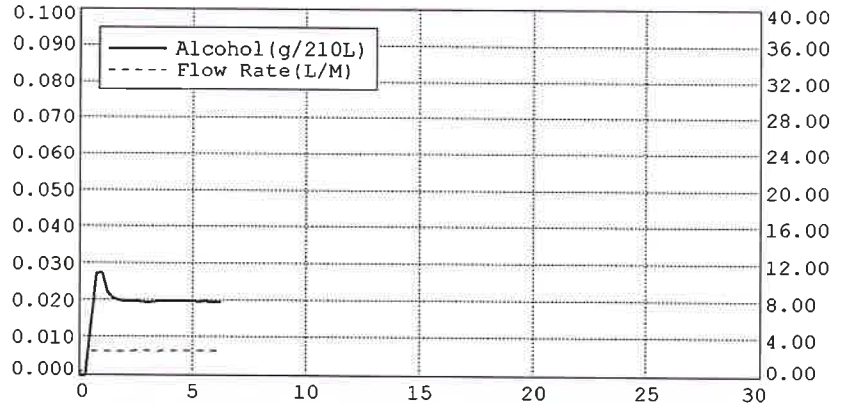
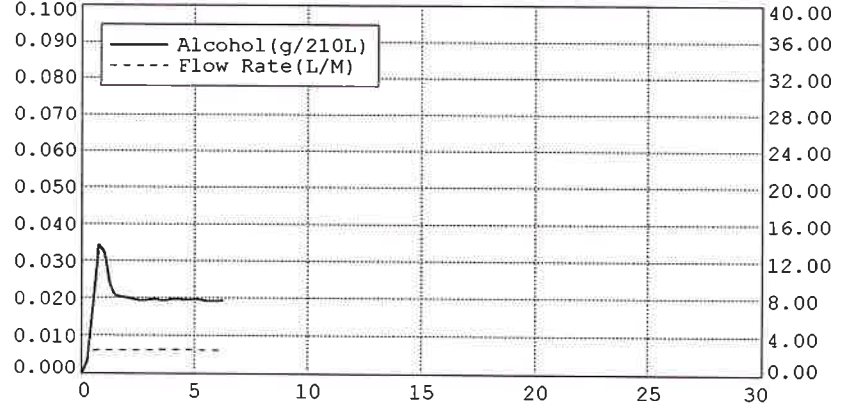
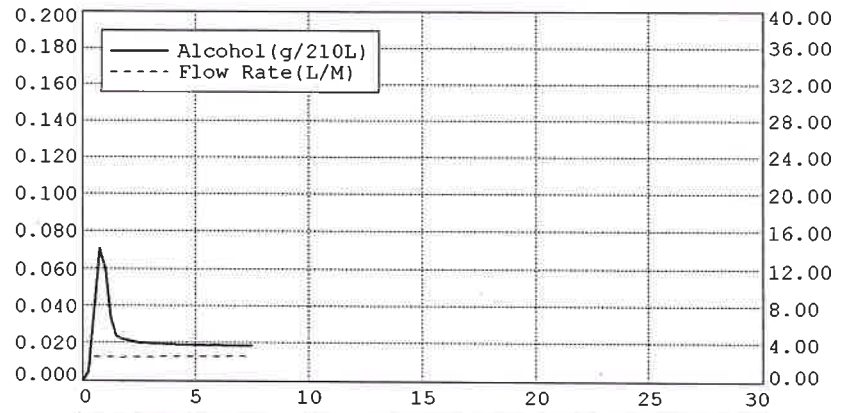
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.27: 0.020
 TANK PRESSURE: 684 psi

BLANK TEST	0.000	10:46
INTERNAL STANDARD	VERIFIED	10:47
EXTERNAL STANDARD	0.020	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.020	10:48
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.021	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.020	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.021	10:51
BLANK TEST	0.000	10:52

Average = 0.0204
 Std Dev = 0.0005

Lot AG408002
Exp 3/30/26
Tank 001

COB 4/2/24



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 04/02/2024
 Time: 10:53:15

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.29: 0.020
 TANK PRESSURE: 674 psi

BLANK TEST	0.000	10:54
INTERNAL STANDARD	VERIFIED	10:54
EXTERNAL STANDARD	0.021	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.020	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.022	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.020	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.021	10:59
BLANK TEST	0.000	10:59

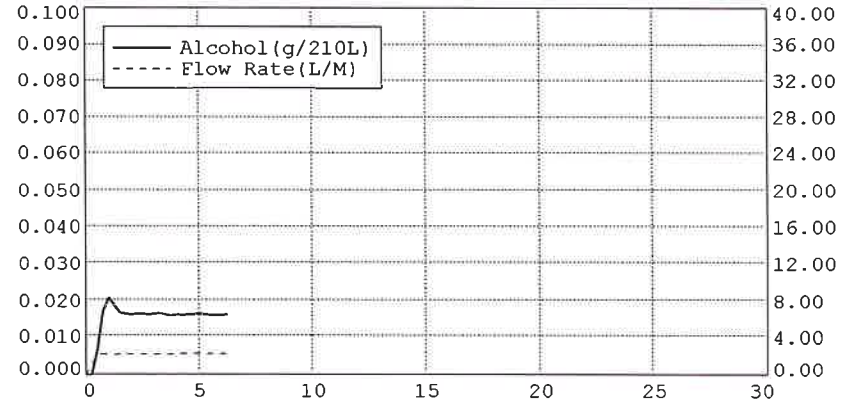
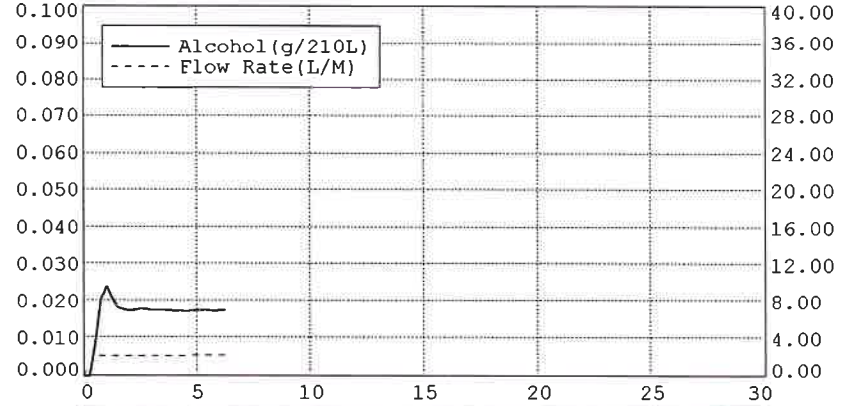
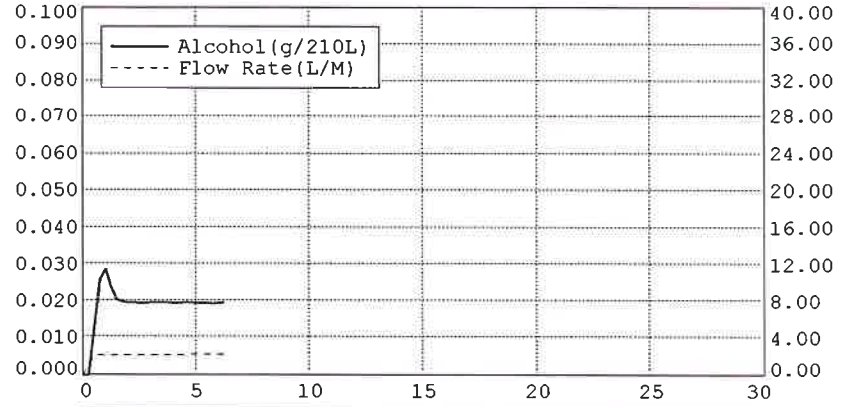
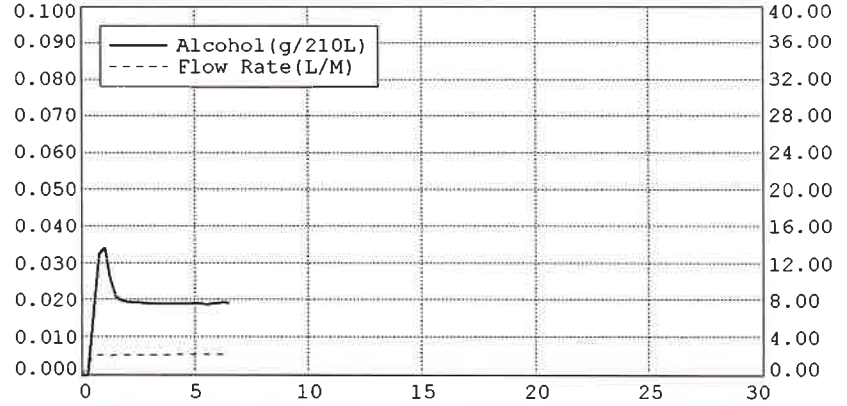
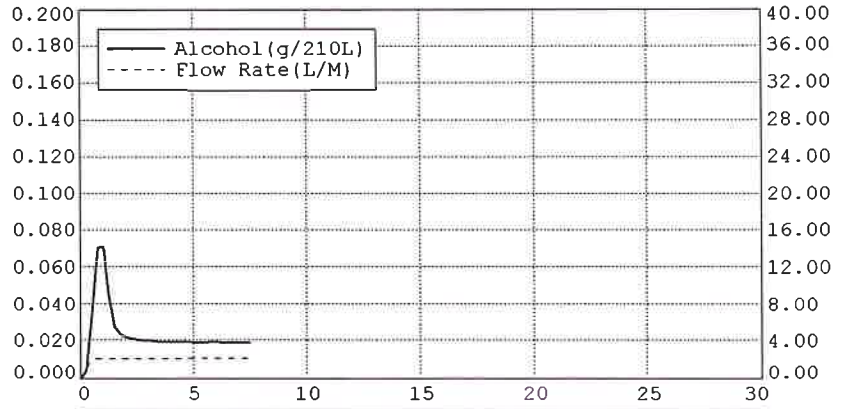
Average = 0.0208
 Std Dev = 0.0008

Lot AG 408002

Exp 3/30/26

Tank # 001

COB 4/2/24



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 04/02/2024
 Time: 11:09:19

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.26: 0.020
 TANK PRESSURE: 1158 psi

BLANK TEST	0.000	11:10
INTERNAL STANDARD	VERIFIED	11:10
EXTERNAL STANDARD	0.021	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.021	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.021	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.021	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.021	11:15
BLANK TEST	0.000	11:15

Average = 0.0210
 Std Dev = 0.0000

Lot AG408002

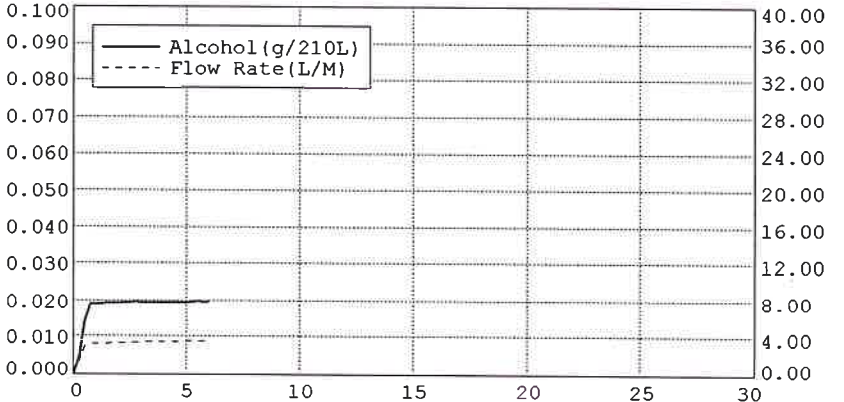
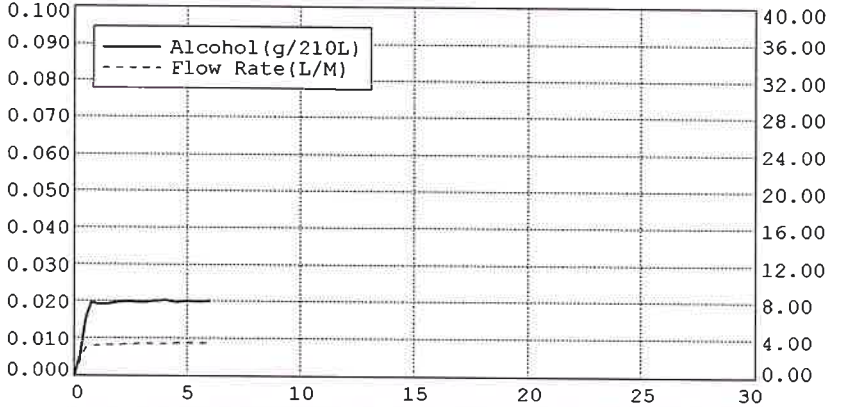
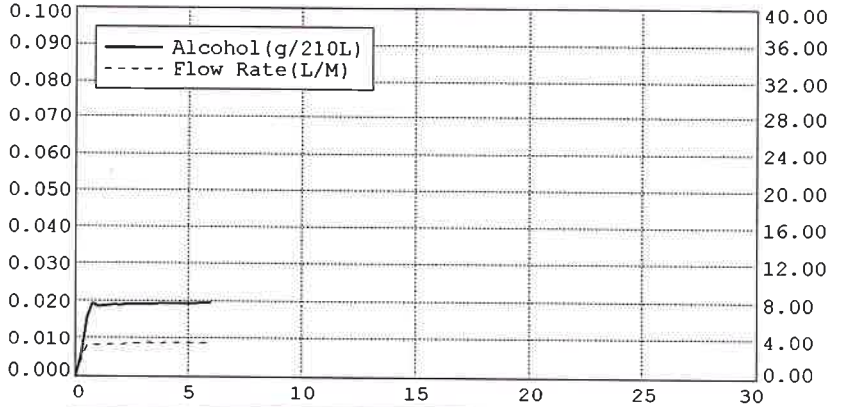
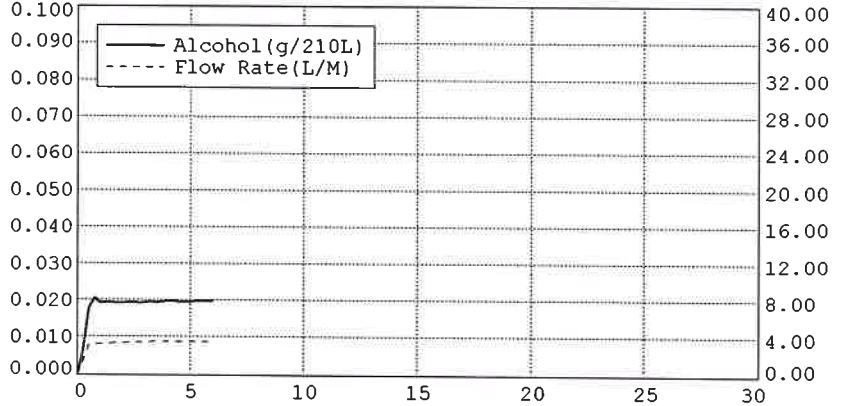
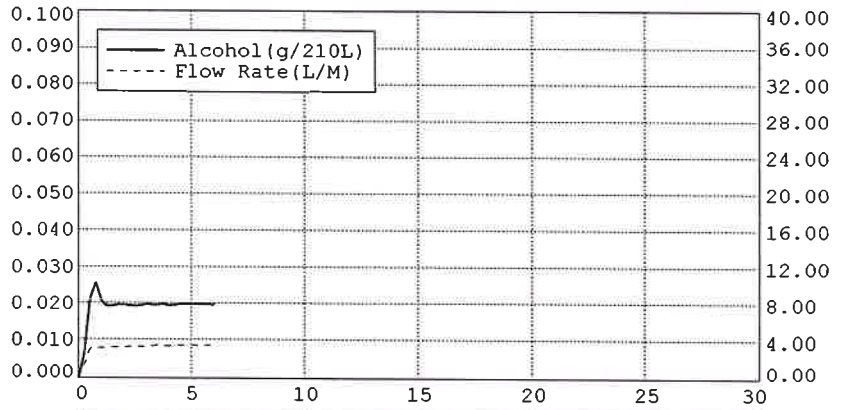
Exp 3/20/26

