



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: 3-Oct-2024

Lot # AG427706 Model 108

Exp Date	Cyl. Type	Component	Certified Concentration
3-Oct-2026	108	Ethanol Nitrogen	0.300 ± 2% BrAC (780 ppm)

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

Digitally signed by:Quality Control
 Reason:Dry gas standard certification of analysis
 Location:Airgas USA LLC (Lab)
 Date:10.03.2024 20:34



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: 10/08/2024
 Time: 13:35:49

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 29.36: 0.294
 TANK PRESSURE: 475 psi

BLANK TEST	0.000	13:38
INTERNAL STANDARD	VERIFIED	13:38
EXTERNAL STANDARD	0.291	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.291	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.291	13:40
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.290	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.290	13:42
BLANK TEST	0.000	13:43

Average = 0.2906
 Std Dev = 0.0005

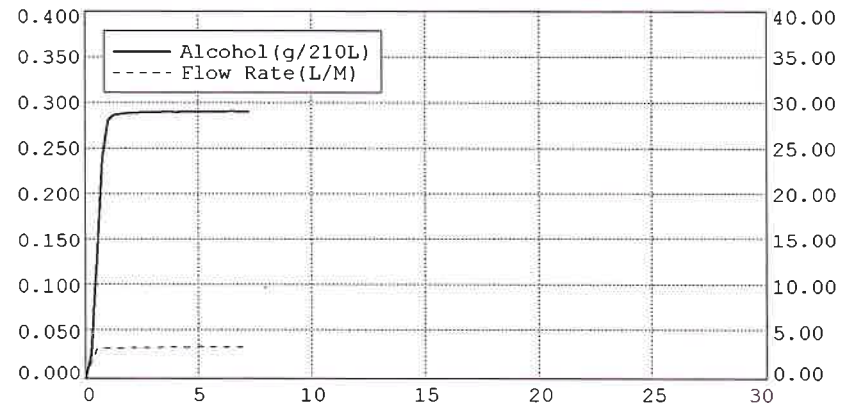
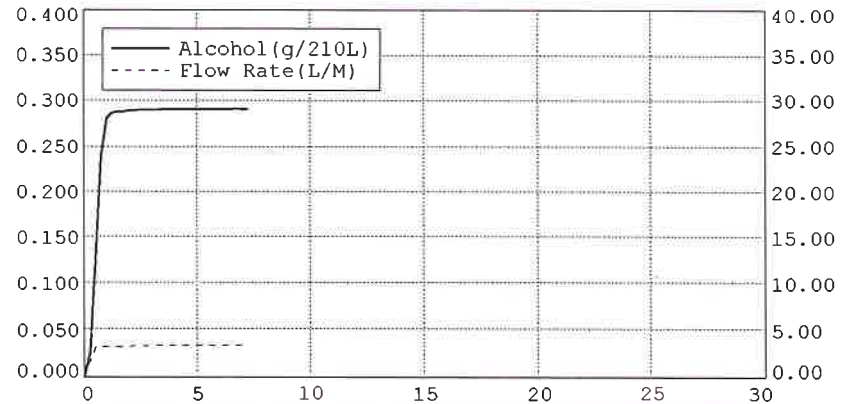
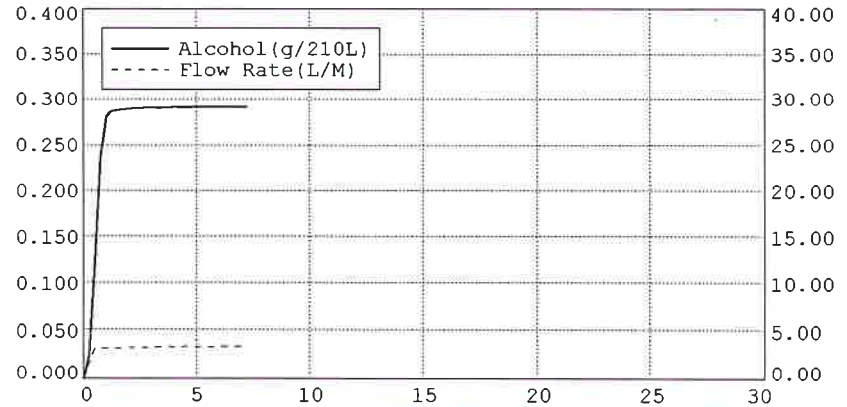
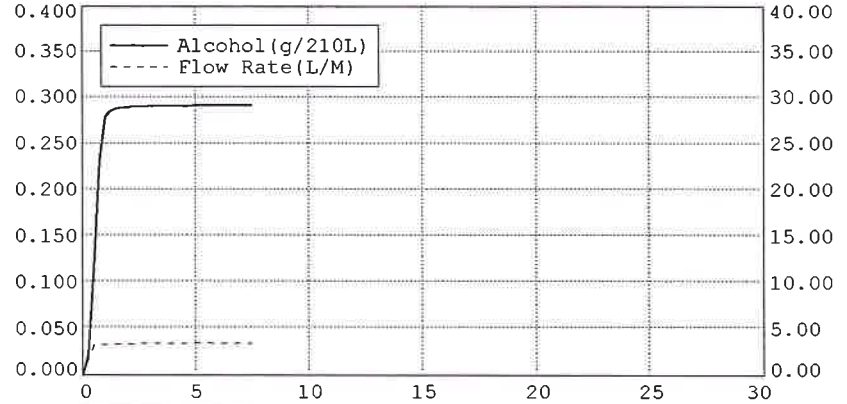
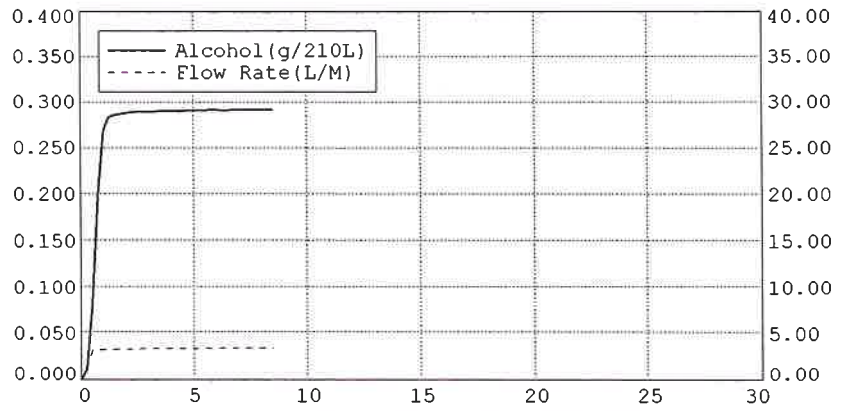
AGY27706 Exp 10/3/2026

Tank 001

KS 10/8/24

0.2906
 0.2936
 0.2914

0.292 Ave



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 10/08/2024
Time: 13:36:04

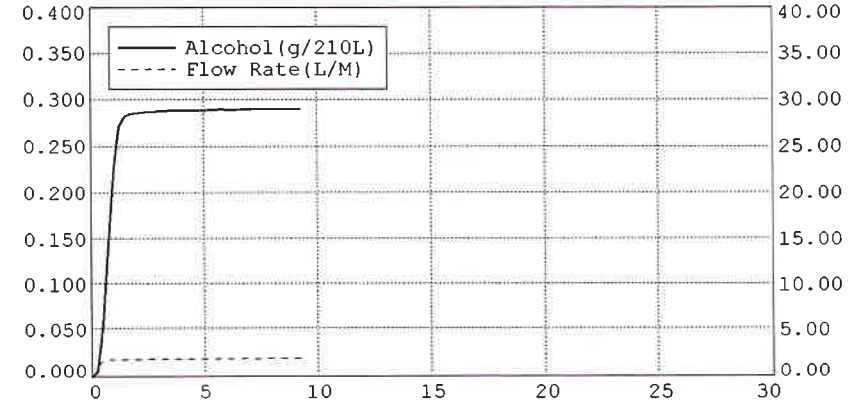
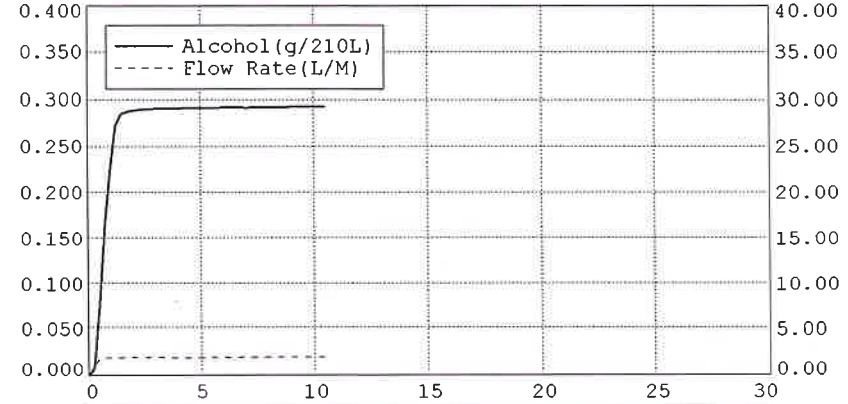
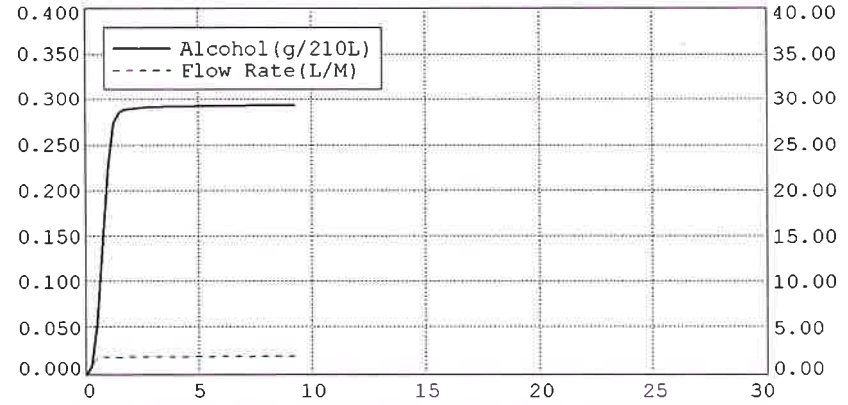
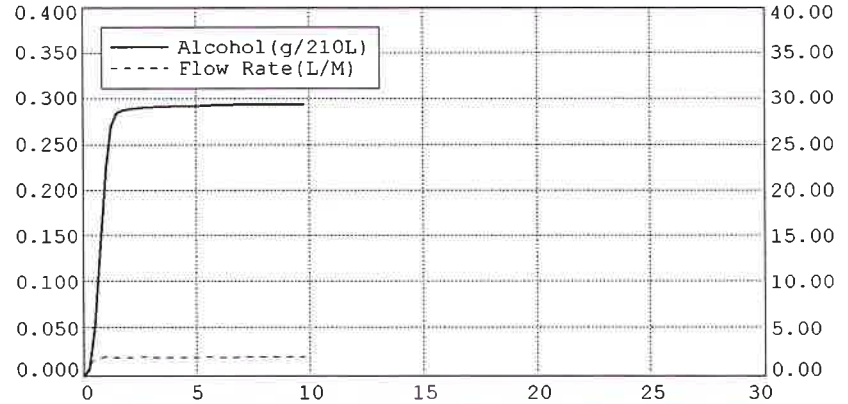
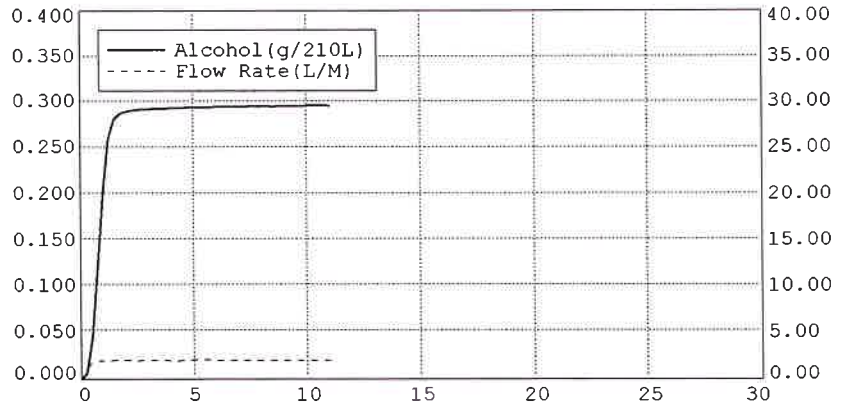
SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.35: 0.294
TANK PRESSURE: 418 psi

BLANK TEST	0.000	13:38
INTERNAL STANDARD	VERIFIED	13:38
EXTERNAL STANDARD	0.296	13:38
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.294	13:40
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.294	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.293	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.291	13:43
BLANK TEST	0.000	13:44