Tank # 002

COB 4/2/24

Filter COB

Tank 002 Avg = 0.020



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 04/02/2024
Time: 10:56:00

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.28: 0.020
TANK PRESSURE: 1128 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	0.020	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.020	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.020	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.020	11:01
BLANK TEST	0.000	11:02

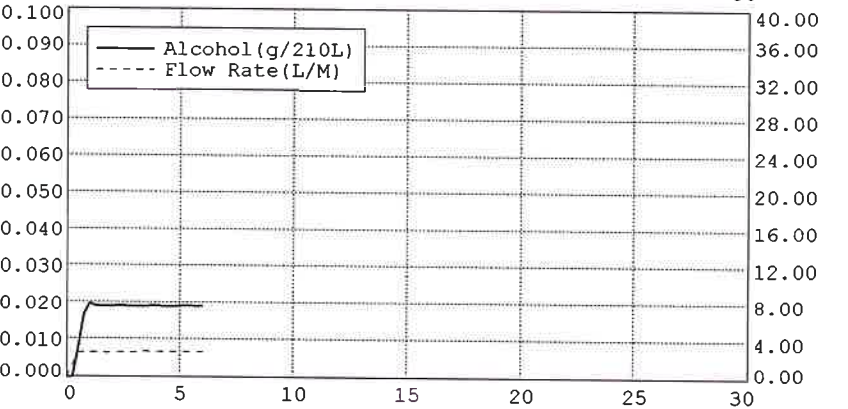
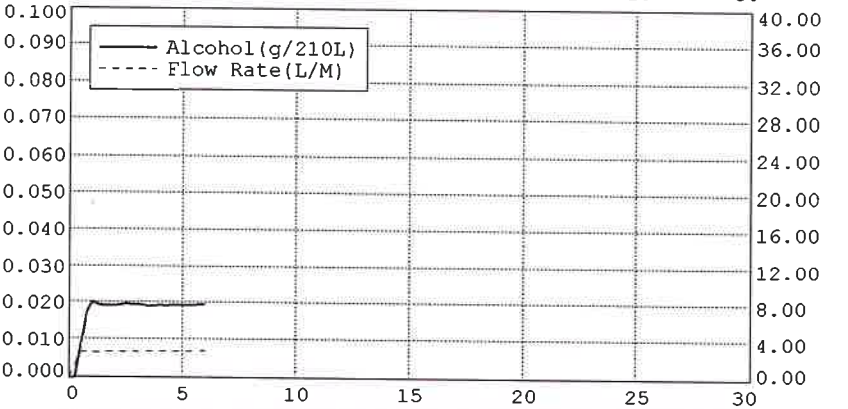
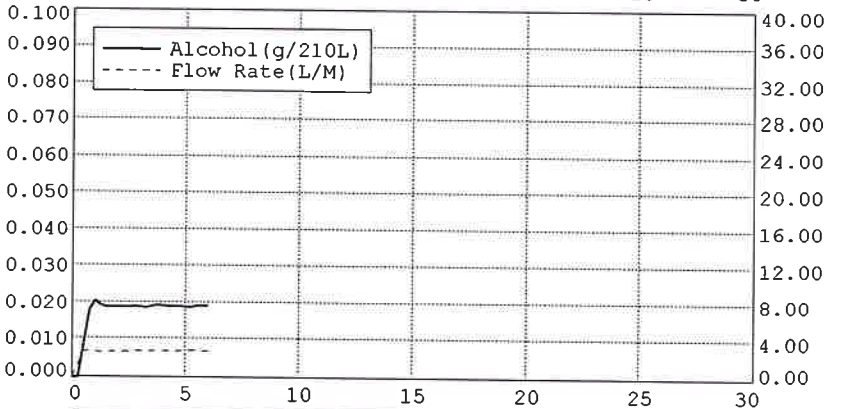
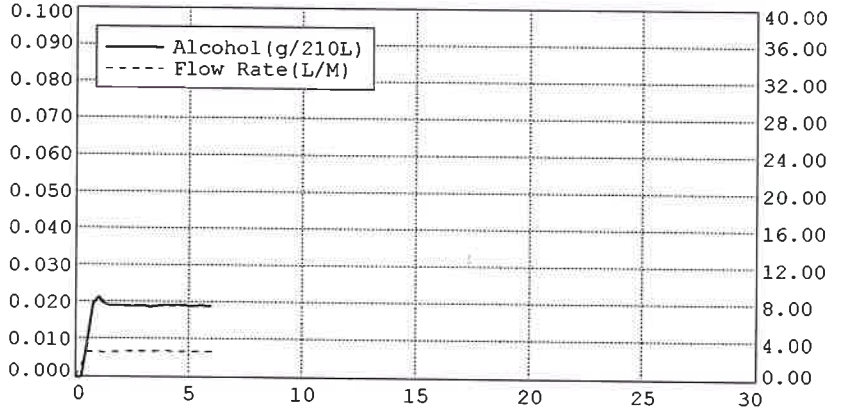
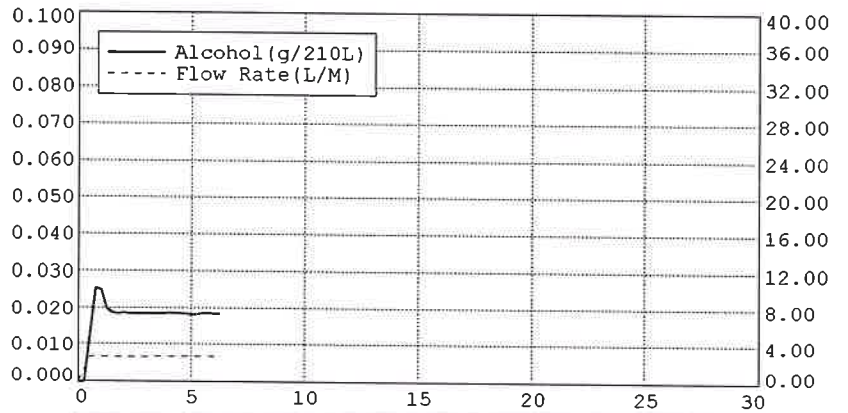
Average = 0.0200
Std Dev = 0.0000

Lot AG 408002

Exp 3/20/26

Tank# 002

COB 4/2/24



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 04/02/2024
Time: 11:06:50

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.29: 0.020
TANK PRESSURE: 1118 psi

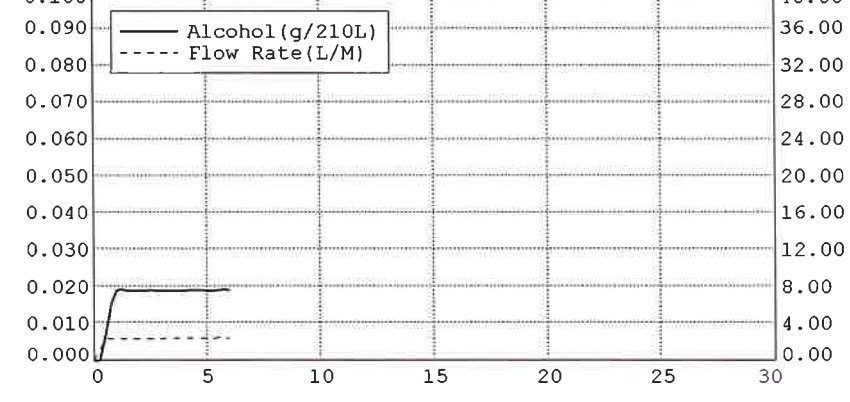
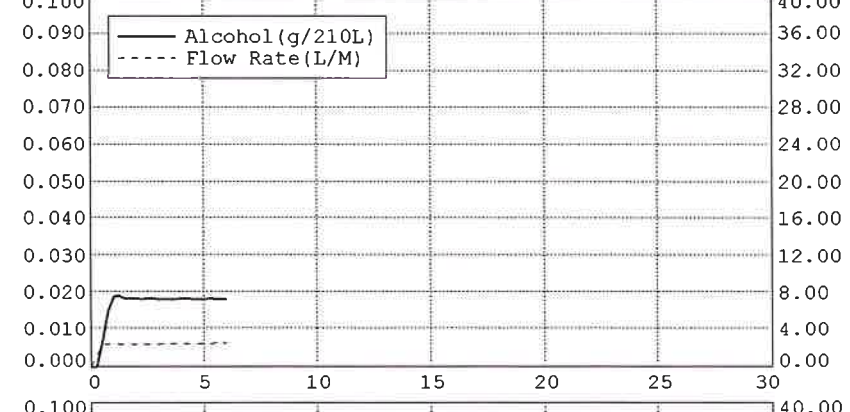
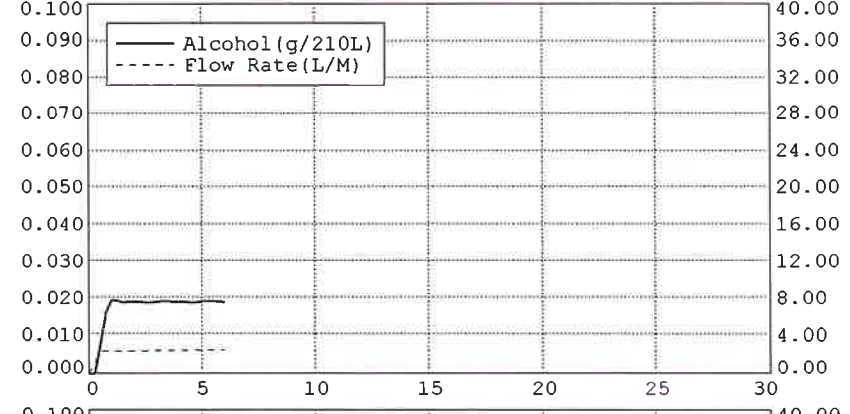
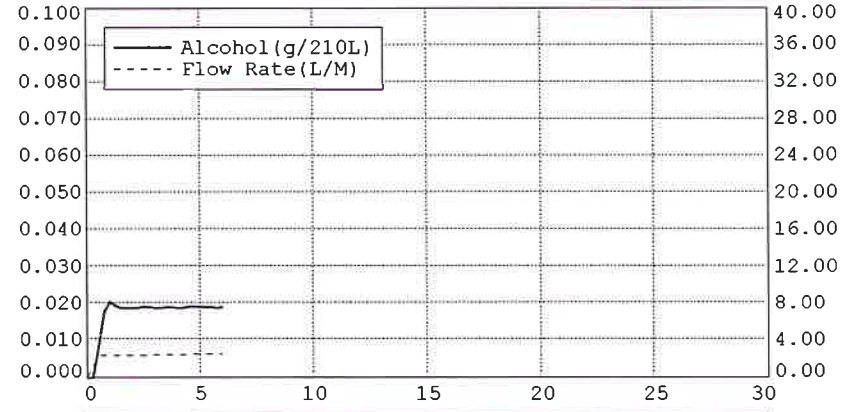
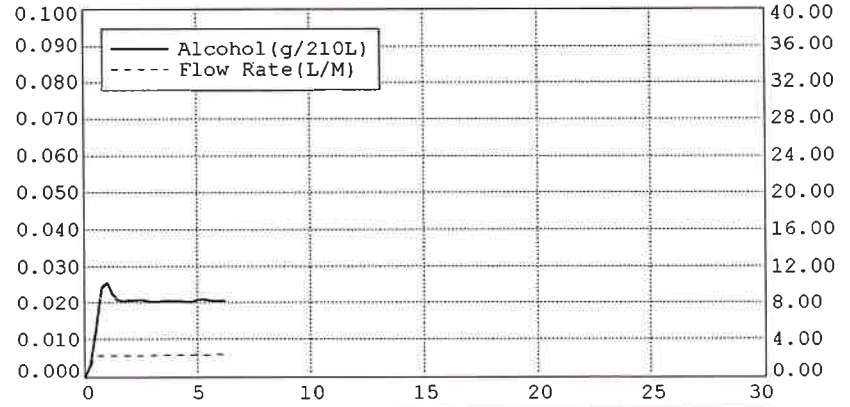
BLANK TEST	0.000	11:09
INTERNAL STANDARD	VERIFIED	11:09
EXTERNAL STANDARD	0.021	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.021	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.020	11:12
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.020	11:13
BLANK TEST	0.000	11:14
EXTERNAL STANDARD	0.020	11:14
BLANK TEST	0.000	11:15