Average = 0.2936
Std Dev = 0.0018

AG427706 EXP 10/3/26
Tank 901
KS 10/8/24



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 10/08/2024
Time: 13:18:27

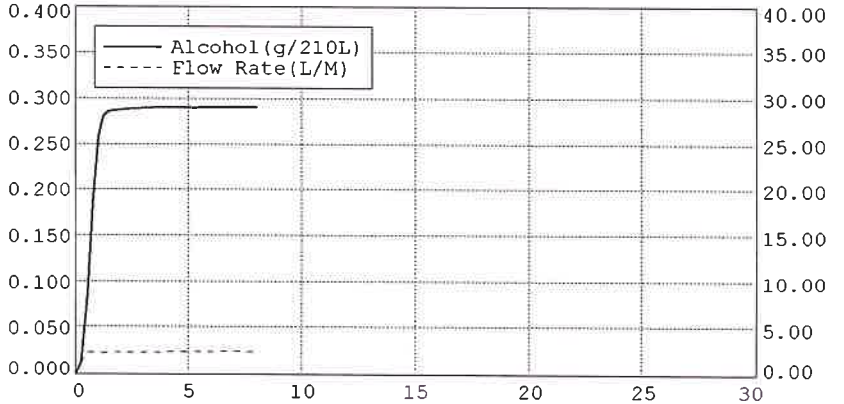
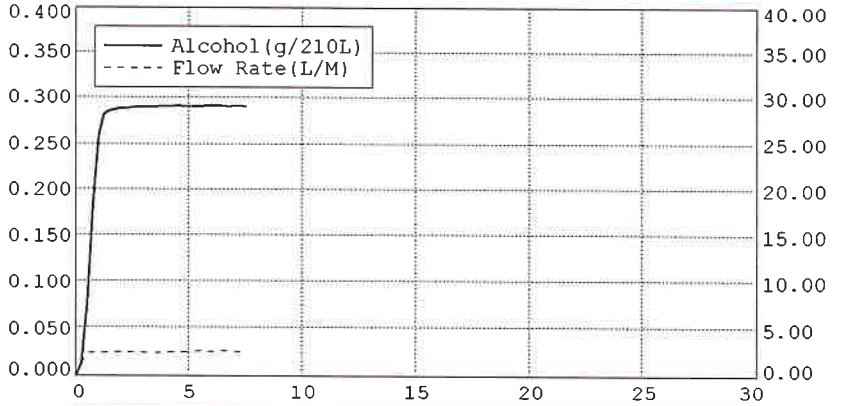
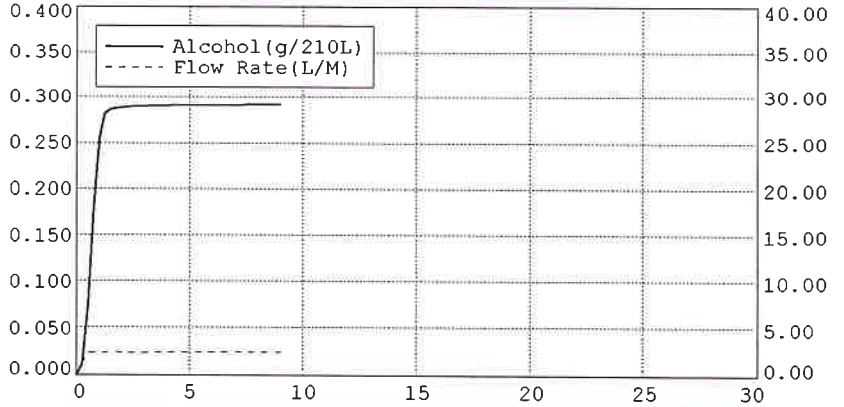
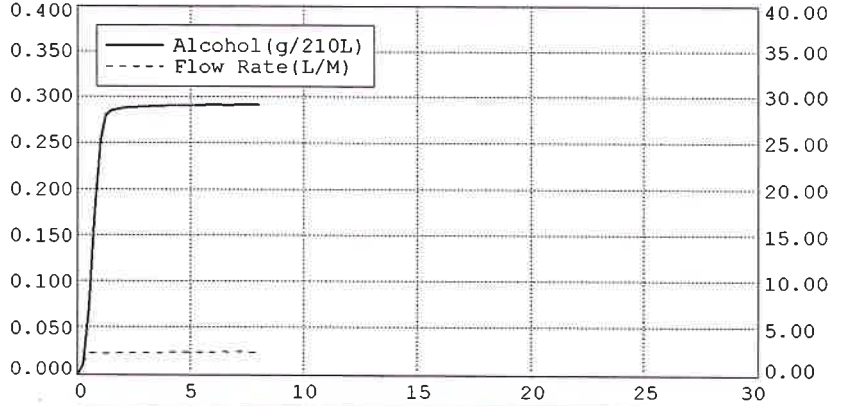
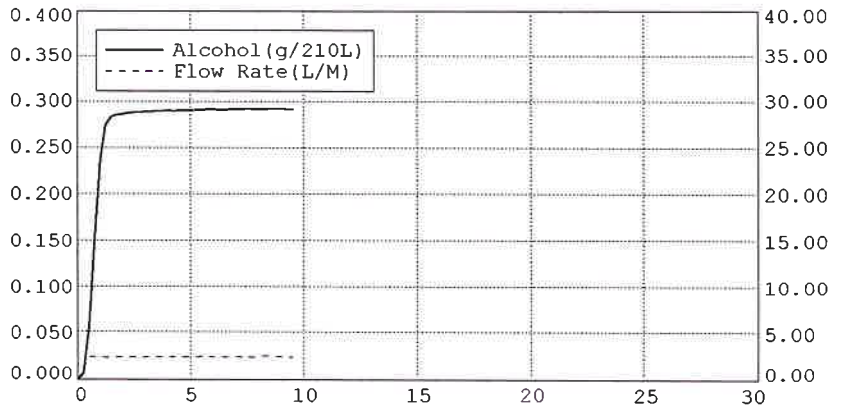
SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 28.86: 0.289
TANK PRESSURE: 434 psi

BLANK TEST	0.000	13:20
INTERNAL STANDARD	VERIFIED	13:20
EXTERNAL STANDARD	0.292	13:21
BLANK TEST	0.000	13:21
EXTERNAL STANDARD	0.291	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.291	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.291	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.292	13:25
BLANK TEST	0.000	13:26

Average = 0.2914
Std Dev = 0.0005

AG1427766 Exp 10/3/2026
Tank 001
KS 10/8/24



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 10/08/2024
Time: 13:47:46

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.36: 0.294
TANK PRESSURE: 472 psi

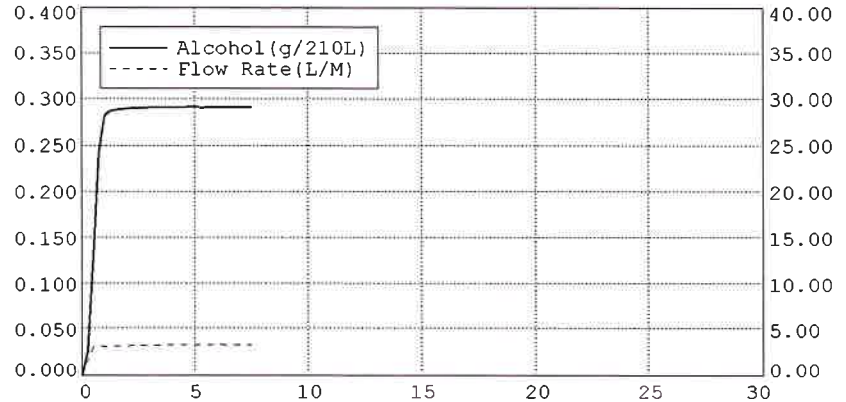
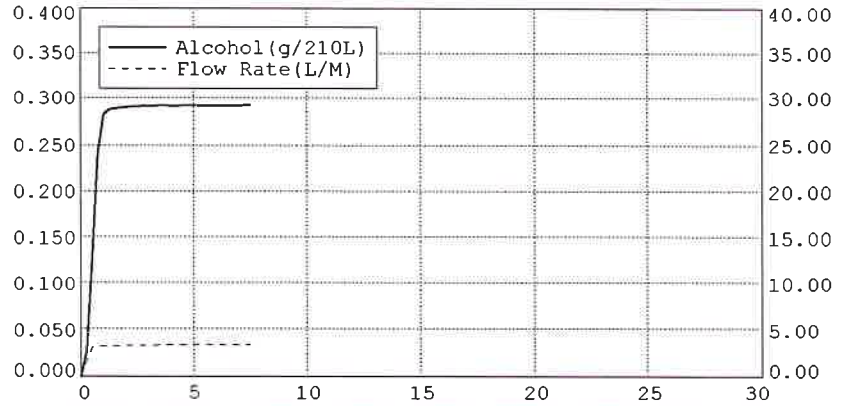
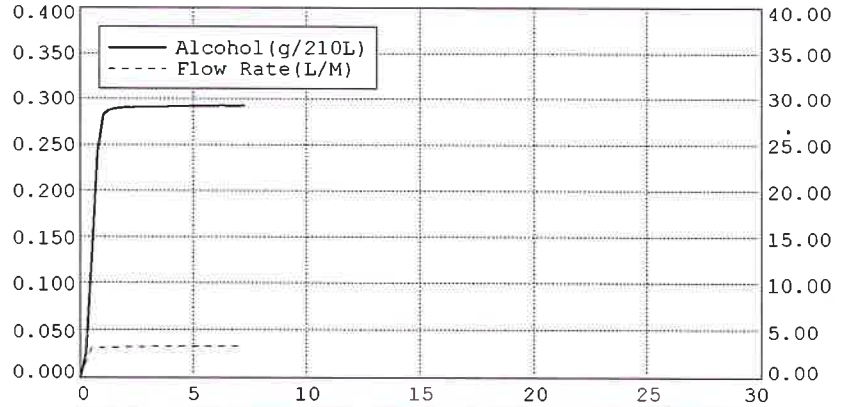
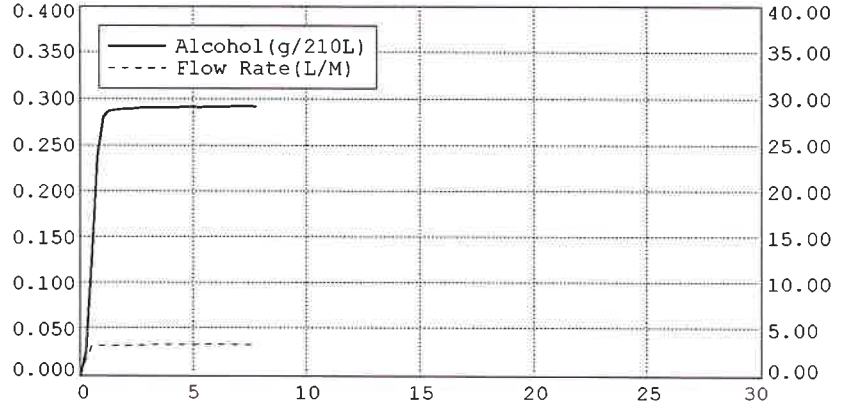
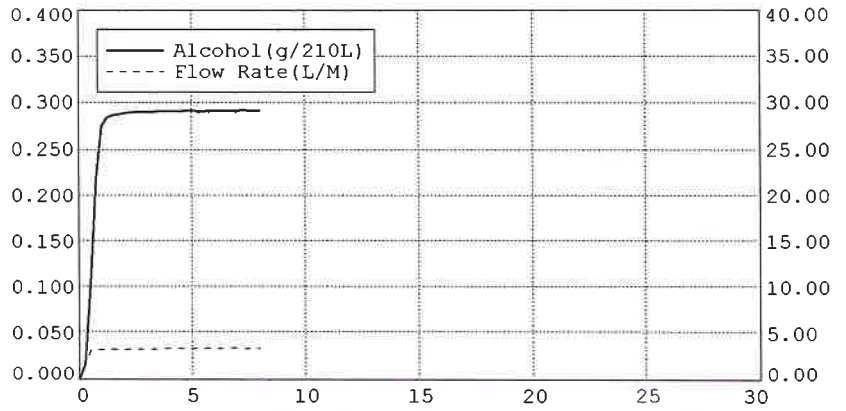
BLANK TEST	0.000	13:49
INTERNAL STANDARD	VERIFIED	13:50
EXTERNAL STANDARD	0.292	13:50
BLANK TEST	0.000	13:51
EXTERNAL STANDARD	0.292	13:51
BLANK TEST	0.000	13:52
EXTERNAL STANDARD	0.292	13:52
BLANK TEST	0.000	13:53
EXTERNAL STANDARD	0.292	13:53
BLANK TEST	0.000	13:54
EXTERNAL STANDARD	0.292	13:54
BLANK TEST	0.000	13:55

Average = 0.2920
Std Dev = 0.0000

AG427706 Exp 10/3/2026
Tank 002
KS 10/8/24

0.2920
0.2950
0.2918

0.293 AVE



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 10/08/2024
 Time: 13:24:17

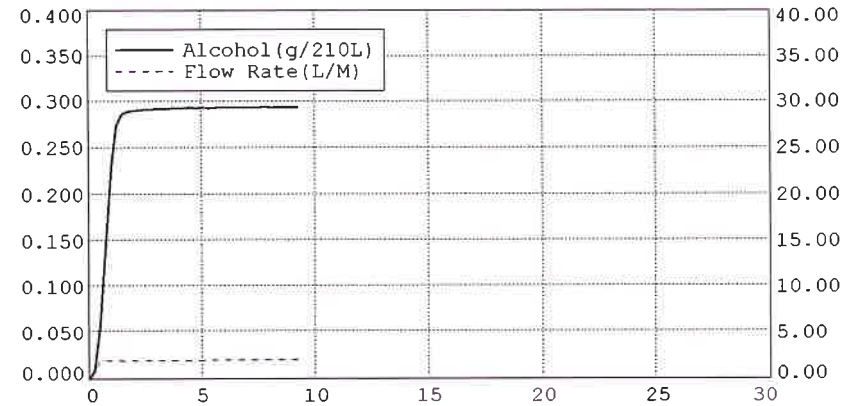
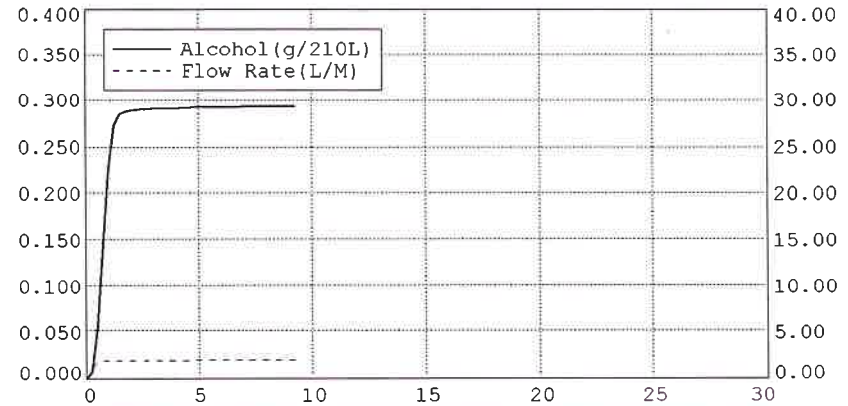
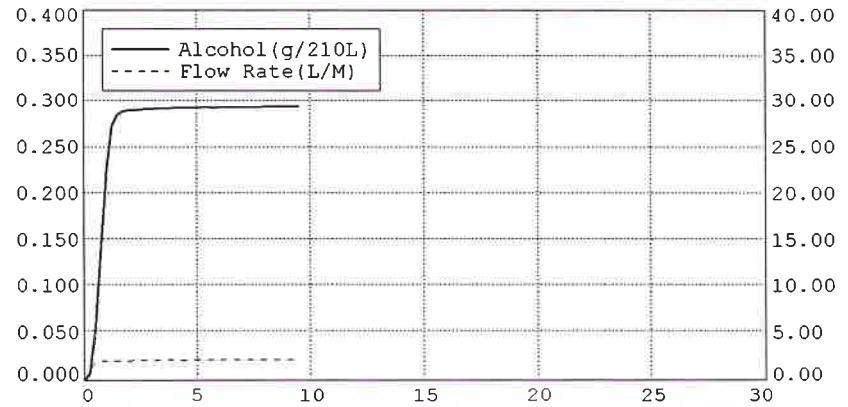
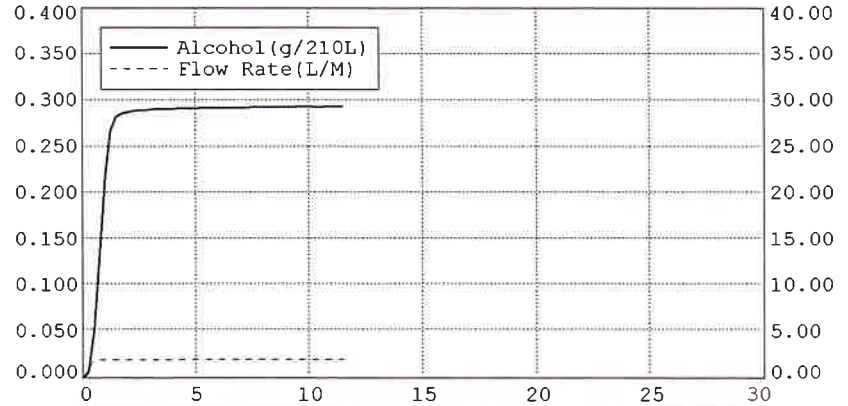
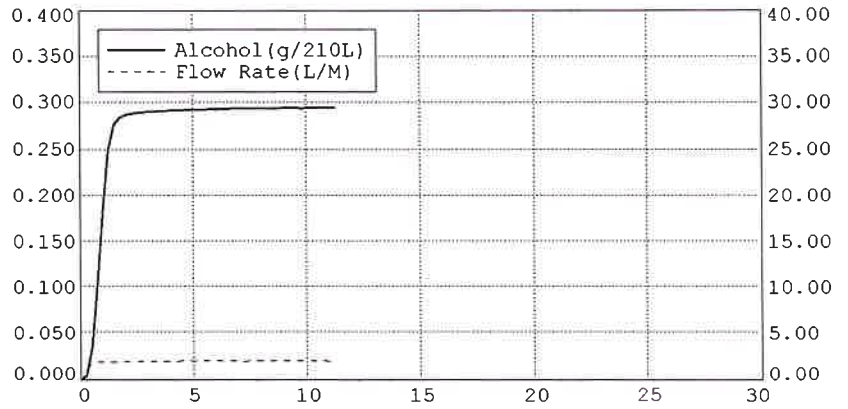
SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 29.36: 0.294
 TANK PRESSURE: 437 psi

BLANK TEST	0.000	13:26
INTERNAL STANDARD	VERIFIED	13:26
EXTERNAL STANDARD	0.296	13:27
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.295	13:28
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.295	13:29
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.295	13:30
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.294	13:32
BLANK TEST	0.000	13:32

Average = 0.2950
 Std Dev = 0.0007

AG427706 Exp 10/3/2026
 Tank 002
 KS 10/8/24



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 10/08/2024
Time: 13:08:30

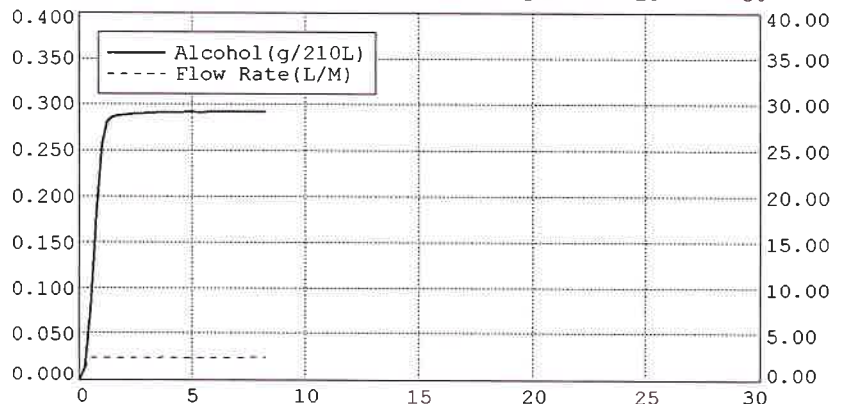
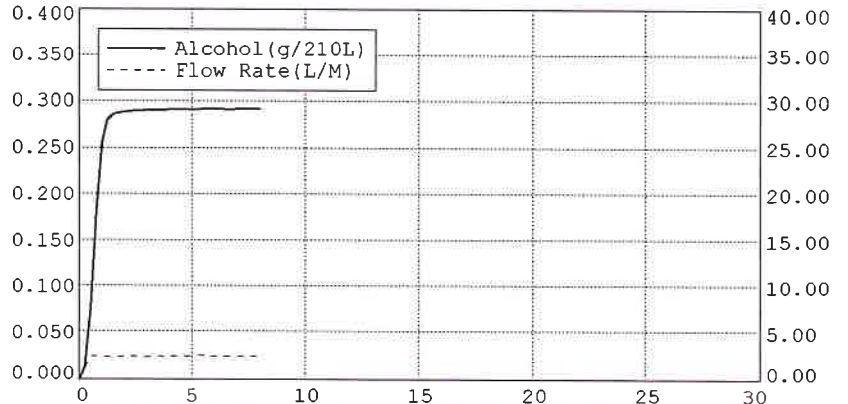
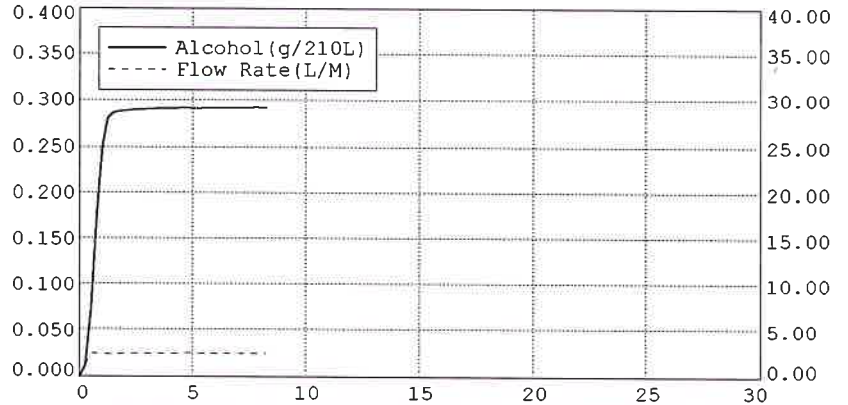
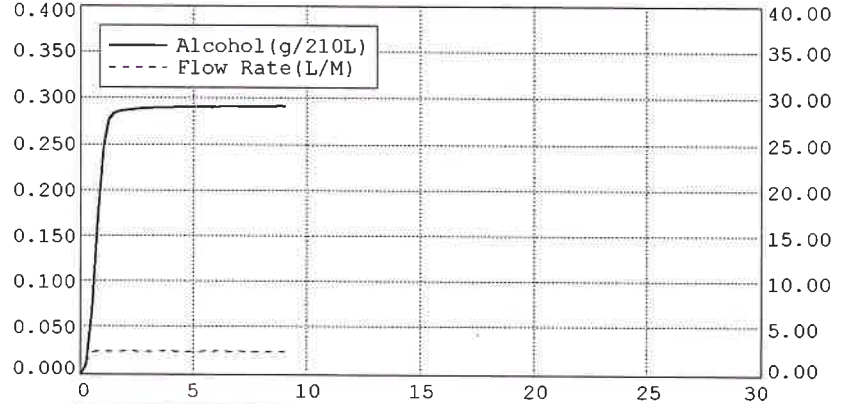
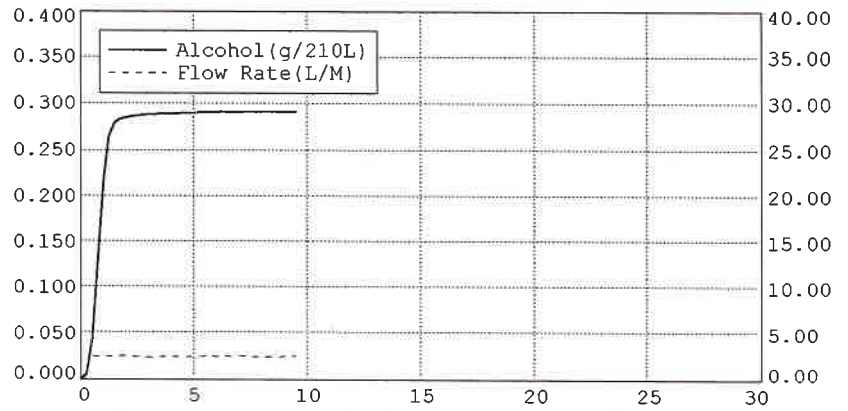
SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 28.86: 0.289
TANK PRESSURE: 479 psi

BLANK TEST	0.000	13:09
INTERNAL STANDARD	VERIFIED	13:10
EXTERNAL STANDARD	0.291	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.292	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.292	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.292	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.292	13:14
BLANK TEST	0.000	13:15

Average = 0.2918
Std Dev = 0.0004

AG1427706 EXP 10/3/2026
Tank 002
KS 10/8/24



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 10/08/2024
 Time: 13:58:09

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 29.36: 0.294
 TANK PRESSURE: 476 psi