Average = 0.0204
Std Dev = 0.0005

*Acob Lot AG408002
Exp 3/30/26*

Tank 002

COB 4/2/24



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 04/02/2024
Time: 11:18:30

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.020
TARGET AT 29.27: 0.020
TANK PRESSURE: 1162 psi

BLANK TEST	0.000	11:20
INTERNAL STANDARD	VERIFIED	11:20
EXTERNAL STANDARD	0.021	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.020	11:21
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.021	11:22
BLANK TEST	0.000	11:23
EXTERNAL STANDARD	0.021	11:23
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.021	11:24
BLANK TEST	0.000	11:25

Average = 0.0208
Std Dev = 0.0004

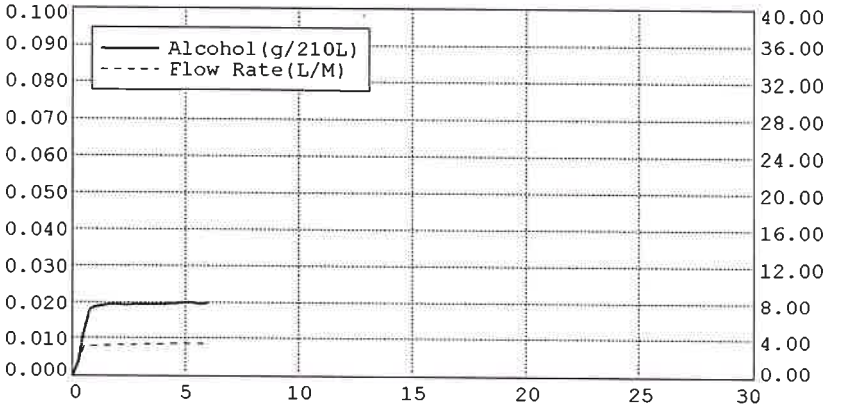
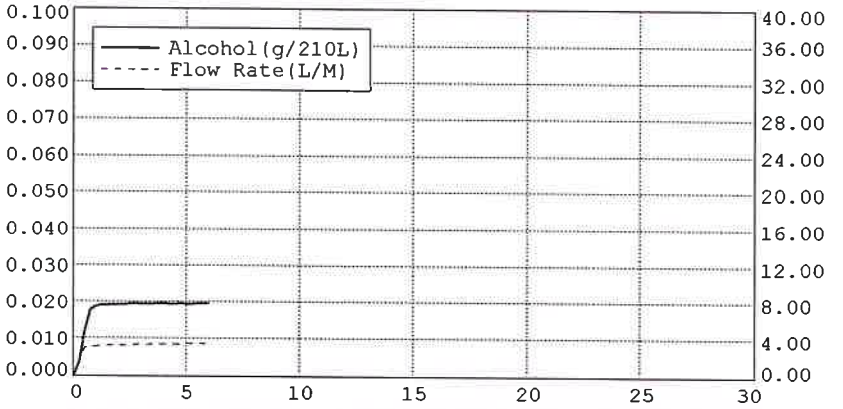
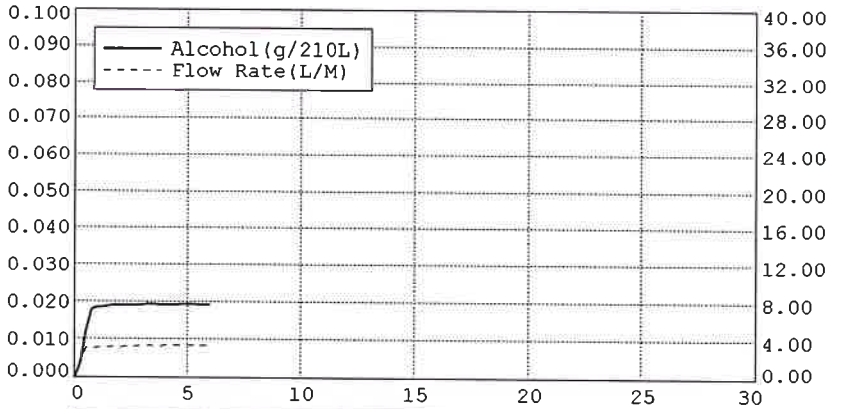
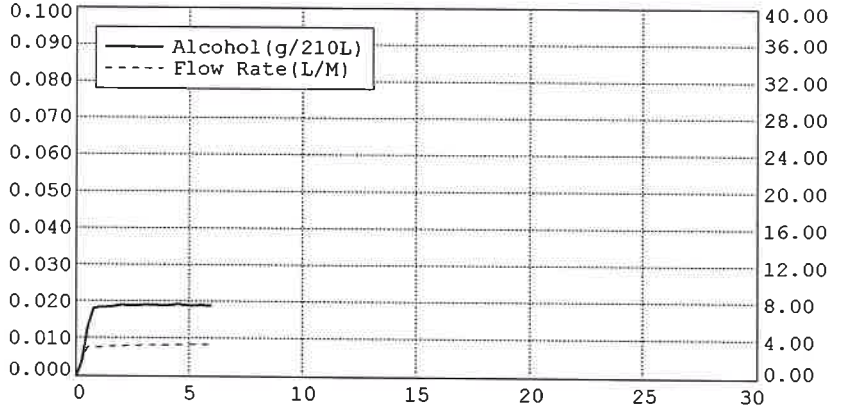
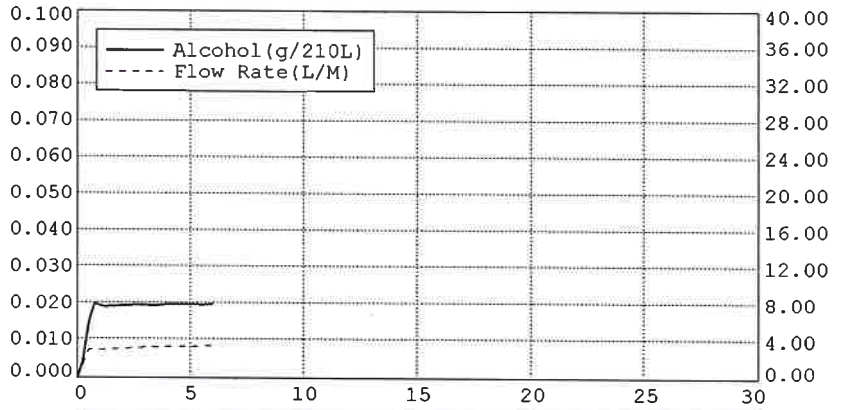
Lot AG408002

Exp 3/20/26

Tank 003

003 4/2/24

Tank 003 Avg = 0.020



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

Date: 04/02/2024
 Time: 11:06:43

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

EXTERNAL STANDARD INFORMATION

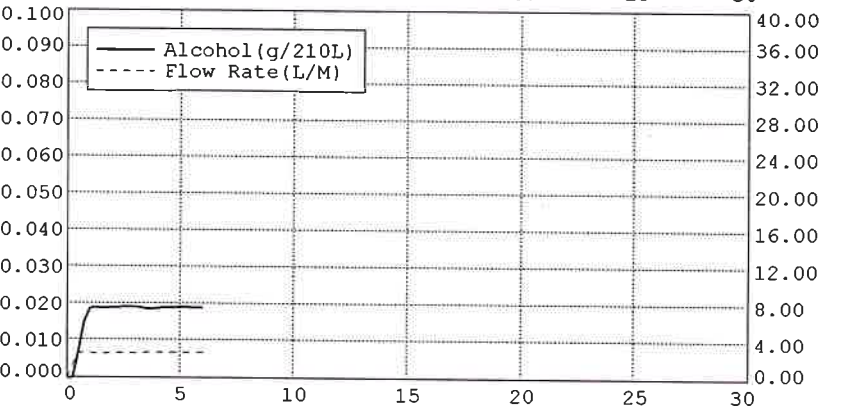
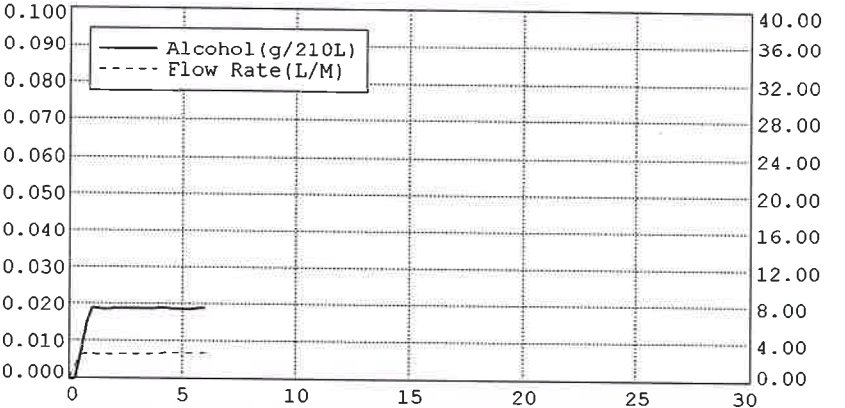
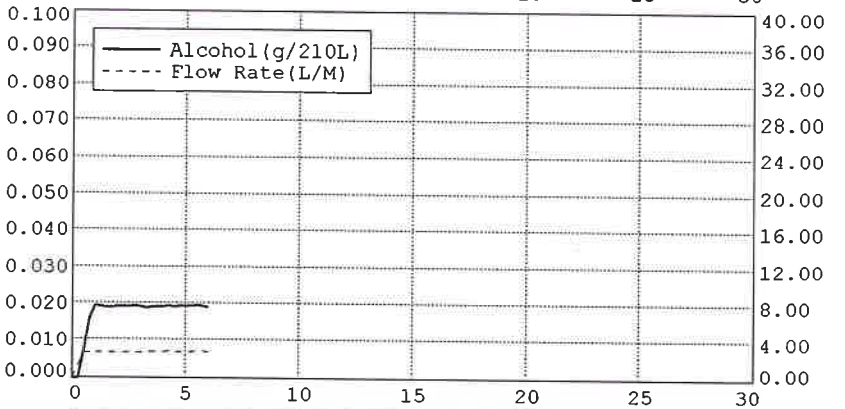
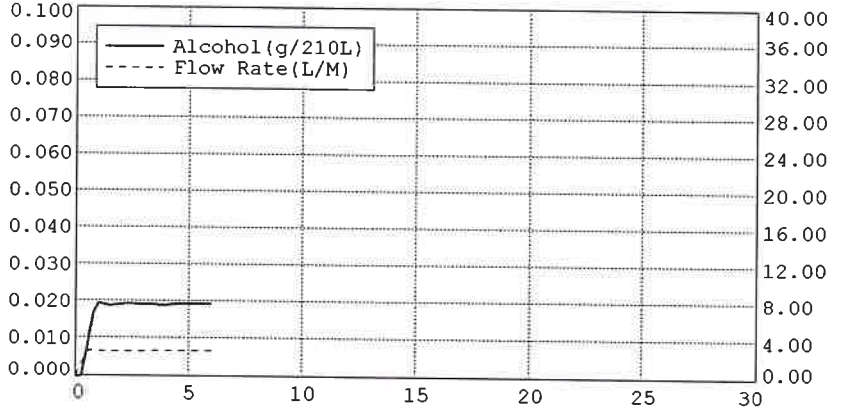
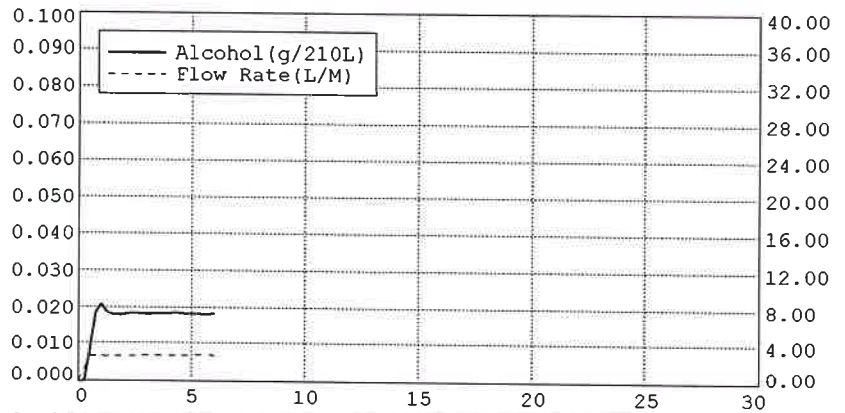
NOMINAL: 0.020
 TARGET AT 29.28: 0.020
 TANK PRESSURE: 1132 psi

BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.020	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.020	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.020	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.020	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.020	11:12
BLANK TEST	0.000	11:13