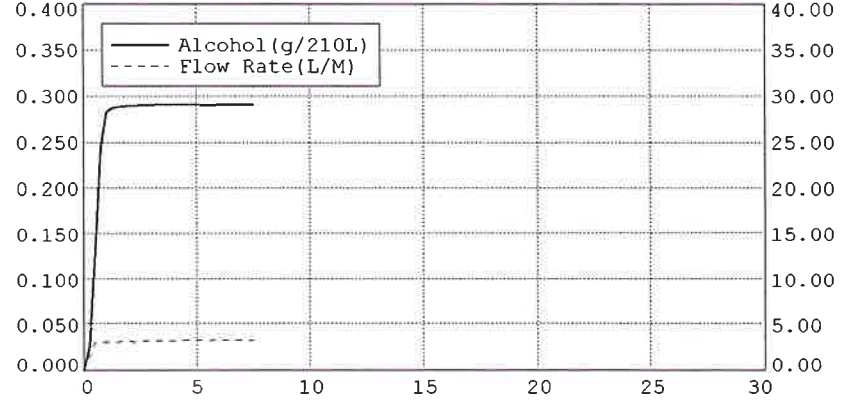
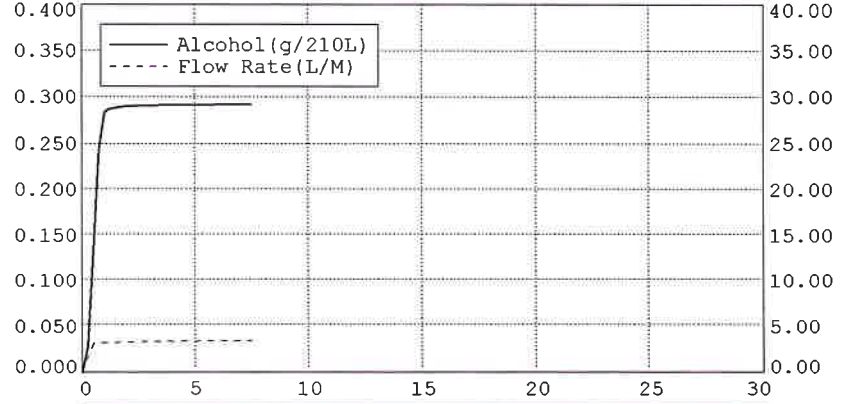
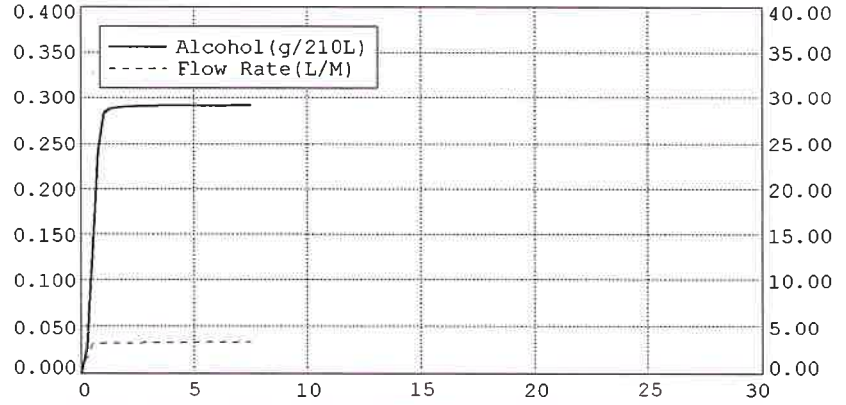
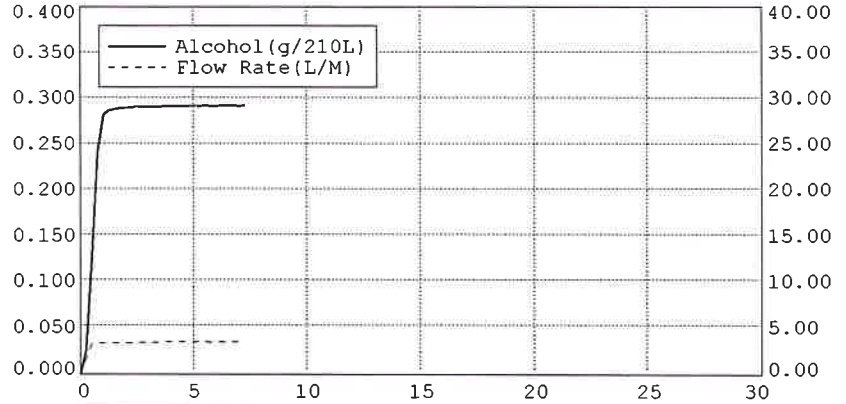
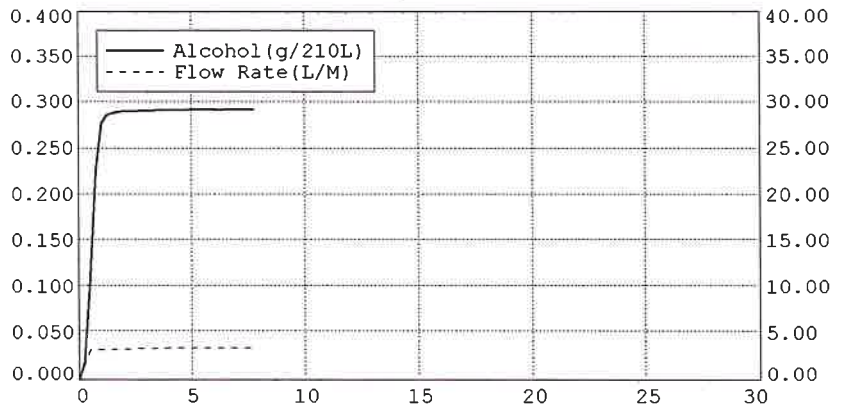
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INTERNAL STANDARD	VERIFIED	14:00
EXTERNAL STANDARD	0.292	14:00
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.292	14:01
BLANK TEST	0.000	14:02
EXTERNAL STANDARD	0.292	14:02
BLANK TEST	0.000	14:03
EXTERNAL STANDARD	0.292	14:03
BLANK TEST	0.000	14:04
EXTERNAL STANDARD	0.292	14:05
BLANK TEST	0.000	14:05

Average = 0.2920
 Std Dev = 0.0000

AG427706 Exp 10/3/2026
 KS 10/8/24
 Tank 003

0.2920
 0.2936
 0.2914

 0.292 Ave



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 10/08/2024
 Time: 13:05:48

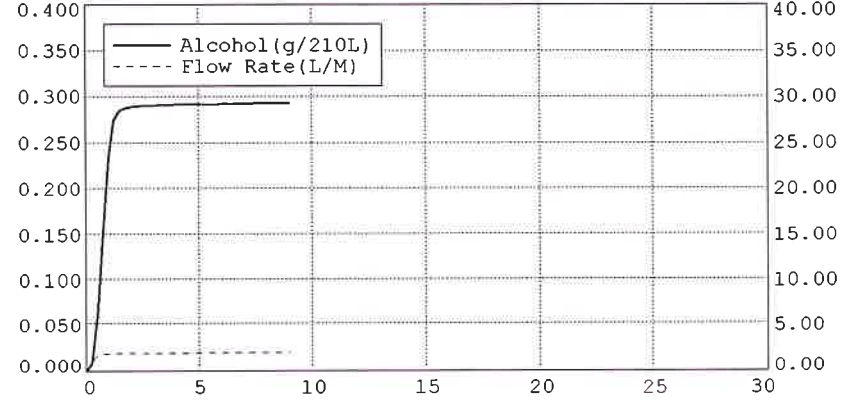
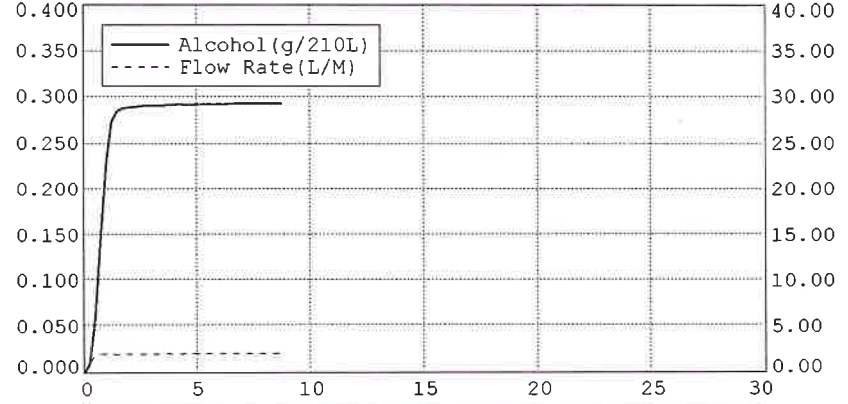
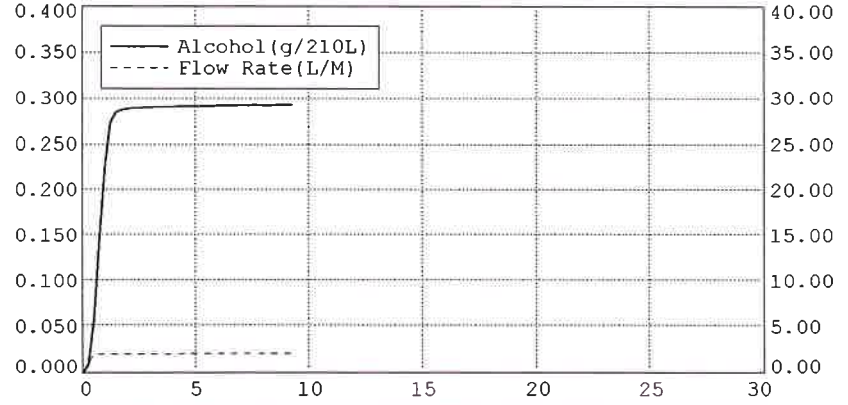
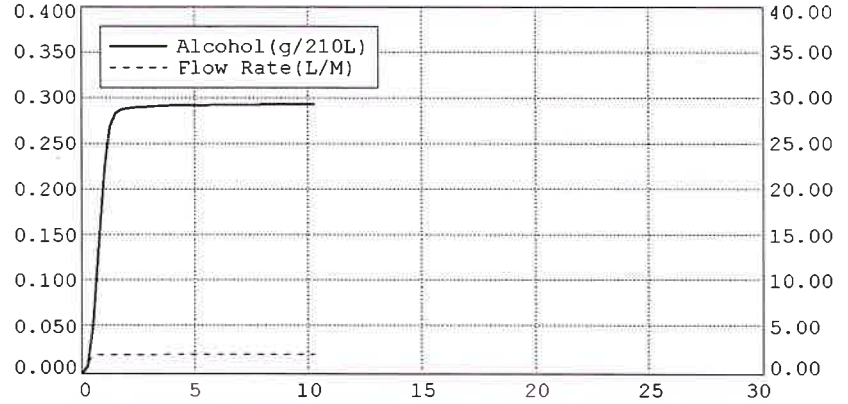
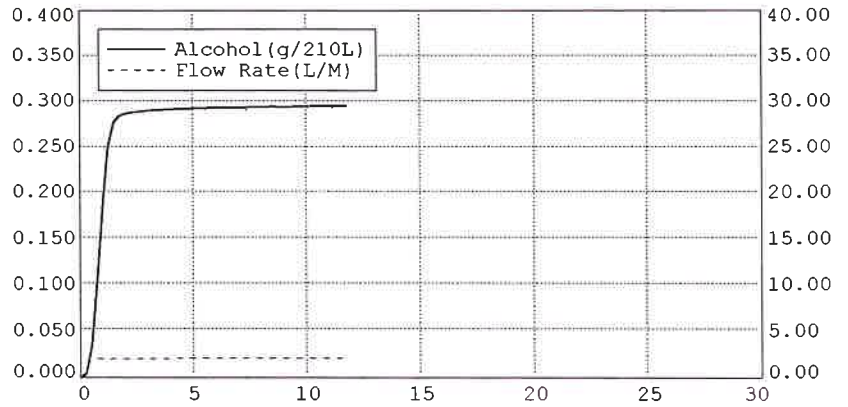
SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 TARGET AT 29.36: 0.294
 TANK PRESSURE: 487 psi

BLANK TEST	0.000	13:07
INTERNAL STANDARD	VERIFIED	13:07
EXTERNAL STANDARD	0.295	13:08
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.293	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.293	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.293	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.294	13:12
BLANK TEST	0.000	13:13

Average = 0.2936
 Std Dev = 0.0009

AG427706 Exp 10/3/2026
 Tank 003
 KS 10/8/24



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 10/08/2024
Time: 13:37:12

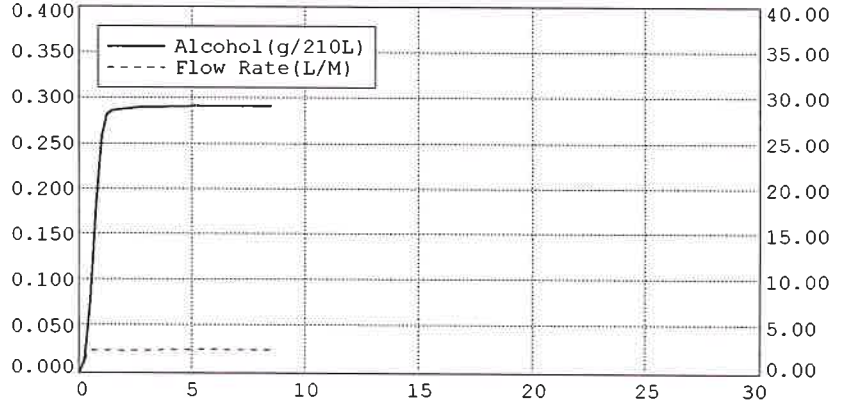
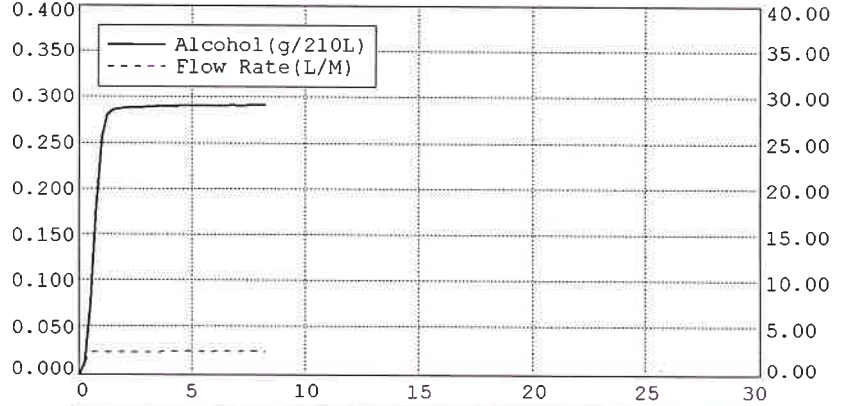
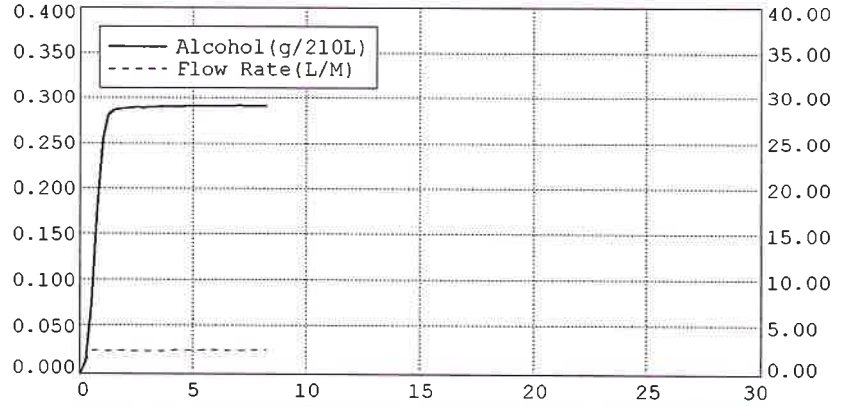
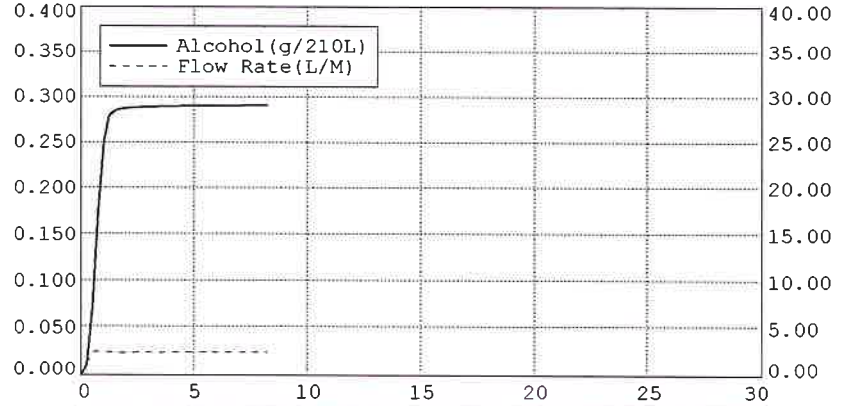
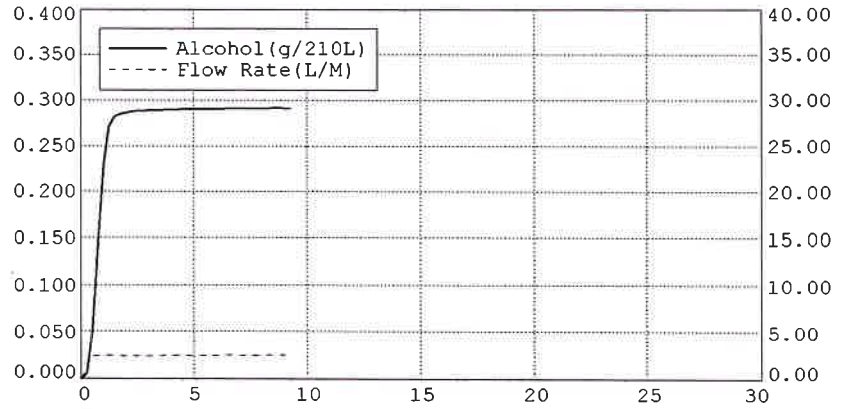
SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 28.86: 0.289
TANK PRESSURE: 434 psi