Average = 0.0200
 Std Dev = 0.0000

Lot AG408002
Exp 3/20/26
Tank# 003

003 4/2/24



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 04/02/2024
 Time: 11:17:02

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

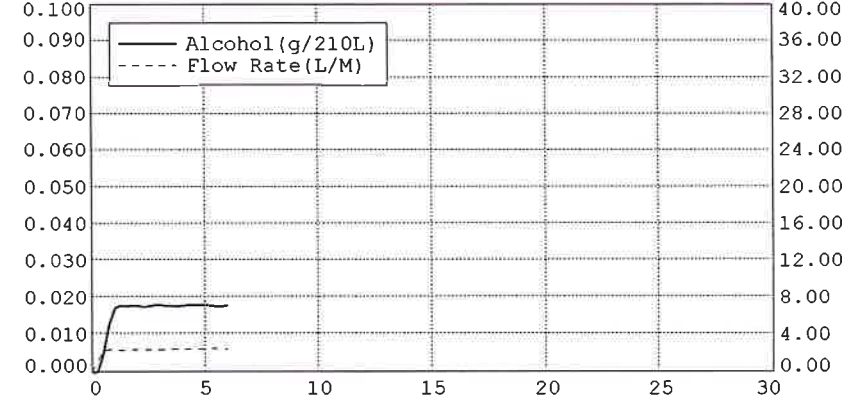
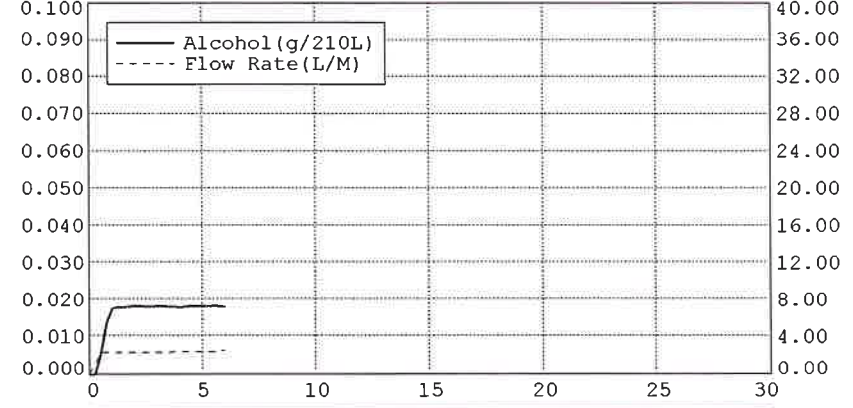
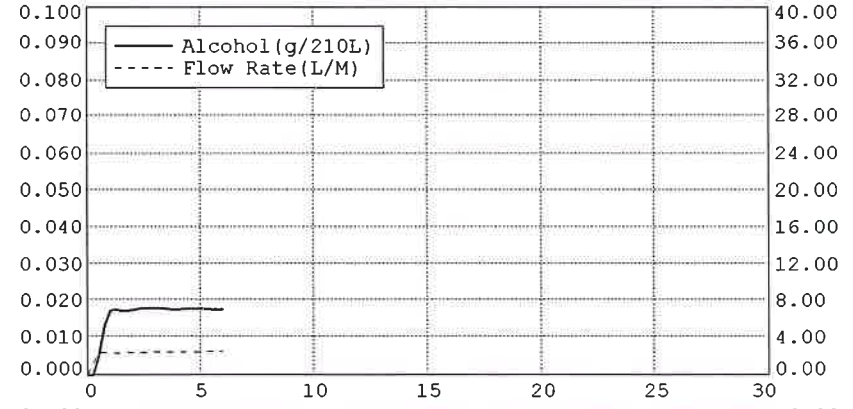
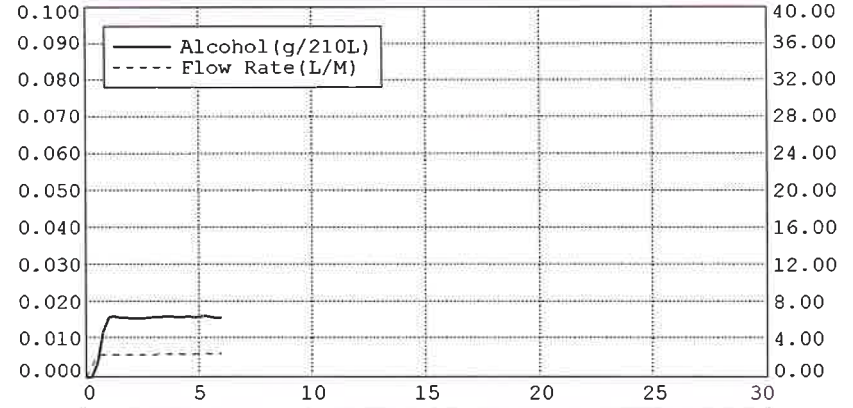
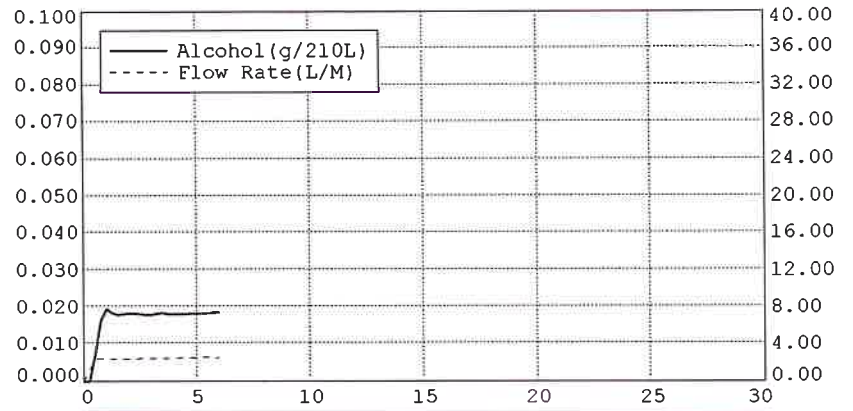
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.020
 TARGET AT 29.30: 0.020
 TANK PRESSURE: 1122 psi

BLANK TEST	0.000	11:18
INTERNAL STANDARD	VERIFIED	11:18
EXTERNAL STANDARD	0.020	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.021	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.018	11:21
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.023	11:22
BLANK TEST	0.000	11:23
EXTERNAL STANDARD	0.020	11:23
BLANK TEST	0.000	11:24

Average = 0.0204
 Std Dev = 0.0018

Lot AG408002
Exp 3/20/26
Tank# 003

003 4/2/24



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 04/02/2024
Time: 10:15:55

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 = 1.55 V PASSED
(0.92 V - 2.16 V)
Cooler Voltage = 1.57 V PASSED
(0.92 V - 2.16 V)
Bias Voltage = 80 V PASSED
(47 V - 111 V)
Chopper Freq = 541 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.046 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 = 0.091 0.19% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100375

Date: 04/02/2024
Time: 10:21 AM

Temperatures (°C)

Sample Cell: 49.2°C
Breath Tube: 48.1°C

Current Barometer 29.2 in
Volume (Ltr) 0.00

Settings

Lamp: 1.54 V
Bias: 80 V
Cooler: 1.57 V
Chopper: 539 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.008 V

LINEARITY CHECK

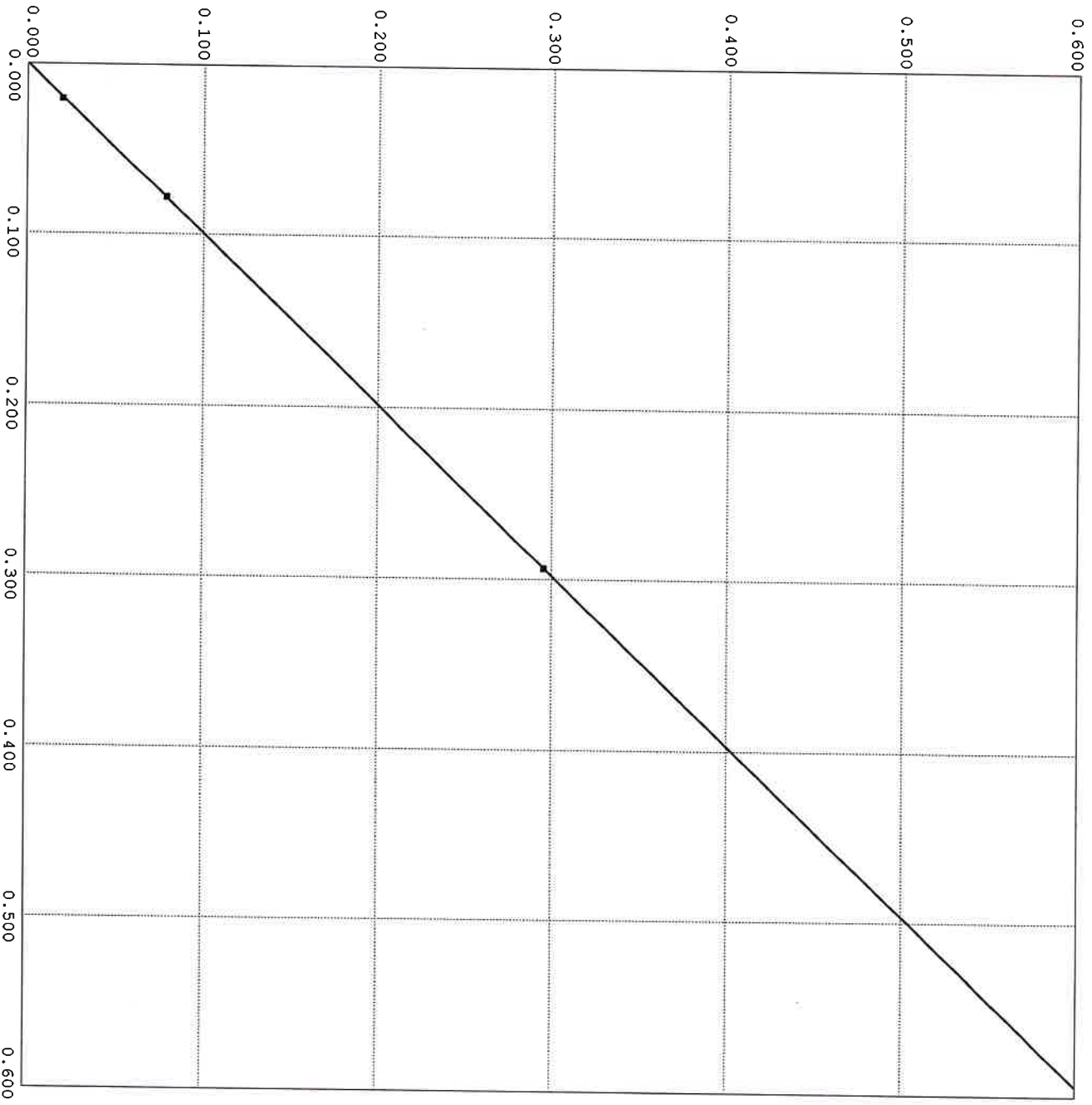
Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 04/02/2024
Time: 10:28:32

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

TARGET	AVERAGE	STD. DEV.
0.020	0.0204	0.0005
0.078	0.0800	0.0000
0.293	0.2962	0.0004

SLOPE = 1.008985
R² = 0.9999986



LR

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100375

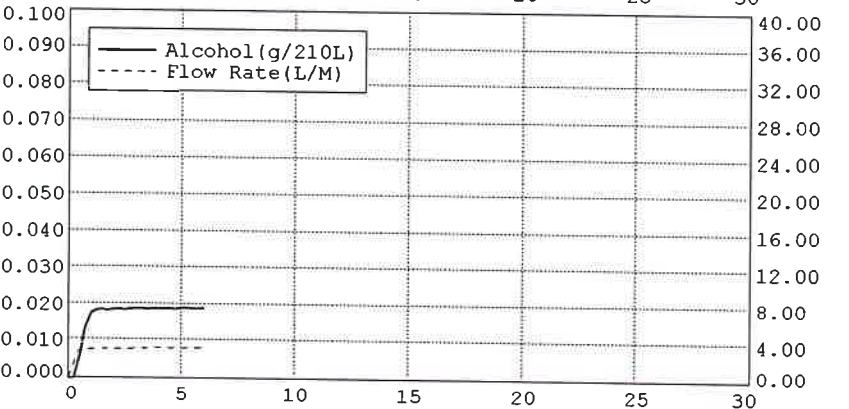
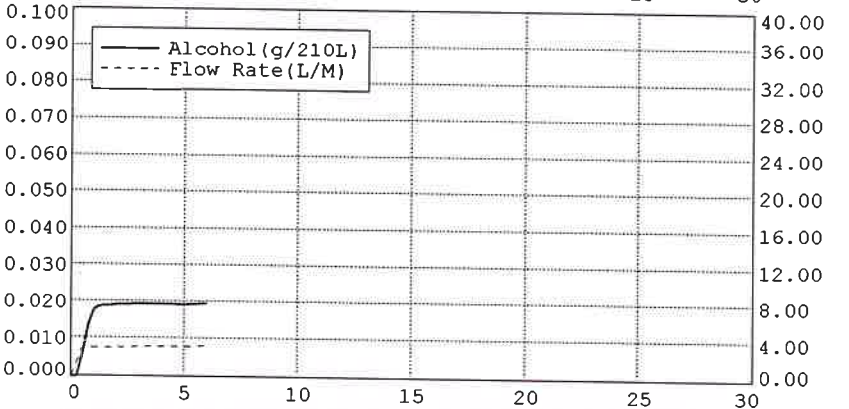
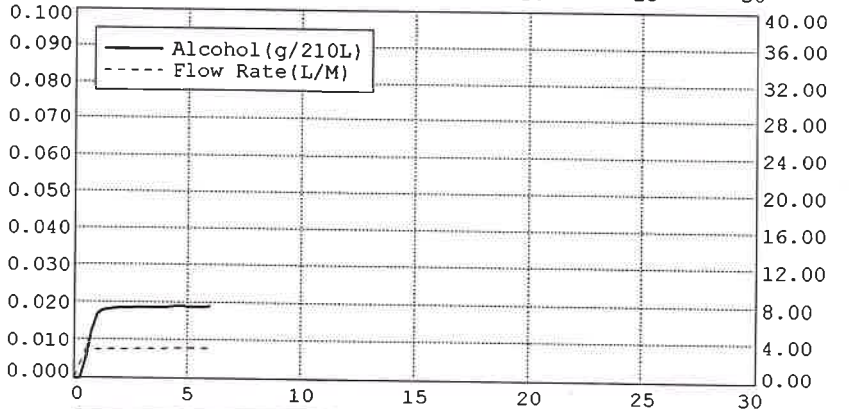
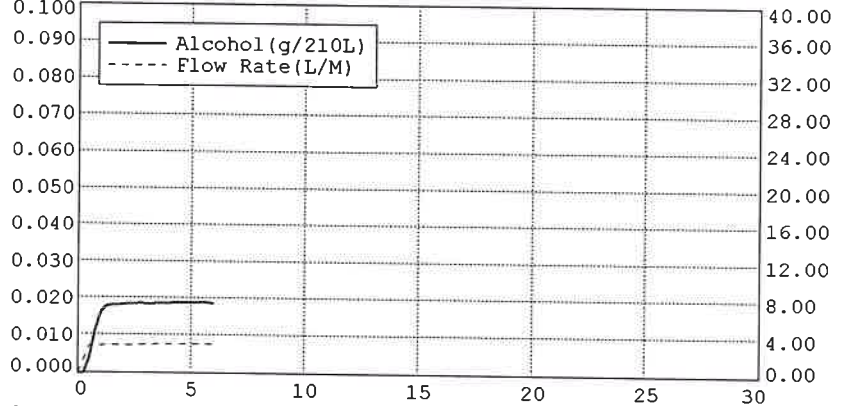
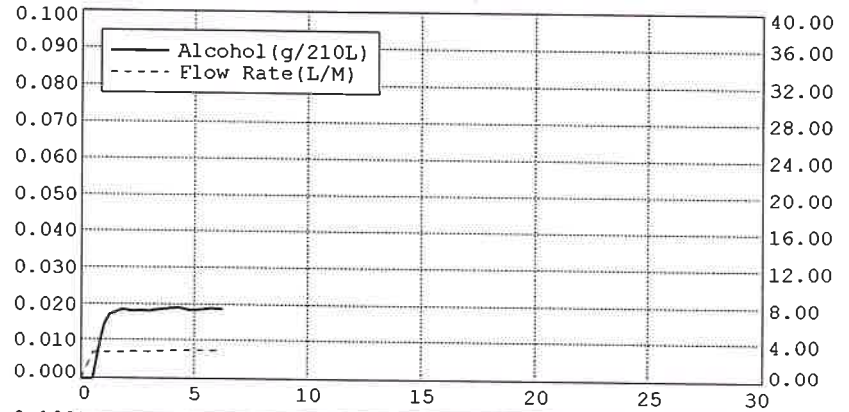
Date: 04/02/2024
Time: 10:28:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.24: 0.020
LOT #: AG217902
EXPIRATION: 06/28/2024
TANK PRESSURE: 567 psi

BLANK TEST	0.000	10:30
INTERNAL STANDARD	VERIFIED	10:30
EXTERNAL STANDARD	0.021	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.020	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.020	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.021	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.020	10:34
BLANK TEST	0.000	10:35

Average = 0.0204
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100375

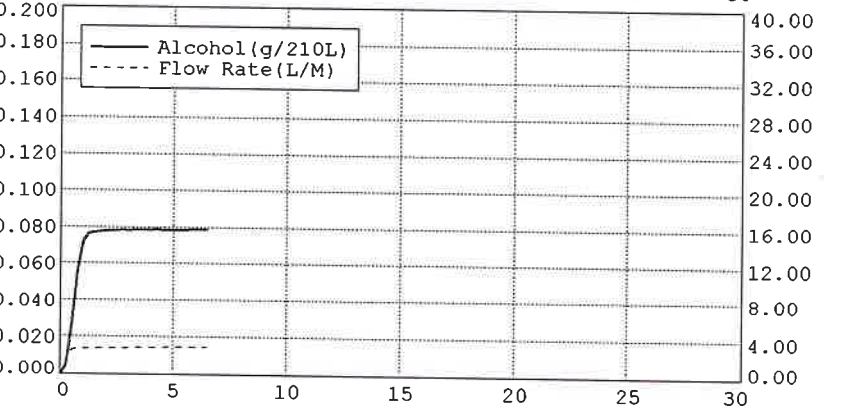
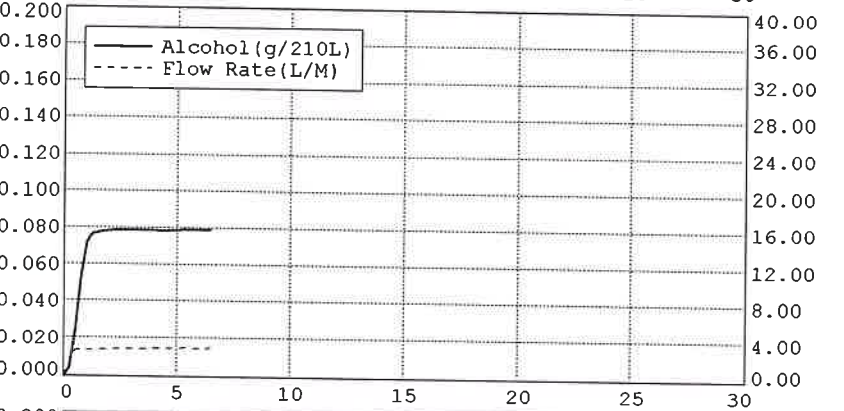
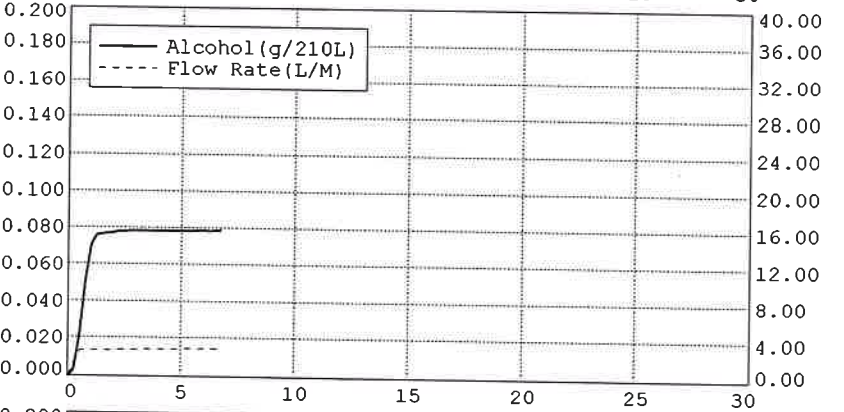
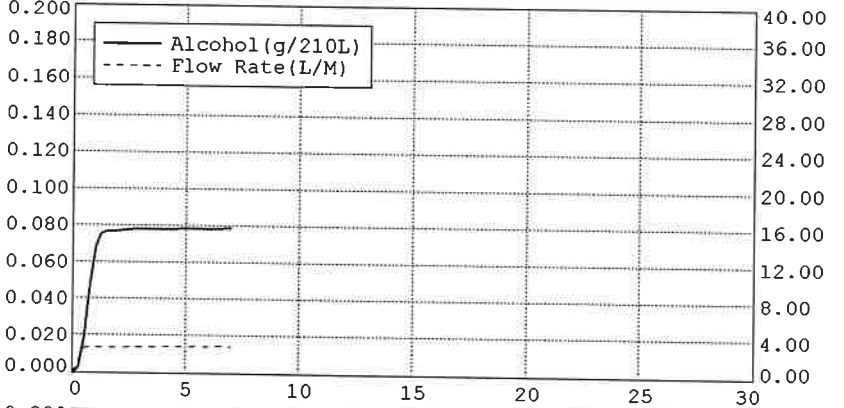
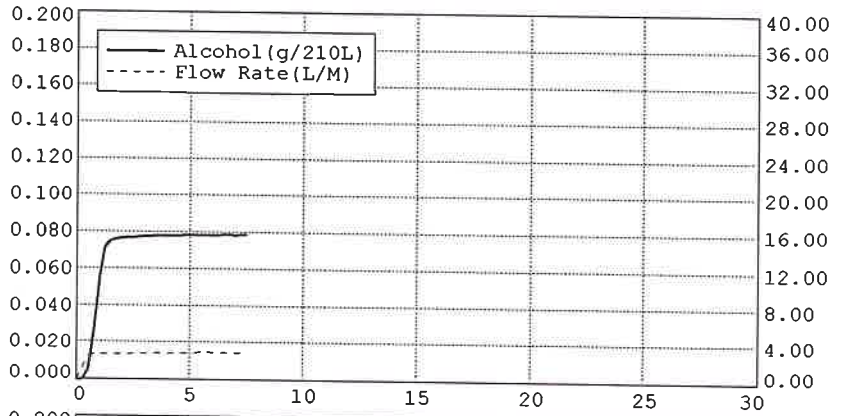
Date: 04/02/2024
Time: 10:36:35

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 163 psi

BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:38
EXTERNAL STANDARD	0.080	10:38
BLANK TEST	0.000	10:39
EXTERNAL STANDARD	0.080	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.080	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.080	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.080	10:42
BLANK TEST	0.000	10:43

Average = 0.0800
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100375

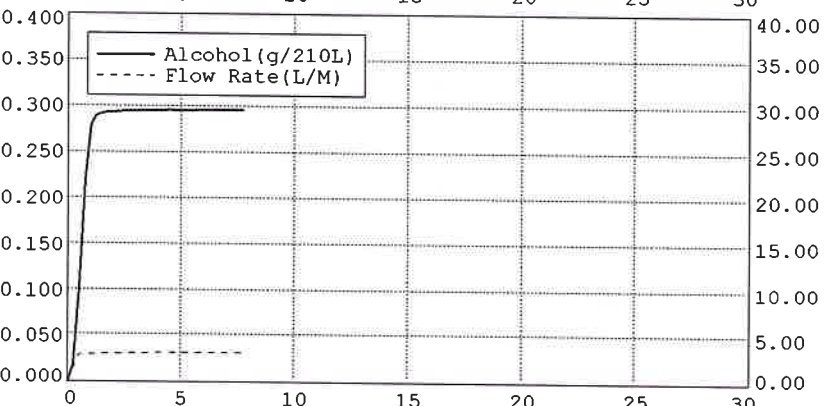
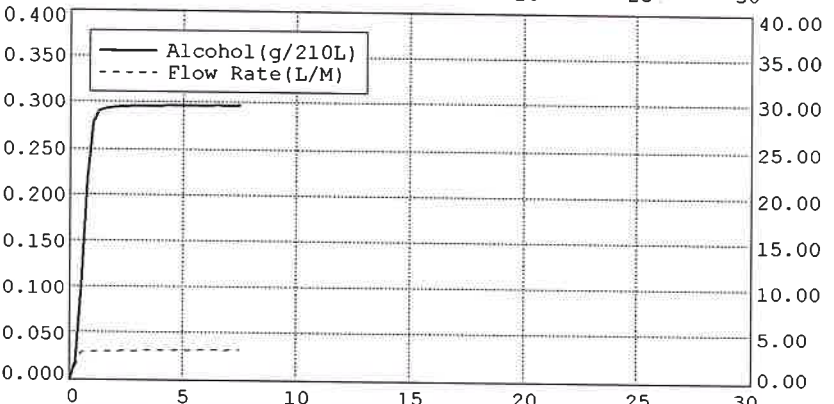
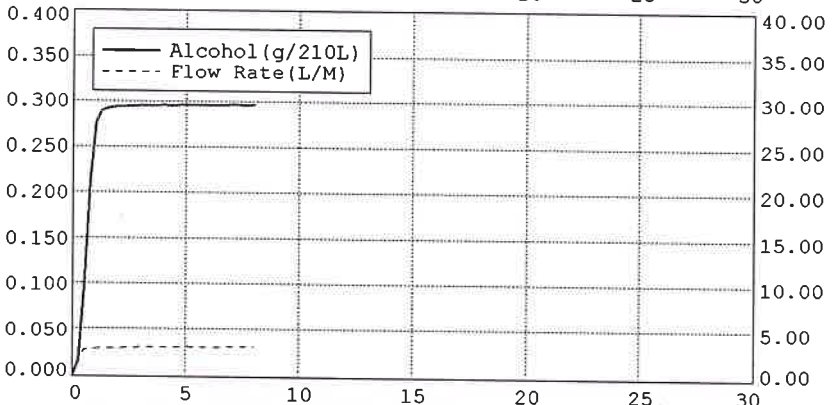
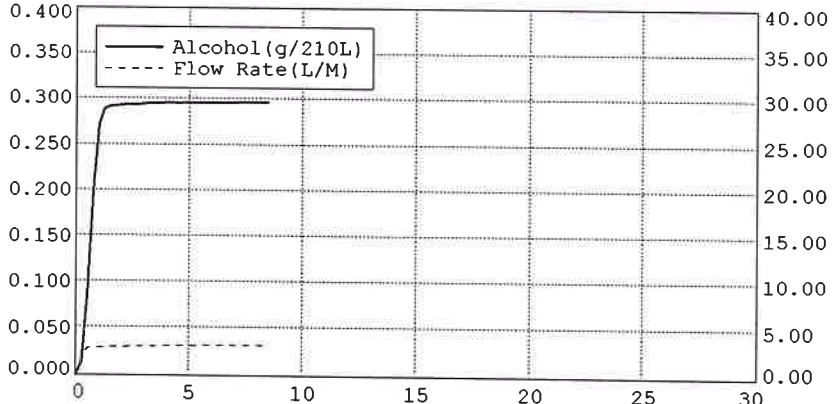
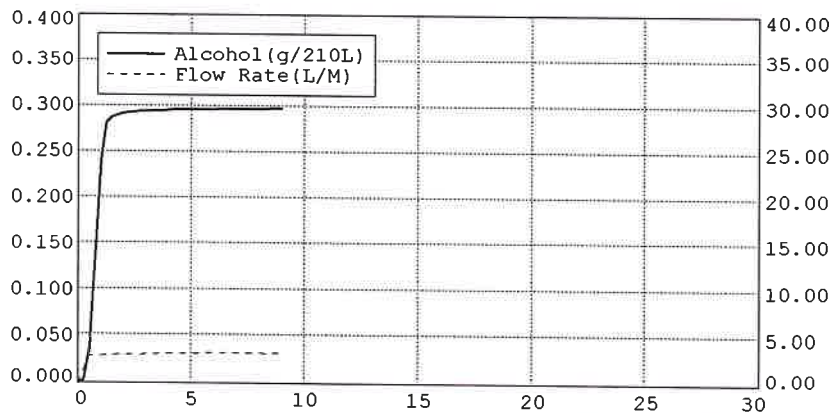
Date: 04/02/2024
Time: 10:44:28