BLANK TEST	0.000	13:39
INTERNAL STANDARD	VERIFIED	13:39
EXTERNAL STANDARD	0.292	13:39
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.291	13:41
BLANK TEST	0.000	13:42
EXTERNAL STANDARD	0.291	13:42
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.291	13:43
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.292	13:44
BLANK TEST	0.000	13:45

Average = 0.2914
Std Dev = 0.0005

AG 427706 Exp 10/3/2026
KS 10/8/24
Tank 003



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 10/08/2024
Time: 11:48:47

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

TEMPERATURES

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

SETTINGS

Lamp Voltage = 1.79 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 = 525 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.9 in

PUMP INFO

Flow Rate = 4.565 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 = 0.084 0.52% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100399

Date: 10/08/2024
Time: 12:17 PM

Temperatures (°C)

Sample Cell: 48.7°C
Breath Tube: 47.9°C

Current Barometer 29.4 in
Volume (Ltr) 0.00

S/N
230307229
EXP 5/2/25
KS 10/8/24

Settings

Lamp: 1.82 V
Bias: 81 V
Cooler: 1.58 V
Chopper: 524 Hz

Voltages (V)

Flow: 1.06 V
Detector: -0.081 V

LINEARITY CHECK

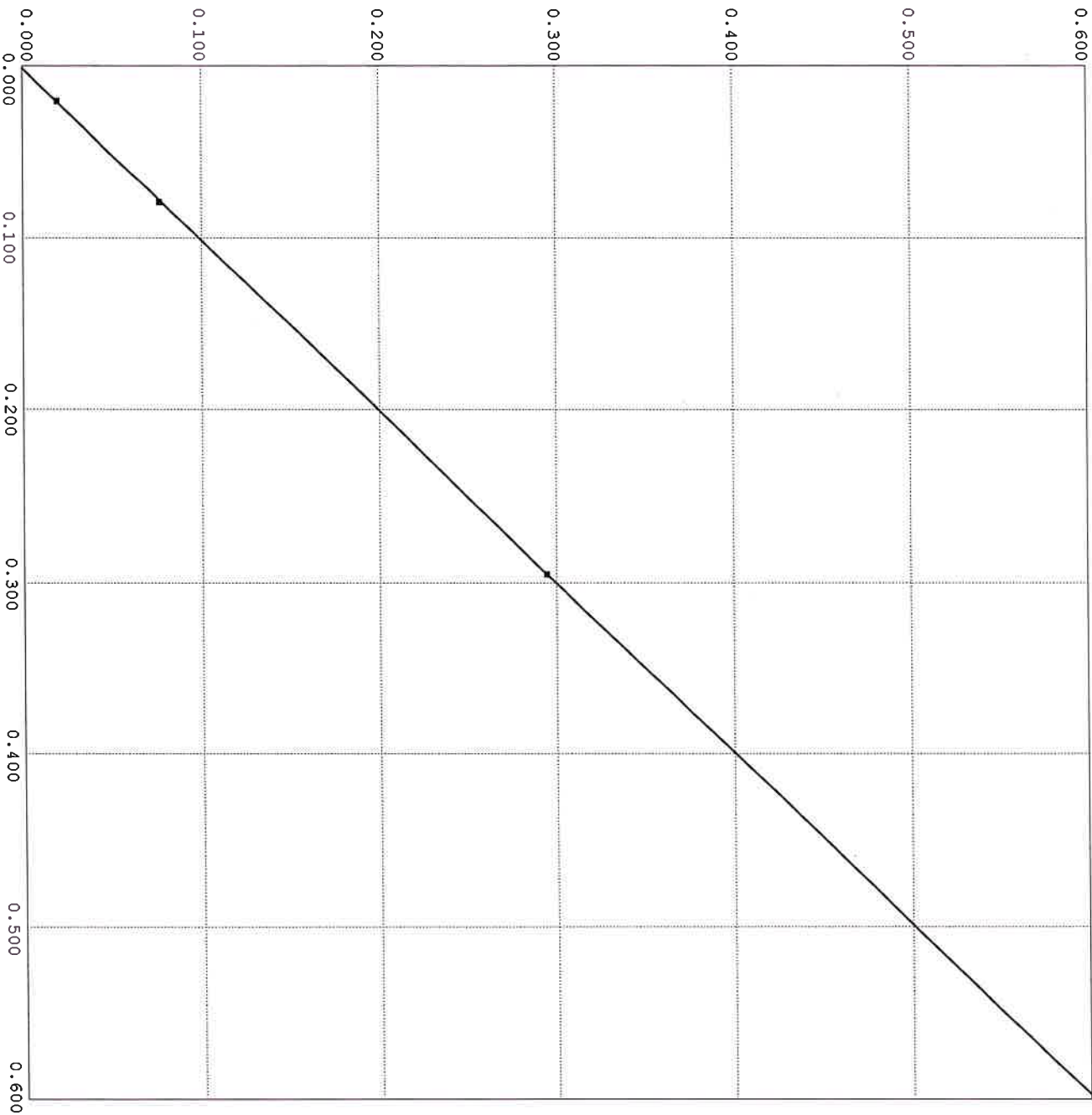
Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 10/08/2024
Time: 12:25:46

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.079	0.0774	0.0005
0.294	0.2952	0.0004

SLOPE = 1.006703
R² = 0.999951



KS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

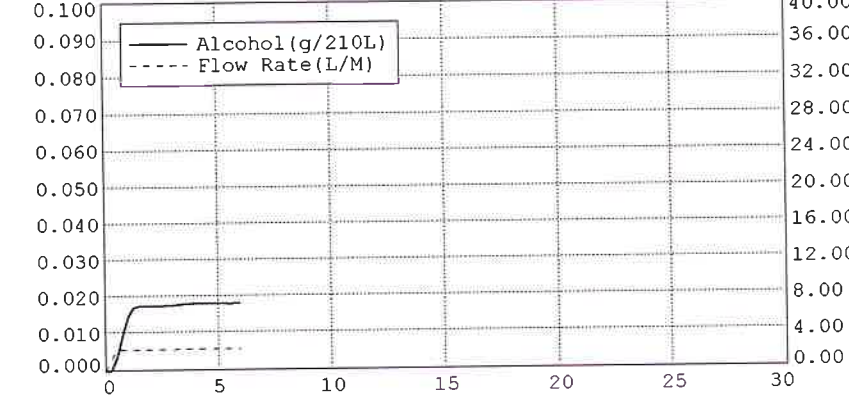
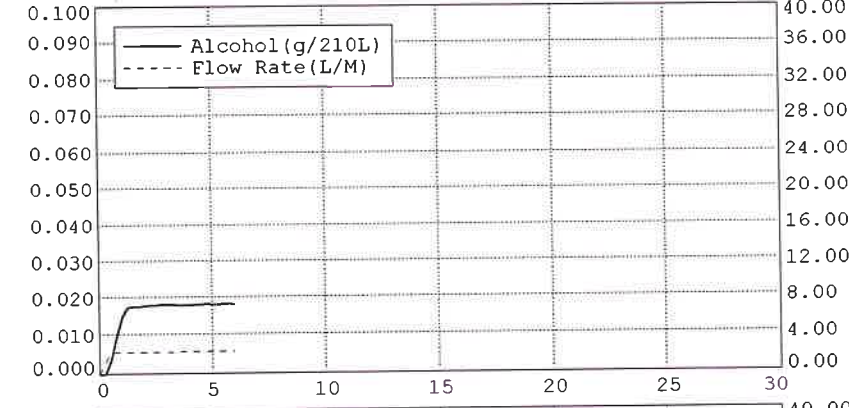
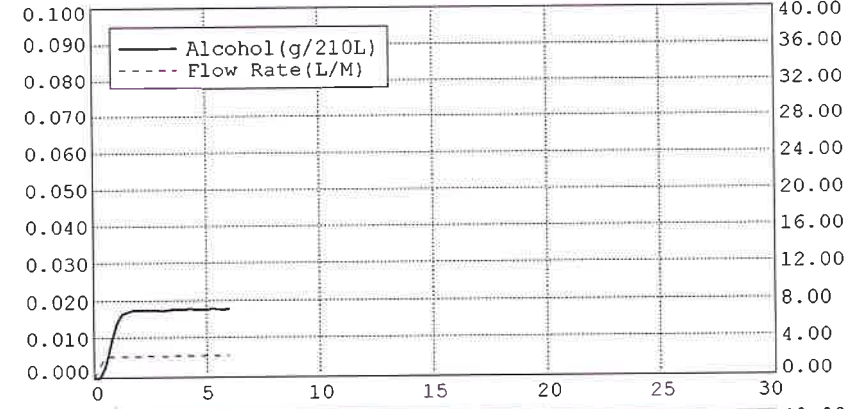
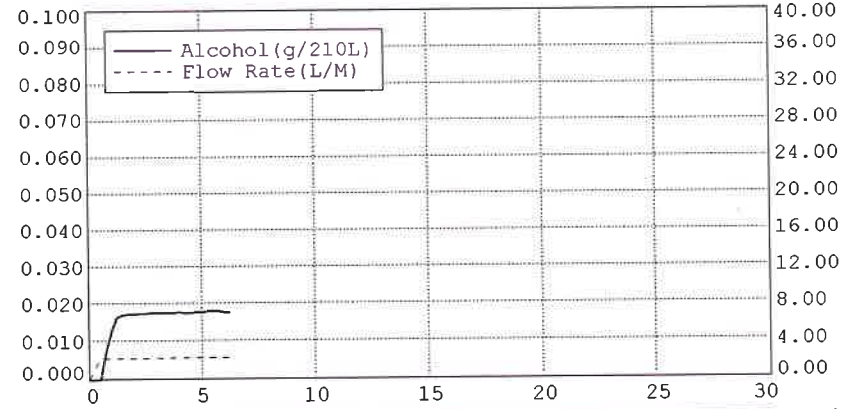
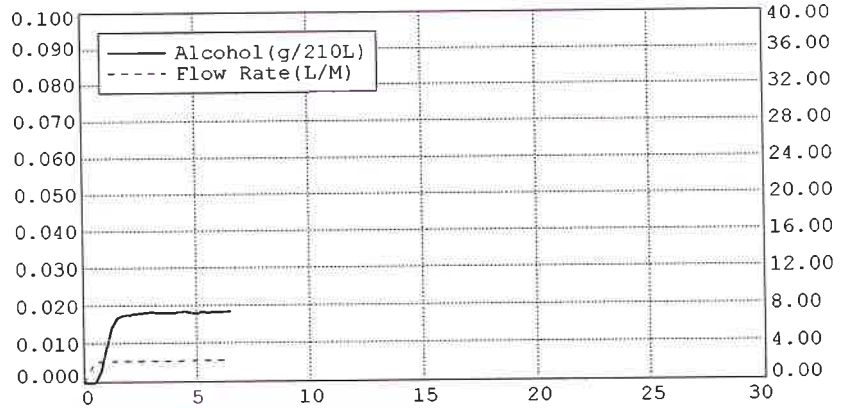
Date: 10/08/2024
 Time: 12:25:48

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.36: 0.020
 LOT #: AG408002
 EXPIRATION: 03/20/2026
 TANK PRESSURE: 876 psi

BLANK TEST	0.000	12:27
INTERNAL STANDARD	VERIFIED	12:27
EXTERNAL STANDARD	0.020	12:28
BLANK TEST	0.000	12:29
EXTERNAL STANDARD	0.020	12:29
BLANK TEST	0.000	12:30
EXTERNAL STANDARD	0.020	12:30
BLANK TEST	0.000	12:31
EXTERNAL STANDARD	0.020	12:31
BLANK TEST	0.000	12:32
EXTERNAL STANDARD	0.020	12:32
BLANK TEST	0.000	12:33