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.25: 0.293
LOT #: AG327804
EXPIRATION: 10/05/2025
TANK PRESSURE: 246 psi

BLANK TEST	0.000	10:46
INTERNAL STANDARD	VERIFIED	10:46
EXTERNAL STANDARD	0.297	10:46
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.296	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.296	10:49
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.296	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.296	10:51
BLANK TEST	0.000	10:52

Average = 0.2962
Std Dev = 0.0004



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 04/02/2024
Time: 09:53:12

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.6°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.74 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.61 V PASSED
(1.04 V - 2.44 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 525 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.255 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

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

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.093 1.30% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100397

Date: 04/02/2024
Time: 10:01 AM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 47.8°C

Current Barometer 29.3 in
Volume (Ltr) 0.00

Settings

Lamp: 1.74 V
Bias: 81 V
Cooler: 1.69 V
Chopper: 524 Hz

Voltages (V)

Flow: 1.06 V
Detector: 0.075 V

LINEARITY CHECK

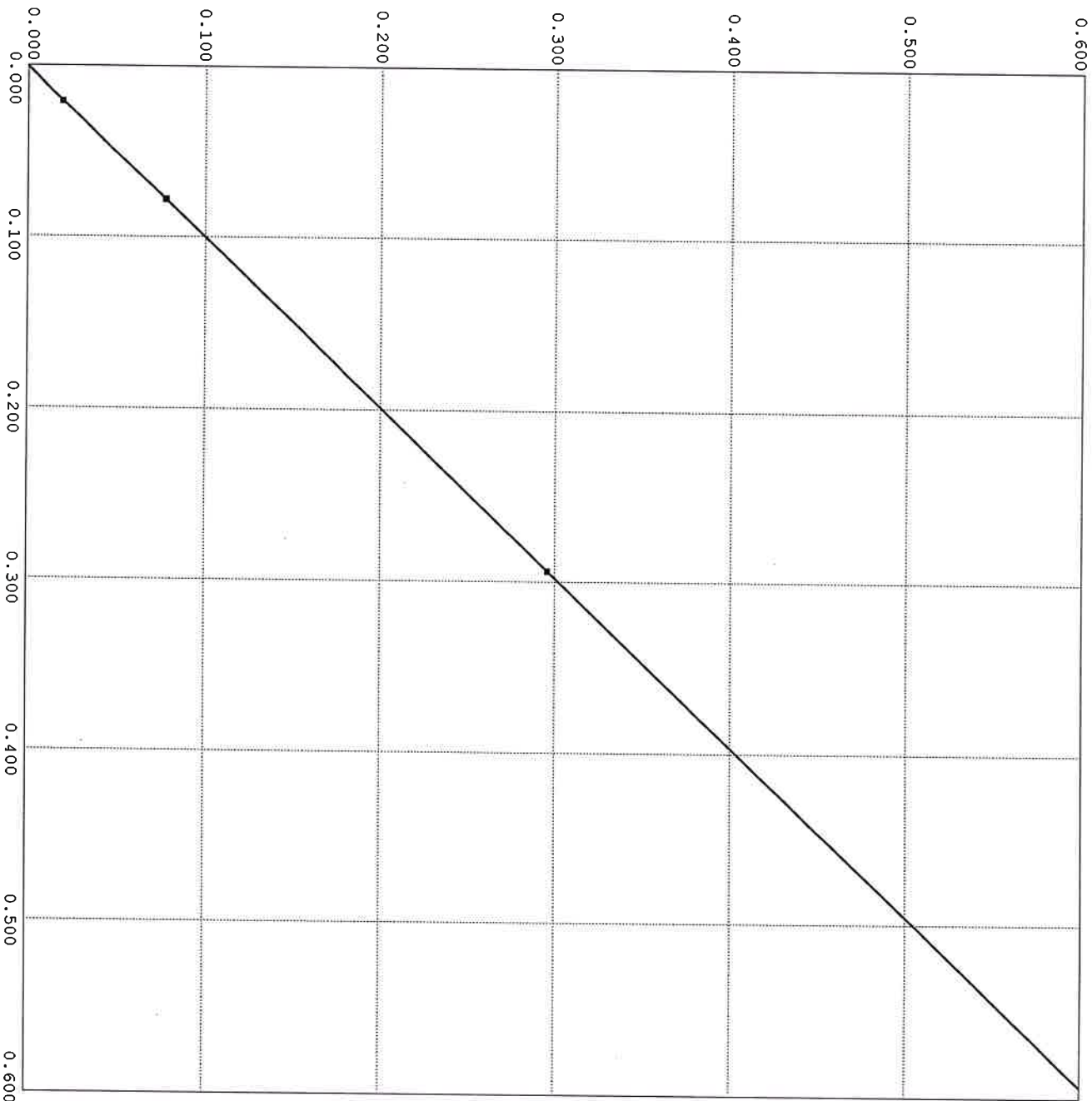
Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 04/02/2024
Time: 10:09:01

SUPERVISOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.078	0.0788	0.0004
0.293	0.2964	0.0005

SLOPE = 1.012356
R² = 1.000000



CSG

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

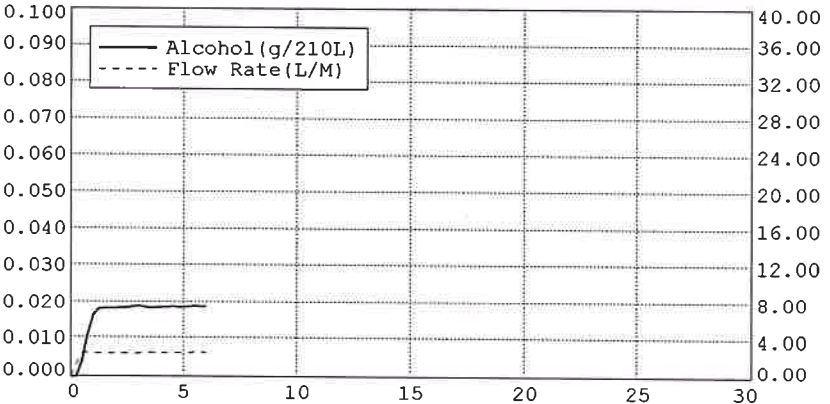
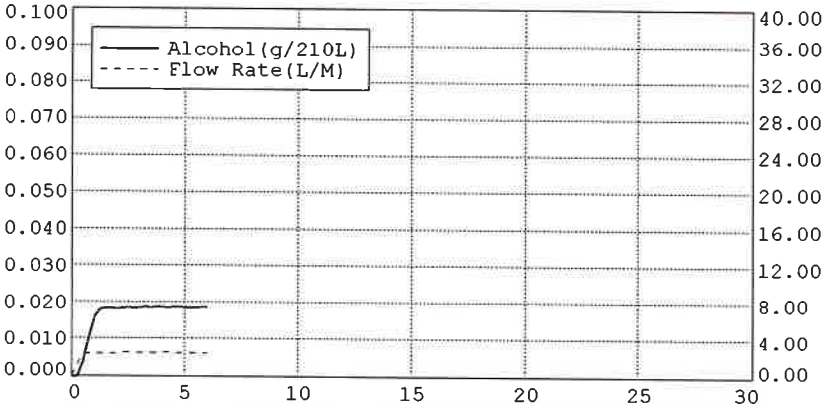
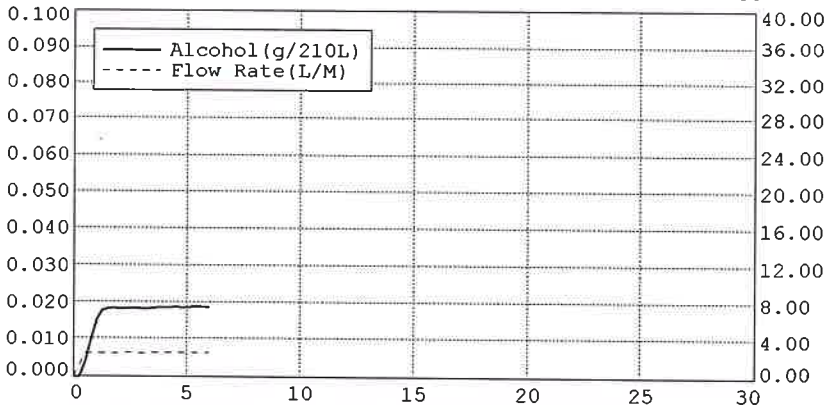
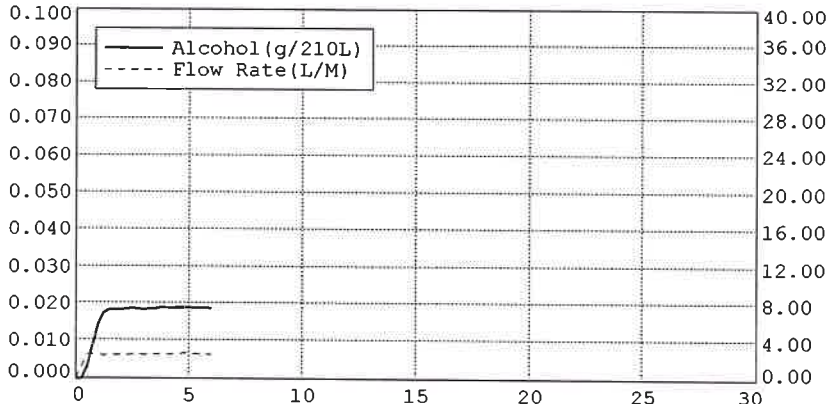
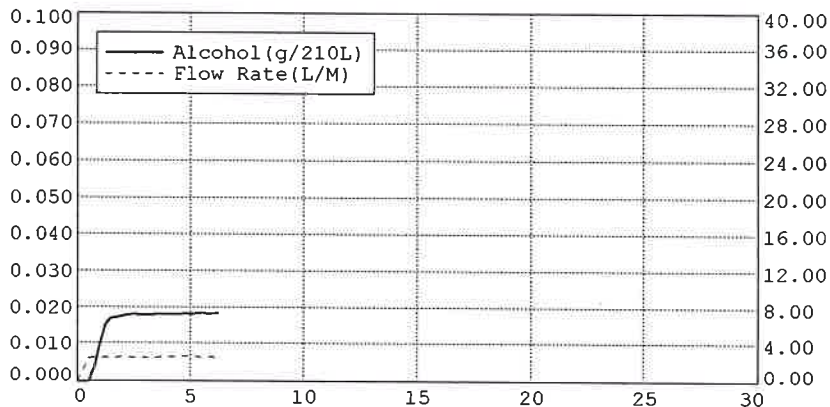
Date: 04/02/2024
 Time: 10:11:04

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.26: 0.020
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 536 psi

BLANK TEST	0.000	10:14
INTERNAL STANDARD	VERIFIED	10:15
EXTERNAL STANDARD	0.020	10:15
BLANK TEST	0.000	10:16
EXTERNAL STANDARD	0.020	10:16
BLANK TEST	0.000	10:17
EXTERNAL STANDARD	0.020	10:17
BLANK TEST	0.000	10:18
EXTERNAL STANDARD	0.020	10:18
BLANK TEST	0.000	10:19
EXTERNAL STANDARD	0.020	10:19
BLANK TEST	0.000	10:20

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100397

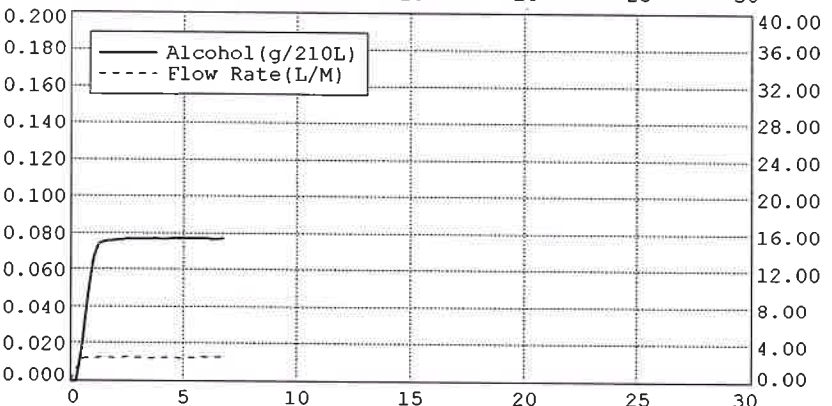
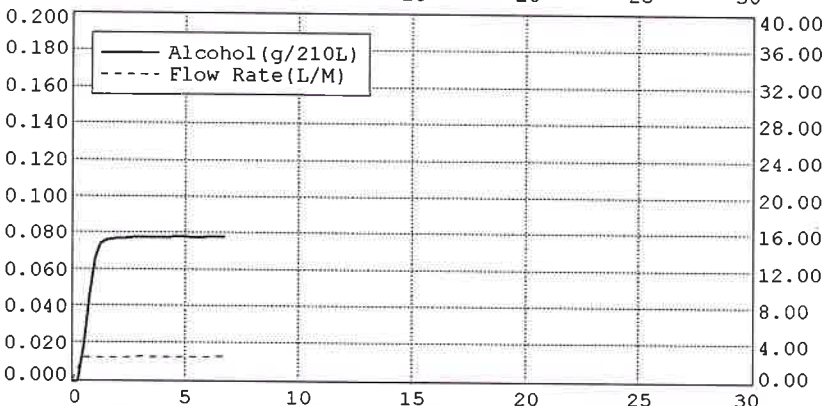
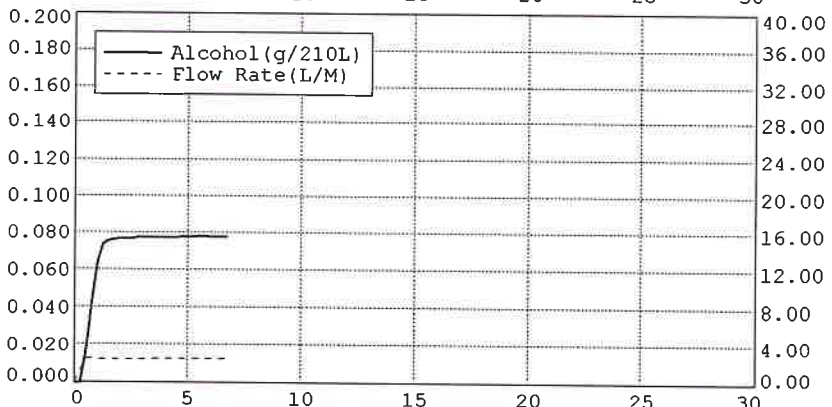
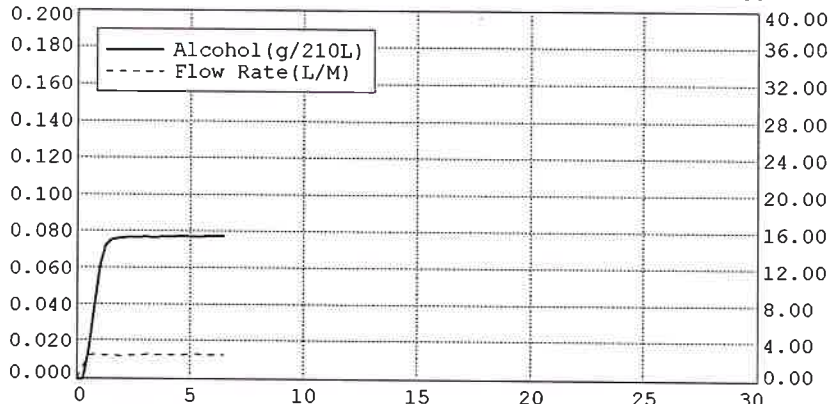
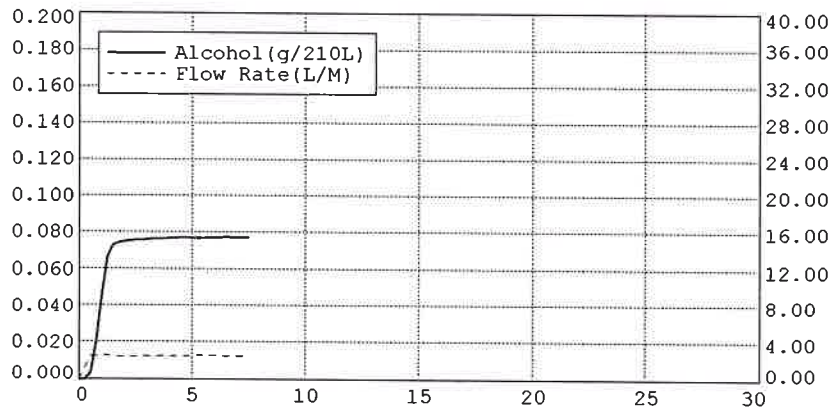
Date: 04/02/2024
 Time: 10:22:48

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.26: 0.078
 LOT #: 09523080A1
 EXPIRATION: 05/05/2025
 TANK PRESSURE: 0 psi

BLANK TEST	0.000	10:24
INTERNAL STANDARD	VERIFIED	10:24
EXTERNAL STANDARD	0.078	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.079	10:25
BLANK TEST	0.000	10:26
EXTERNAL STANDARD	0.079	10:26
BLANK TEST	0.000	10:27
EXTERNAL STANDARD	0.079	10:27
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.079	10:28
BLANK TEST	0.000	10:29

Average = 0.0788
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100397

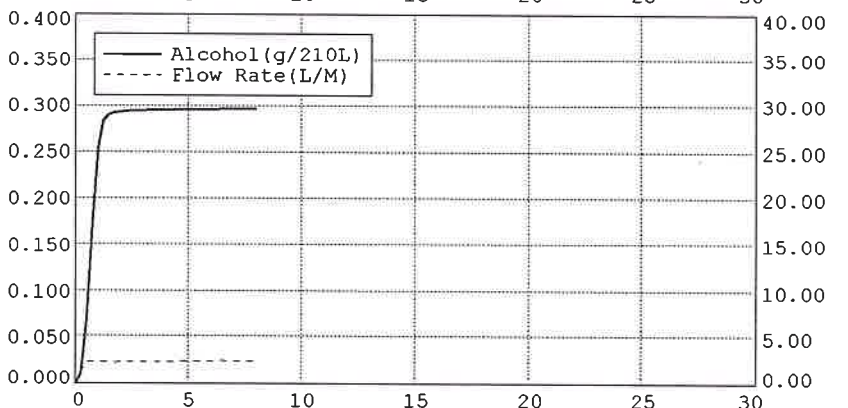
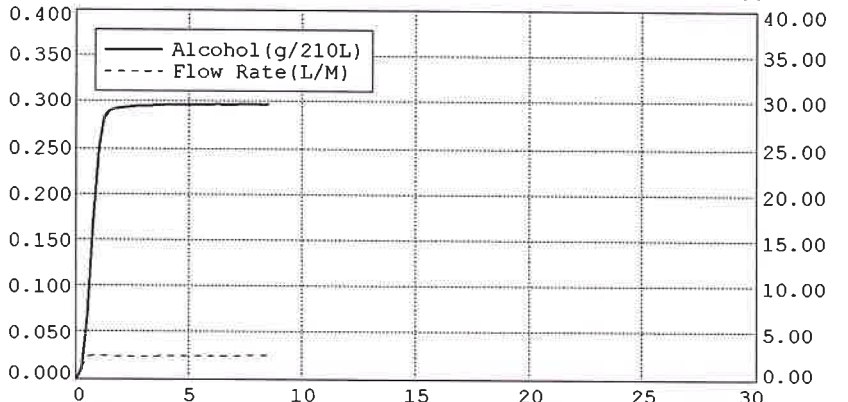
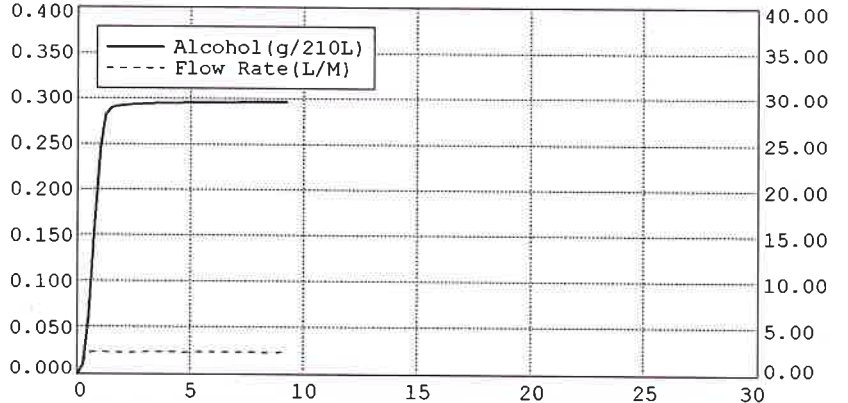
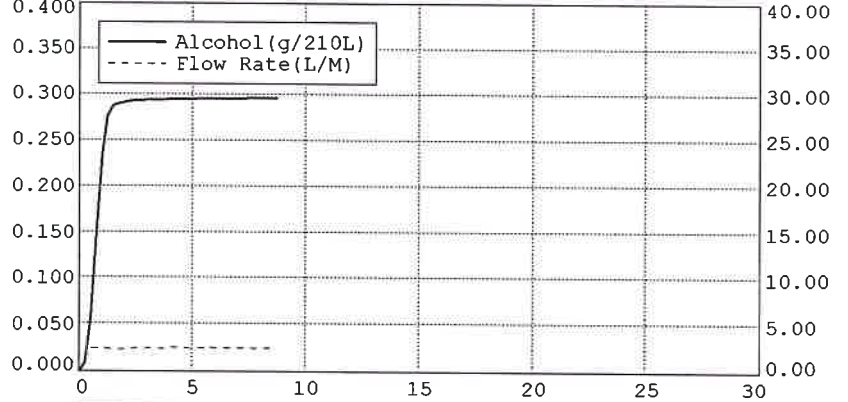
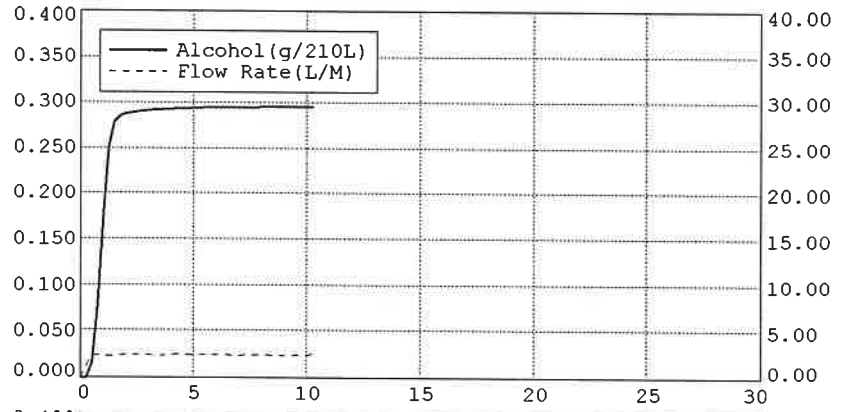
Date: 04/02/2024
Time: 10:30:54

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.26: 0.293
LOT #: AG327804
EXPIRATION: 10/05/2025
TANK PRESSURE: 206 psi

BLANK TEST	0.000	10:32
INTERNAL STANDARD	VERIFIED	10:32
EXTERNAL STANDARD	0.296	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.296	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.296	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.297	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.297	10:37
BLANK TEST	0.000	10:37

Average = 0.2964
Std Dev = 0.0005



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 04/02/2024
Time: 09:50:17

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.79 V PASSED
(1.00 V - 2.32 V)
Cooler Voltage = 1.58 V PASSED
(0.99 V - 2.31 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 523 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.6 in

PUMP INFO

Flow Rate = 4.649 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 = 0.086 2.17% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100399