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100399

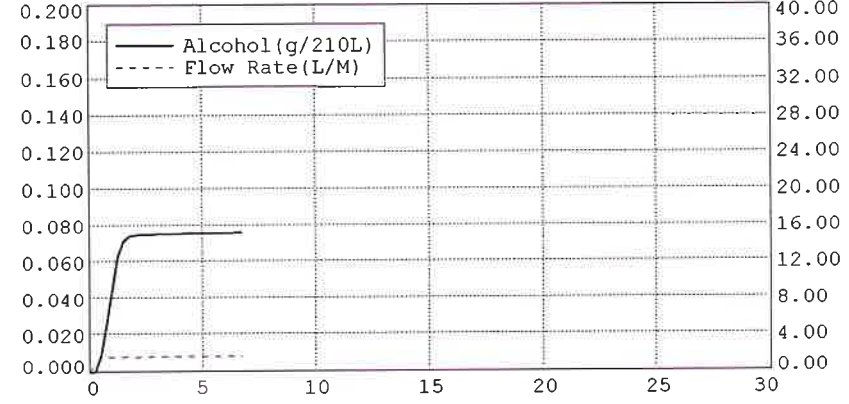
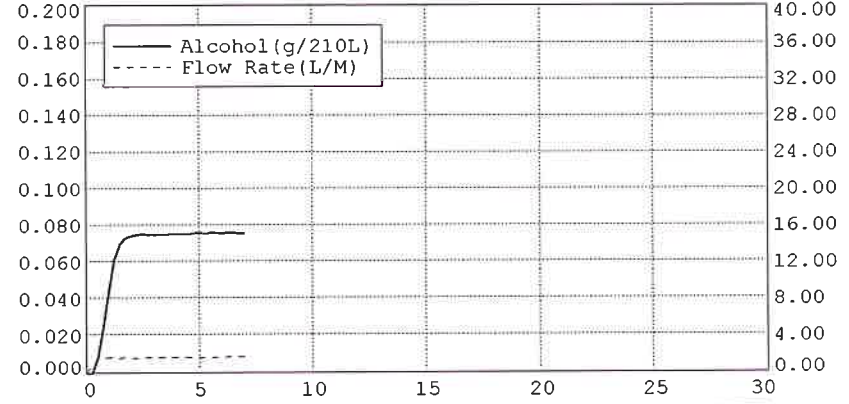
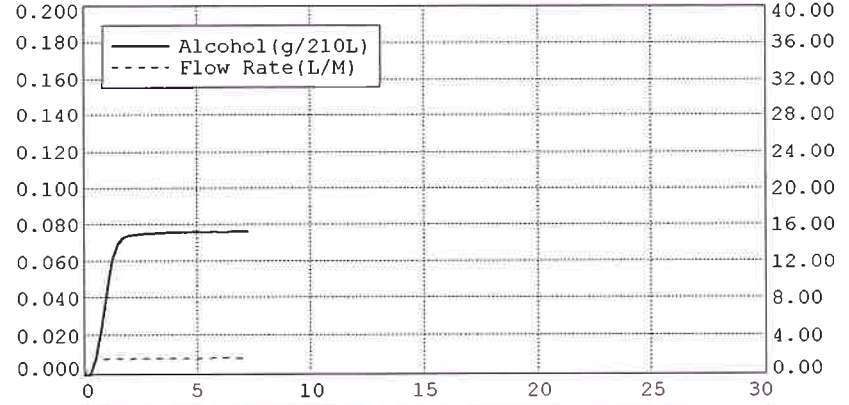
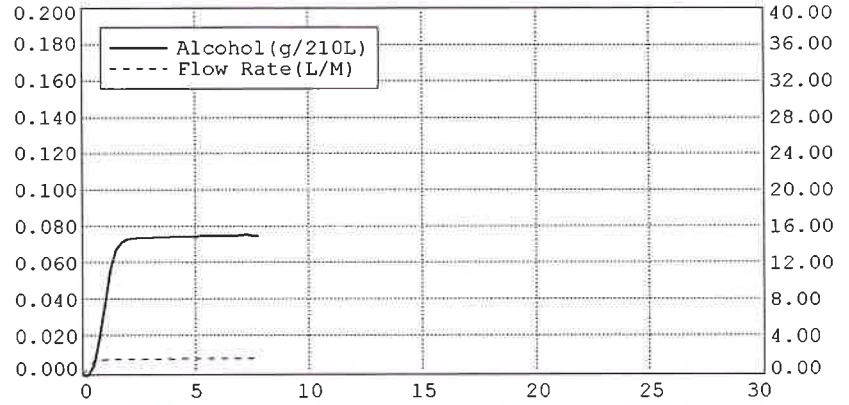
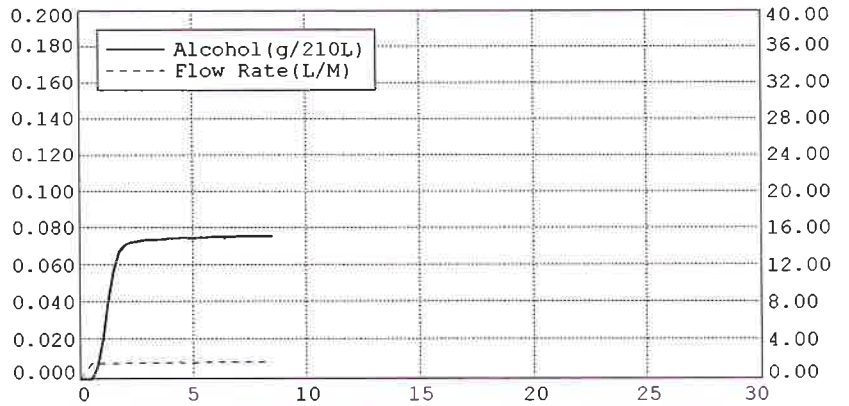
Date: 10/08/2024
Time: 12:35:44

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.36: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 161 psi

BLANK TEST	0.000	12:37
INTERNAL STANDARD	VERIFIED	12:37
EXTERNAL STANDARD	0.077	12:37
BLANK TEST	0.000	12:38
EXTERNAL STANDARD	0.077	12:38
BLANK TEST	0.000	12:39
EXTERNAL STANDARD	0.078	12:39
BLANK TEST	0.000	12:40
EXTERNAL STANDARD	0.077	12:40
BLANK TEST	0.000	12:41
EXTERNAL STANDARD	0.078	12:41
BLANK TEST	0.000	12:42

Average = 0.0774
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100399

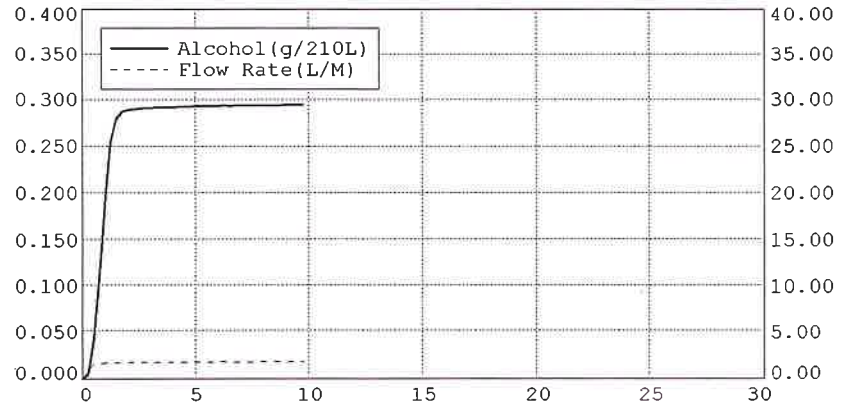
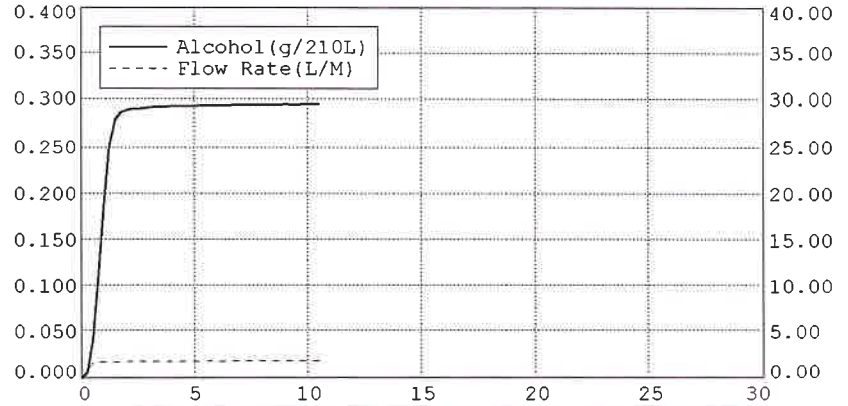
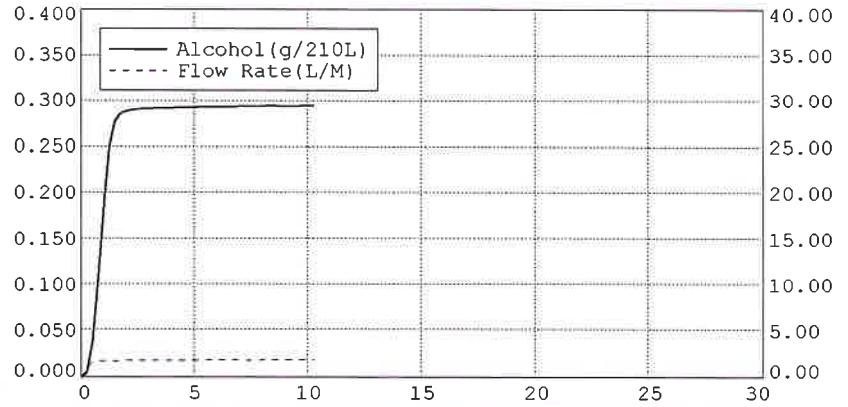
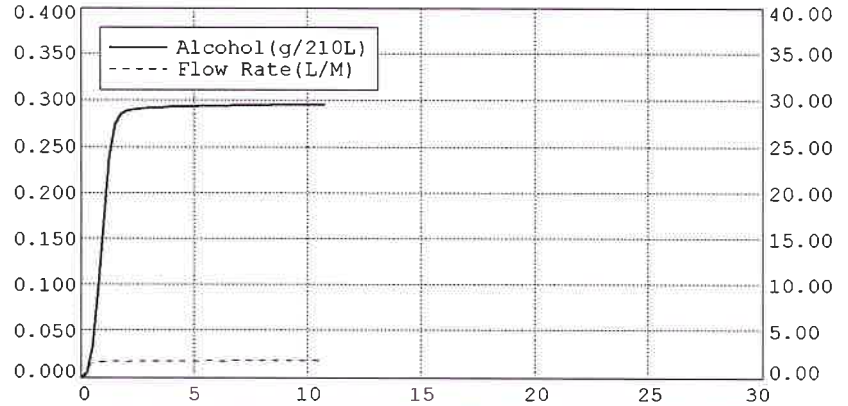
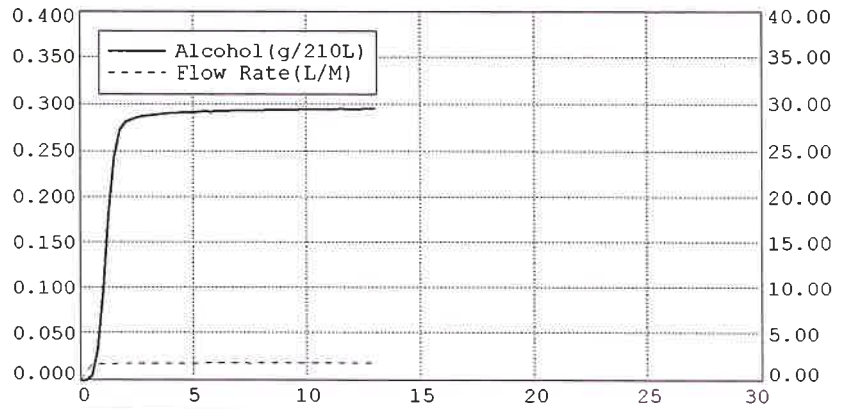
Date: 10/08/2024
Time: 12:46:19

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.36: 0.294
LOT #: AG327804
EXPIRATION: 10/05/2025
TANK PRESSURE: 221 psi

BLANK TEST	0.000	12:53
INTERNAL STANDARD	VERIFIED	12:53
EXTERNAL STANDARD	0.295	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.296	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.295	12:56
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.295	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.295	12:58
BLANK TEST	0.000	12:59

Average = 0.2952
Std Dev = 0.0004



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 10/08/2024
Time: 12:22:22

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 = 1.52 V PASSED
(0.92 V - 2.16 V)
Cooler Voltage = 1.54 V PASSED
(0.92 V - 2.16 V)
Bias Voltage = 80 V PASSED
(47 V - 111 V)
Chopper Freq = 540 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.9 in

PUMP INFO

Flow Rate = 3.903 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 = 0.092 1.15% PASSED
(0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100375

Date: 10/08/2024
Time: 12:50 PM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 48.0°C

Current Barometer 29.4 in S/N 230307229
Volume (Ltr) 0.00 Exp 5/2/25
KS 10/8/24

Settings

Lamp: 1.54 V
Bias: 80 V
Cooler: 1.59 V
Chopper: 534 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.020 V

LINEARITY CHECK

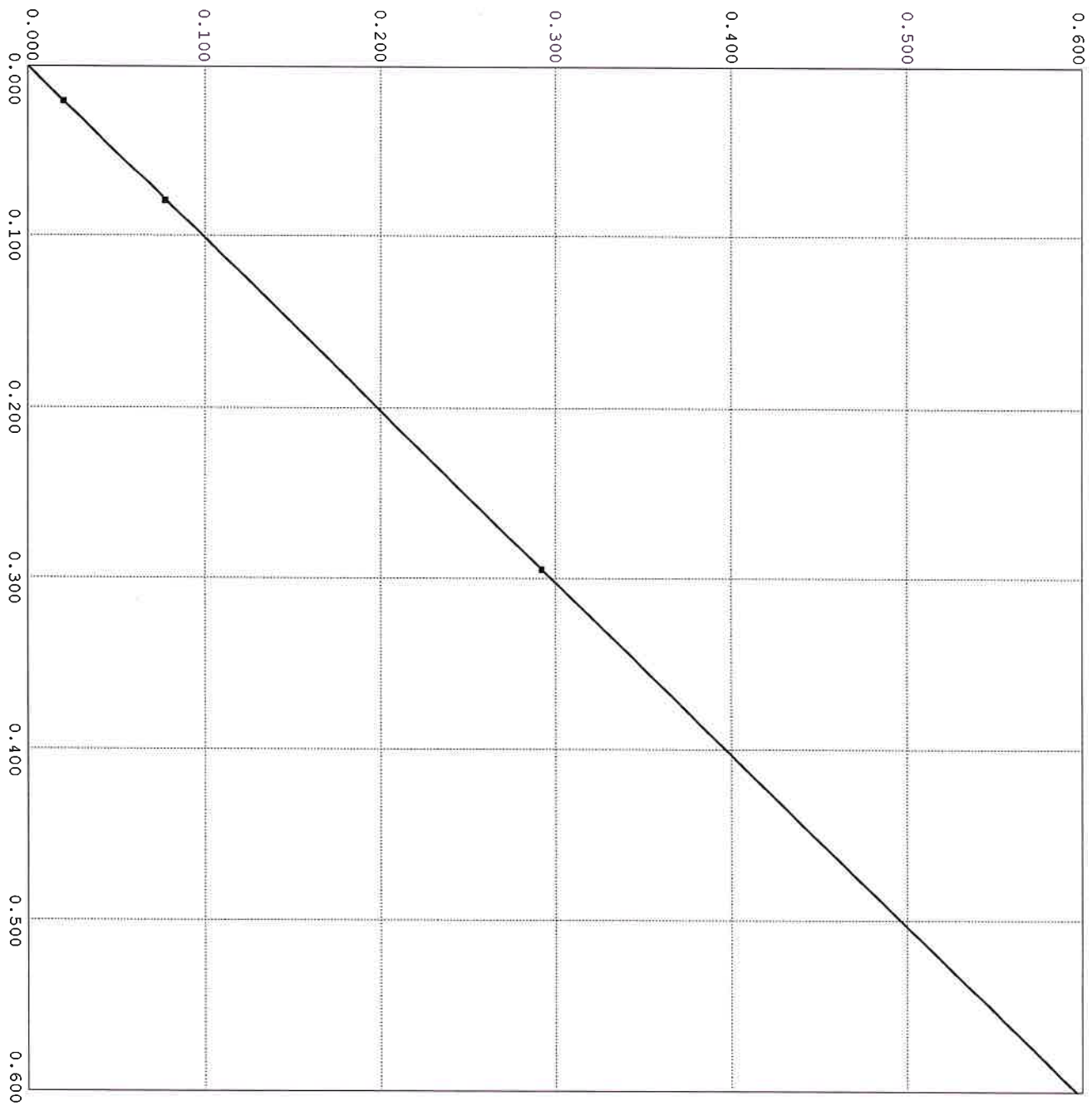
Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 10/08/2024
Time: 12:56:51

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0208	0.0004
0.079	0.0784	0.0005
0.294	0.2928	0.0004

SLOPE = 0.993913
R² = 0.999986



SR

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100375

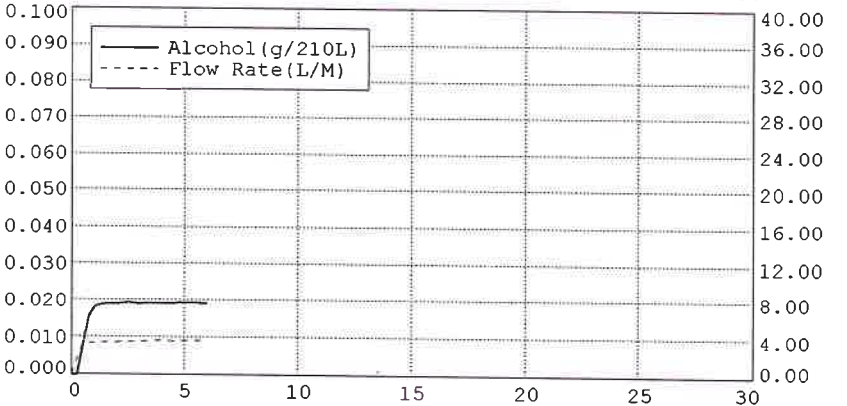
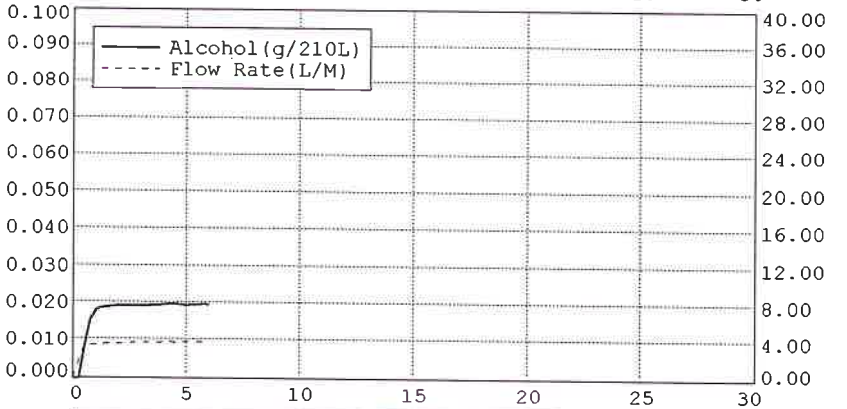
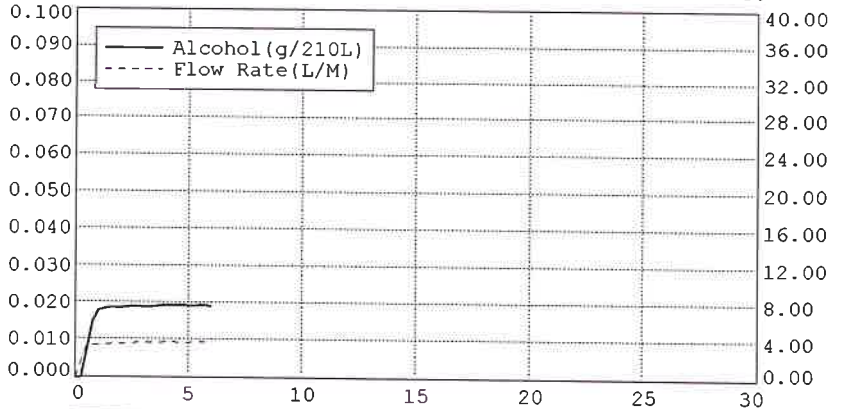
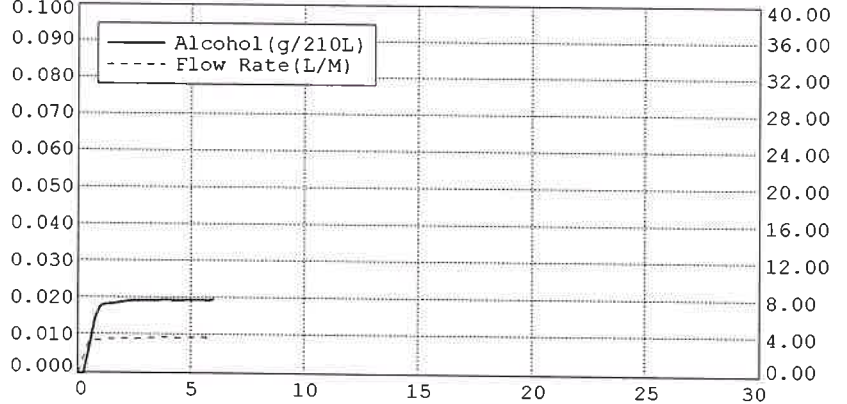
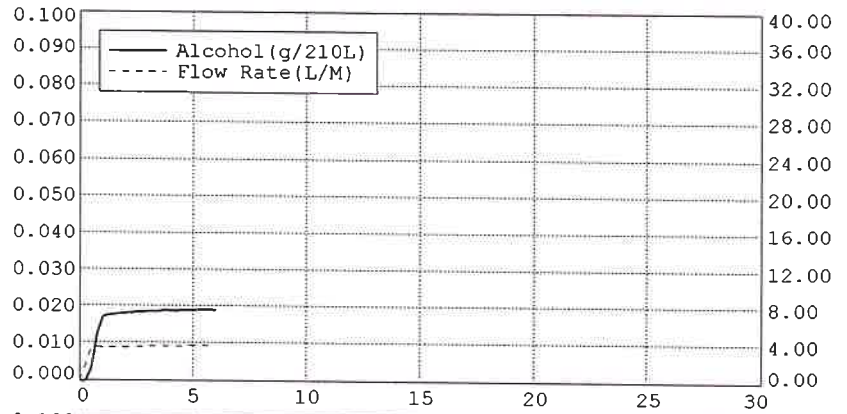
Date: 10/08/2024
Time: 12:56:53

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.36: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 1076 psi

BLANK TEST	0.000	12:58
INTERNAL STANDARD	VERIFIED	12:58
EXTERNAL STANDARD	0.020	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.021	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.021	13:01
BLANK TEST	0.000	13:01
EXTERNAL STANDARD	0.021	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.021	13:03
BLANK TEST	0.000	13:04

Average = 0.0208
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100375

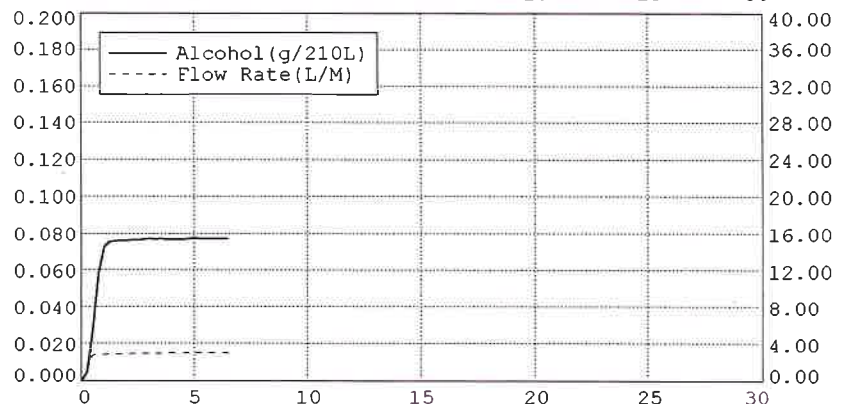
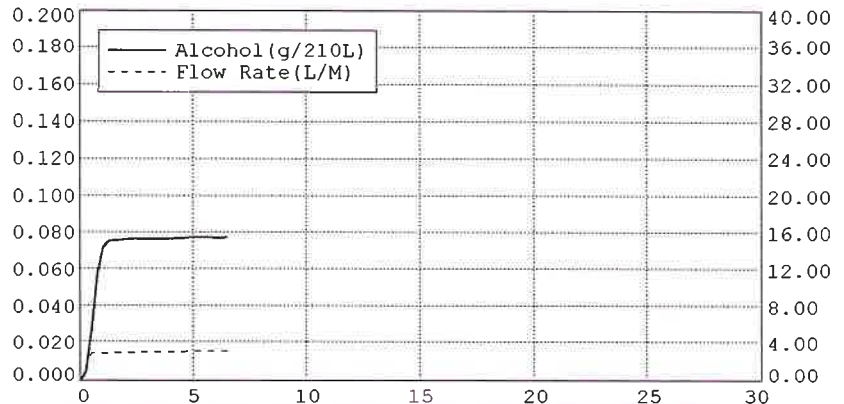
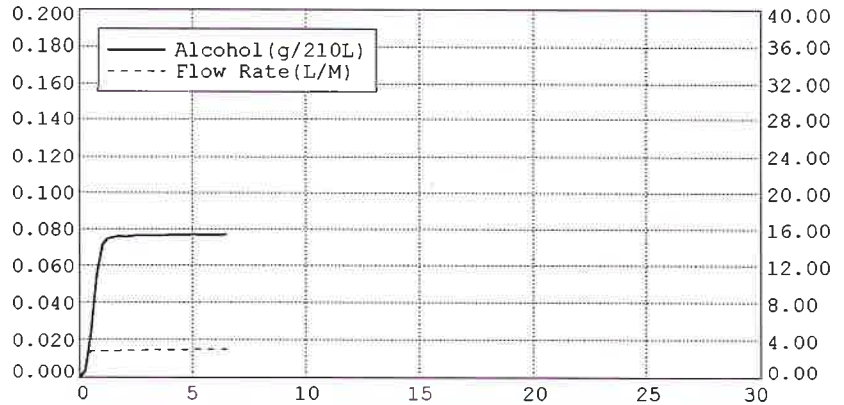
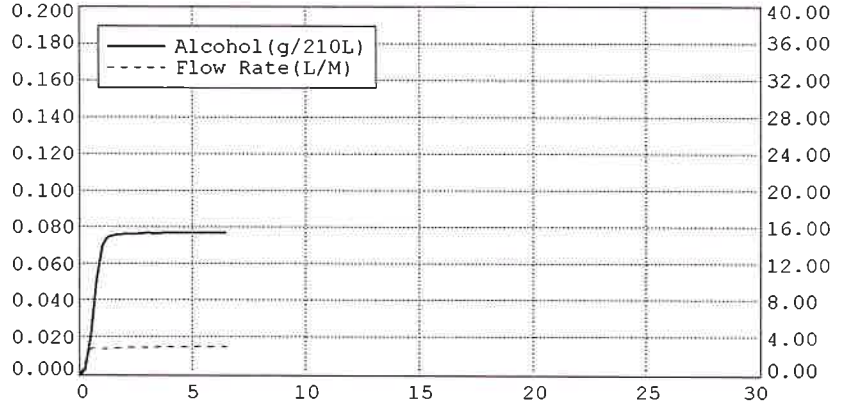
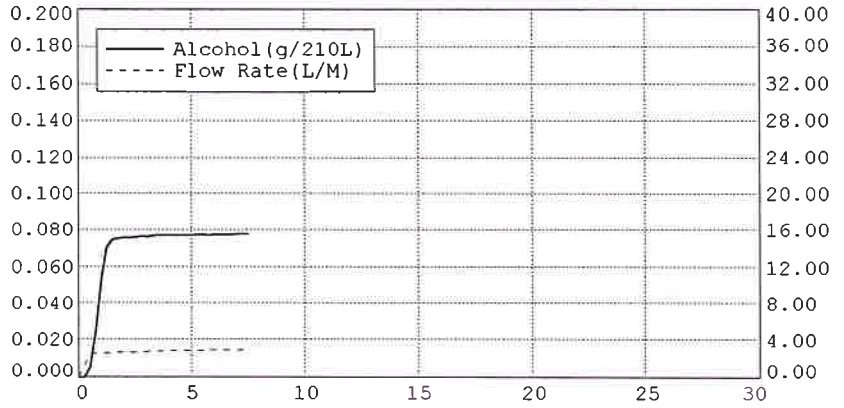
Date: 10/08/2024
Time: 13:07:46