Date: 04/02/2024
Time: 9:59 AM

Temperatures (°C)
Sample Cell: 48.7°C
Breath Tube: 47.9°C

Current Barometer 29.3 in
Volume (Ltr) 0.00

Settings
Lamp: 1.79 V
Bias: 81 V
Cooler: 1.58 V
Chopper: 523 Hz

Voltages (V)
Flow: 1.06 V
Detector: -0.005 V

LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100399

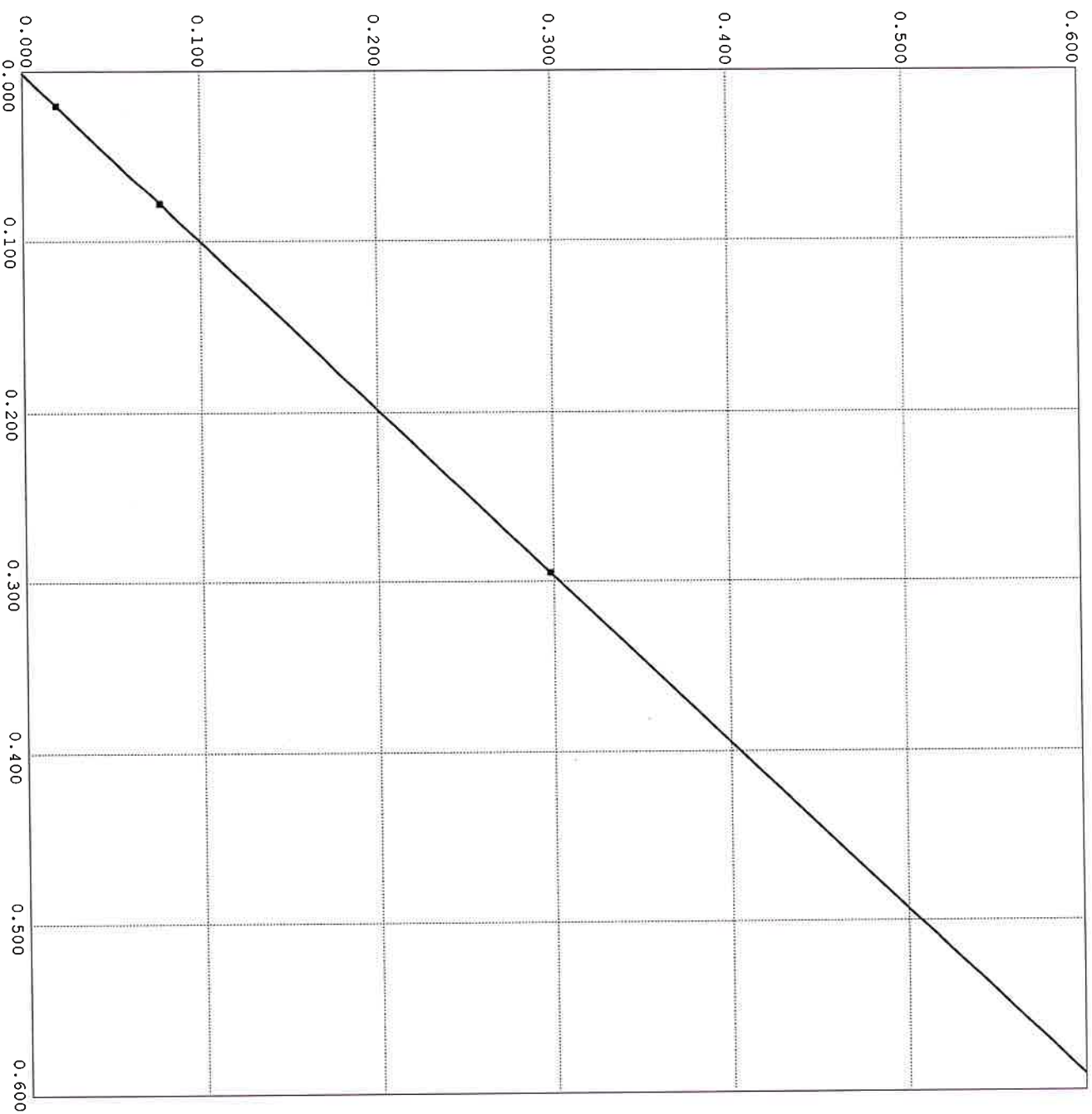
Date: 04/02/2024
Time: 10:08:05

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

TARGET	AVERAGE	STD. DEV.
0.020	0.0196	0.0005
0.078	0.0782	0.0013
0.294	0.2986	0.0005

SLOPE = 1.018827
R² = 0.999997

COB



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

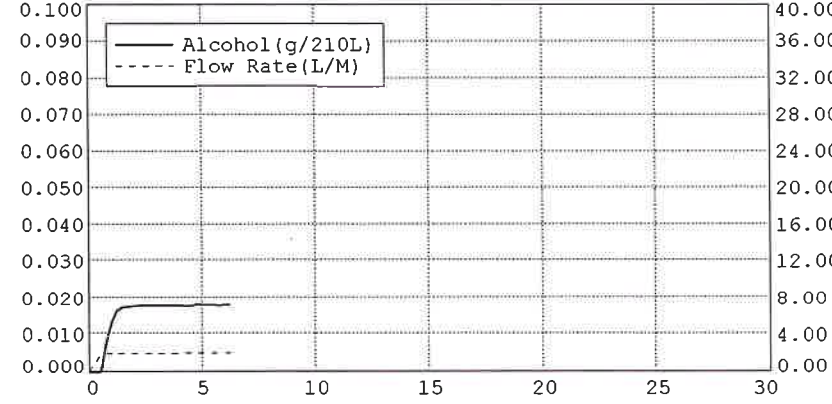
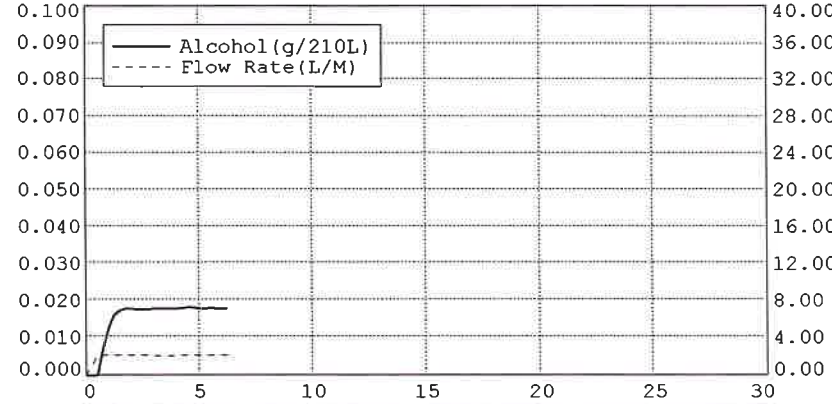
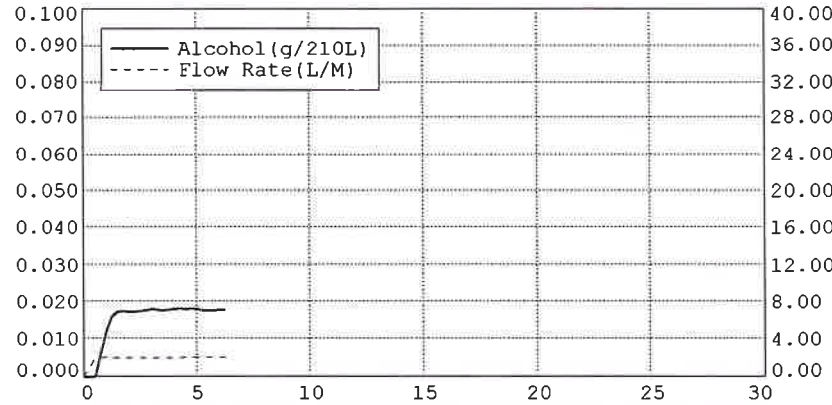
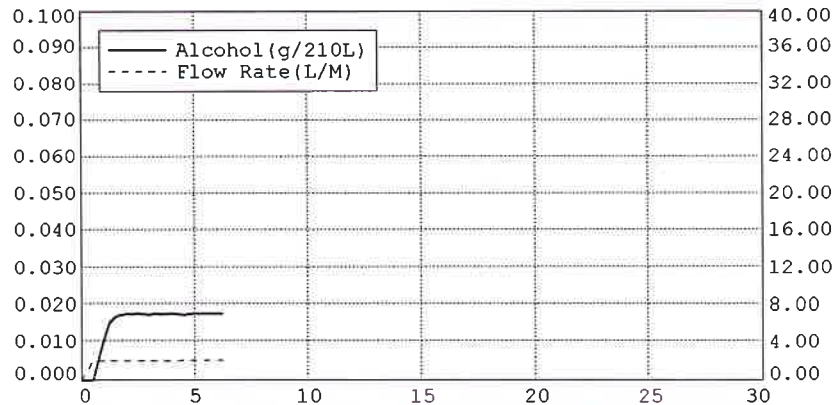
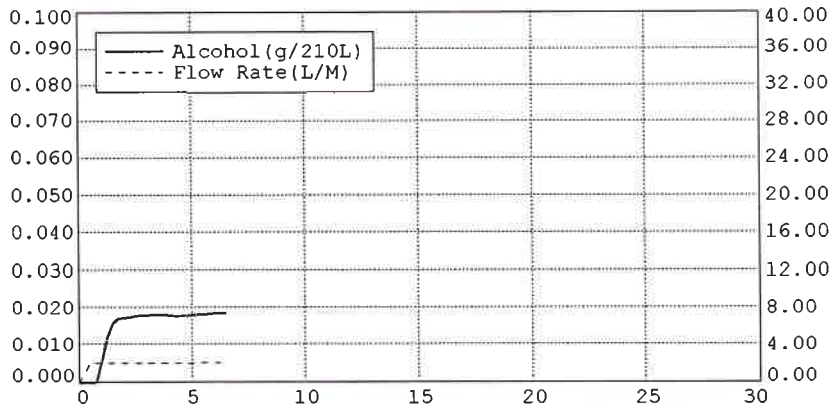
Date: 04/02/2024
 Time: 10:08:07

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.27: 0.020
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 540 psi

BLANK TEST	0.000	10:20
INTERNAL STANDARD	VERIFIED	10:21
EXTERNAL STANDARD	0.020	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.019	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.020	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.020	10:24
BLANK TEST	0.000	10:25
EXTERNAL STANDARD	0.019	10:25
BLANK TEST	0.000	10:26

Average = 0.0196
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

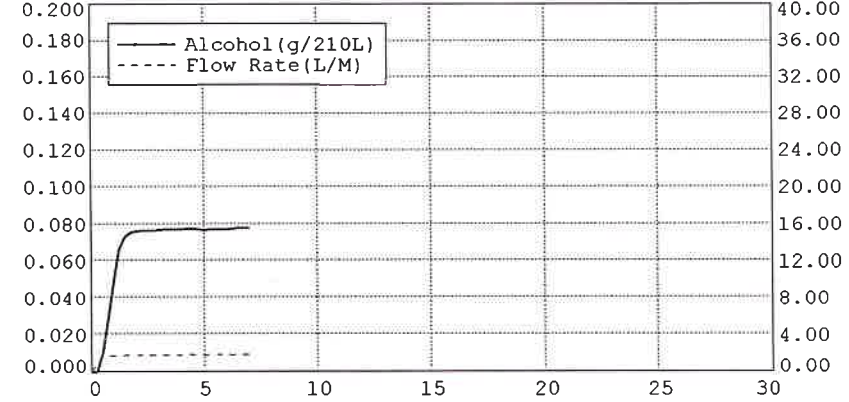
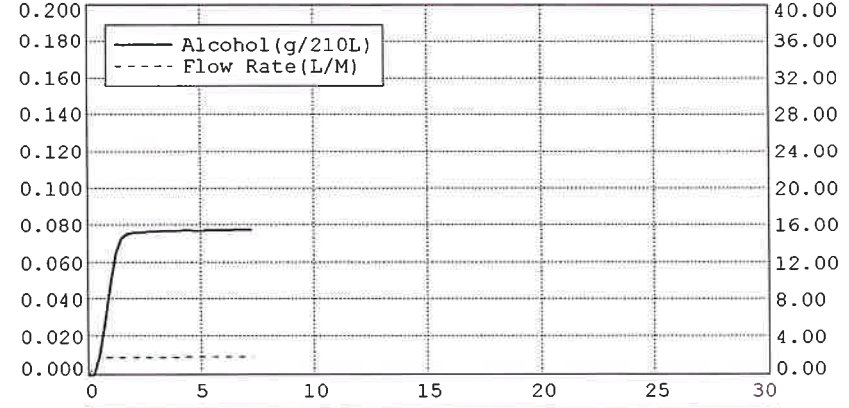
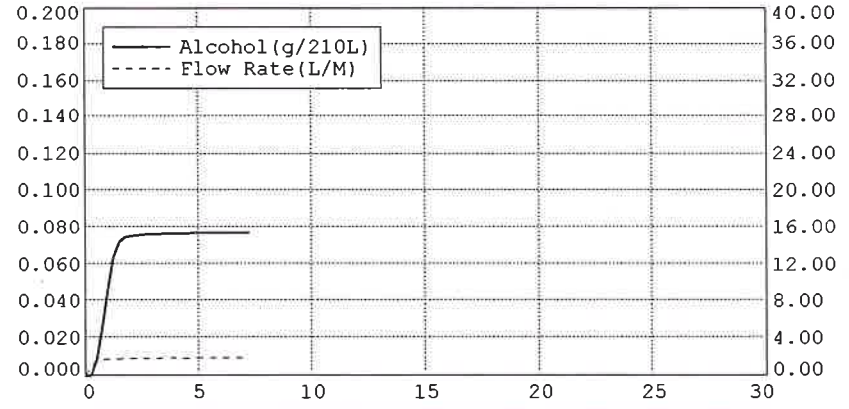
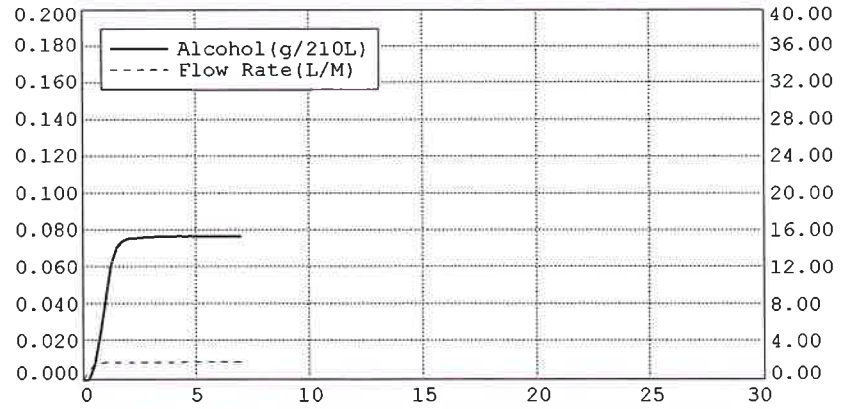
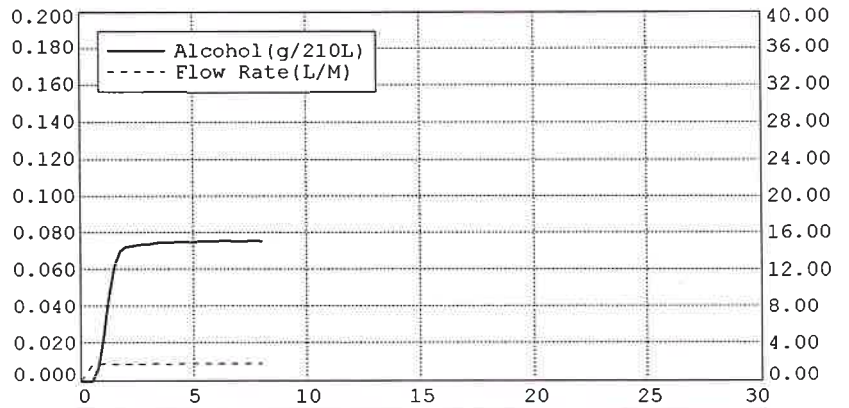
Date: 04/02/2024
 Time: 10:28:26

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.27: 0.078
 LOT #: AG310901
 EXPIRATION: 04/19/2025
 TANK PRESSURE: 246 psi

BLANK TEST	0.000	10:29
INTERNAL STANDARD	VERIFIED	10:29
EXTERNAL STANDARD	0.076	10:29
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.079	10:31
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.079	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.079	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.078	10:34
BLANK TEST	0.000	10:35

Average = 0.0782
 Std Dev = 0.0013



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 04/02/2024
Time: 10:38:05

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.28: 0.294
LOT #: AG327804
EXPIRATION: 10/05/2025
TANK PRESSURE: 185 psi

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

Average = 0.2986
Std Dev = 0.0005