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.36: 0.079
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 209 psi

BLANK TEST	0.000	13:09
INTERNAL STANDARD	VERIFIED	13:09
EXTERNAL STANDARD	0.079	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.078	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.078	13:11
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.078	13:13
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.079	13:14
BLANK TEST	0.000	13:15

Average = 0.0784
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100375

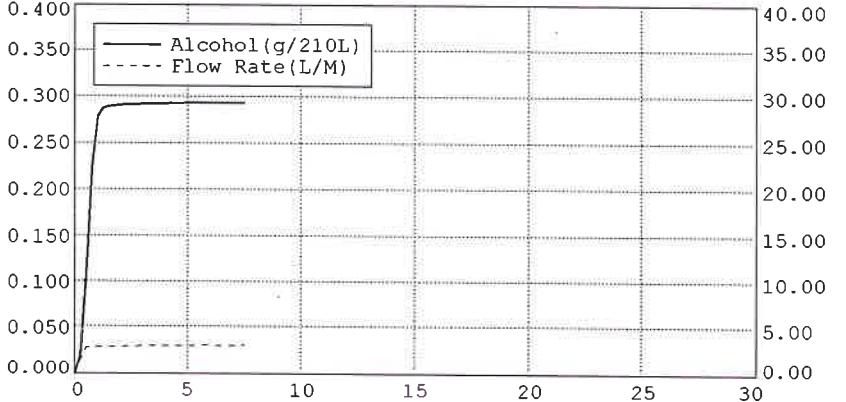
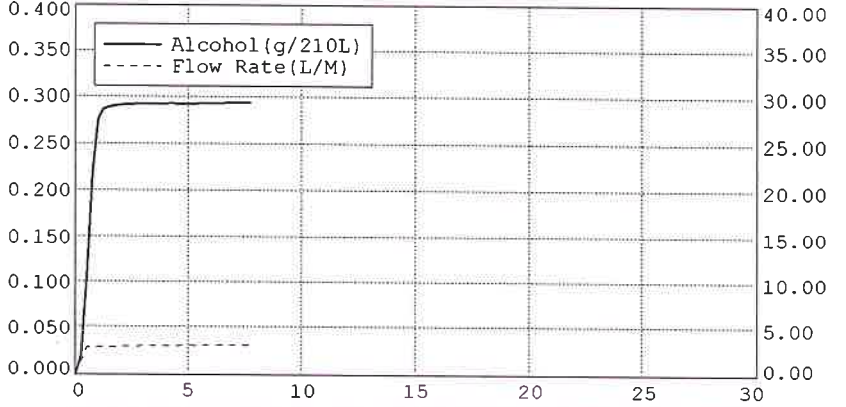
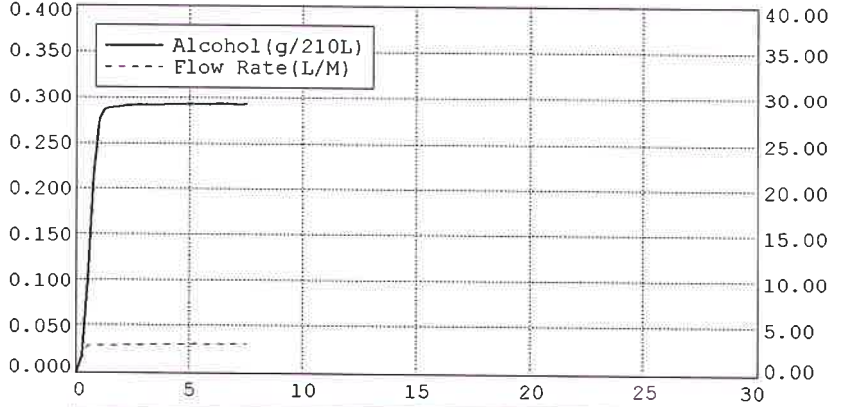
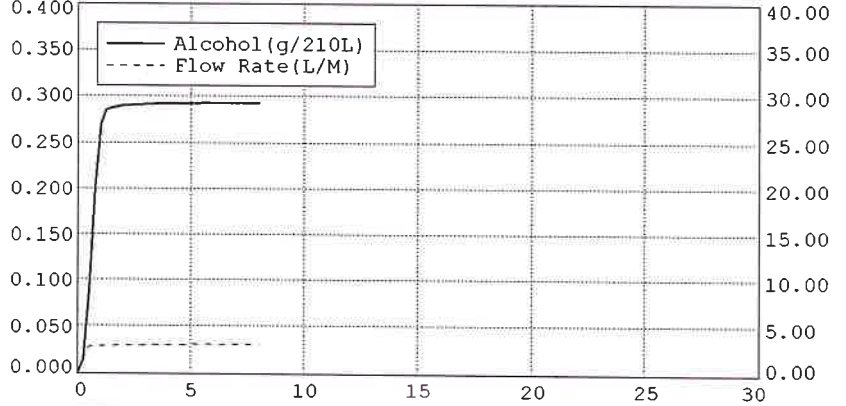
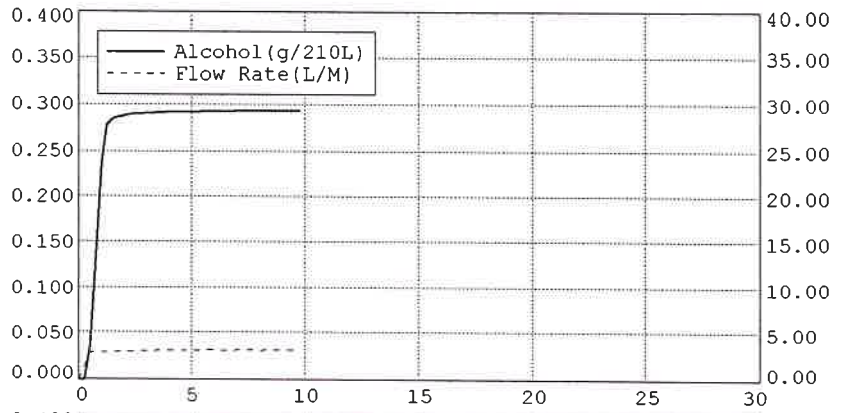
Date: 10/08/2024
Time: 13:17:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.36: 0.294
LOT #: AG327804
EXPIRATION: 10/05/2025
TANK PRESSURE: 257 psi

BLANK TEST	0.000	13:18
INTERNAL STANDARD	VERIFIED	13:18
EXTERNAL STANDARD	0.293	13:19
BLANK TEST	0.000	13:20
EXTERNAL STANDARD	0.292	13:20
BLANK TEST	0.000	13:21
EXTERNAL STANDARD	0.293	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.293	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.293	13:23
BLANK TEST	0.000	13:24

Average = 0.2928
Std Dev = 0.0004



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 10/08/2024
Time: 11:50:27

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 = 47.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.74 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.69 V PASSED
(1.04 V - 2.44 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 526 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.9 in

PUMP INFO

Flow Rate = 4.109 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

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

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.093 1.21% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100397

Date: 10/08/2024

Time: 12:24 PM

Temperatures (°C)

Sample Cell: 48.9°C

Breath Tube: 47.2°C

Current Barometer 28.9 in *S/N 230307229*

Volume (Ltr) 0.00 *Exp 5/2/25*

KS 10/8/24

Settings

Lamp: 1.74 V

Bias: 81 V

Cooler: 1.71 V

Chopper: 523 Hz

Voltages (V)

Flow: 1.06 V

Detector: 0.040 V

LINEARITY CHECK

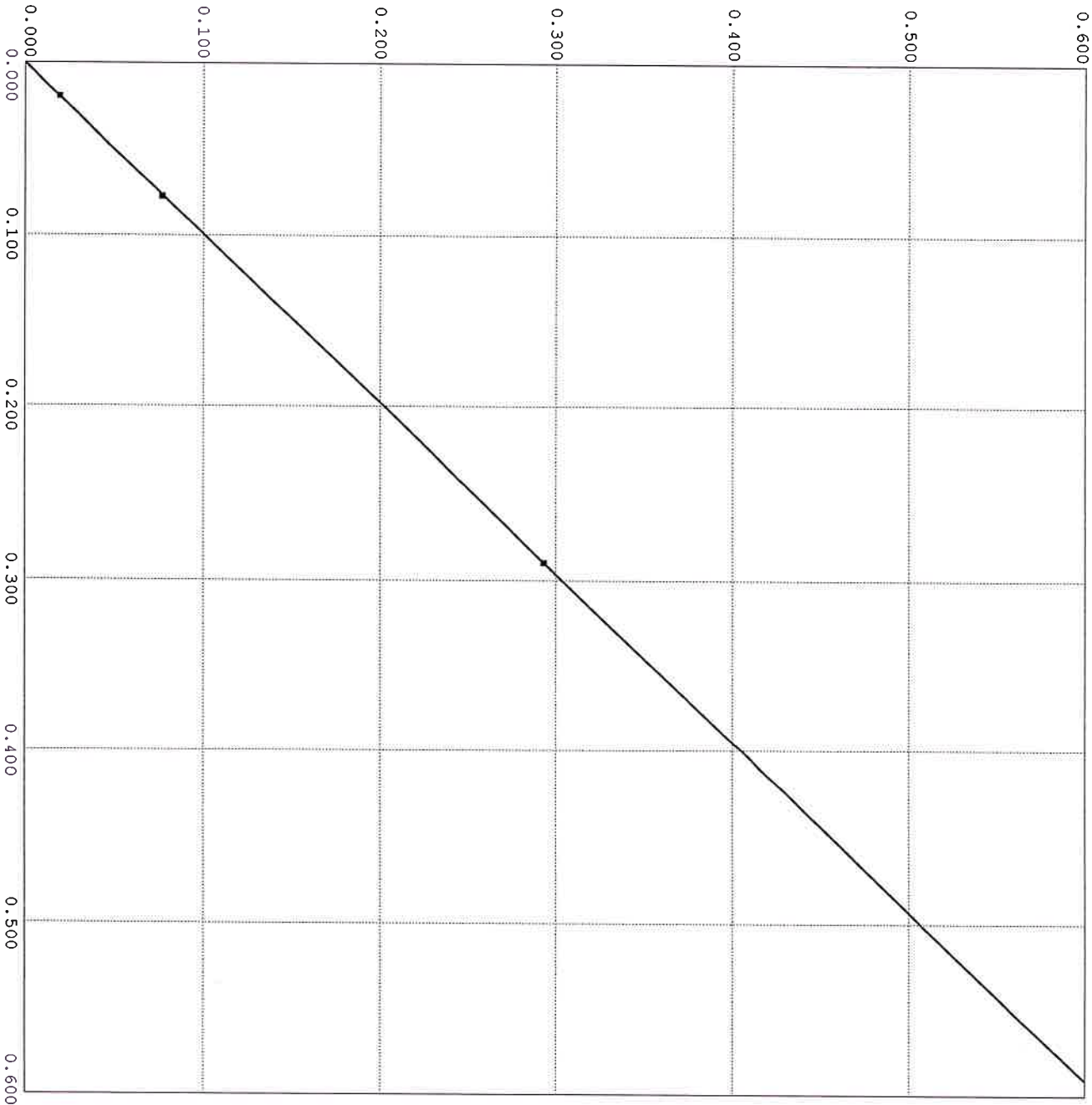
Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 10/08/2024
Time: 12:28:47

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.019	0.0200	0.0000
0.077	0.0778	0.0004
0.289	0.2938	0.0004

SLOPE = 1.015365
R² = 0.999985



KS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100397

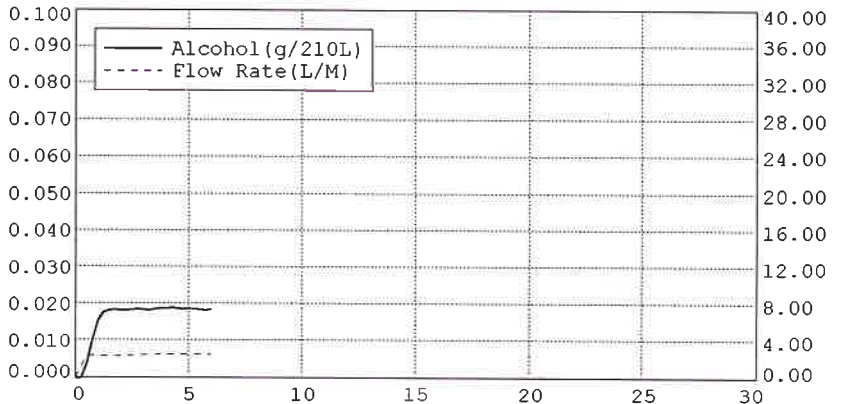
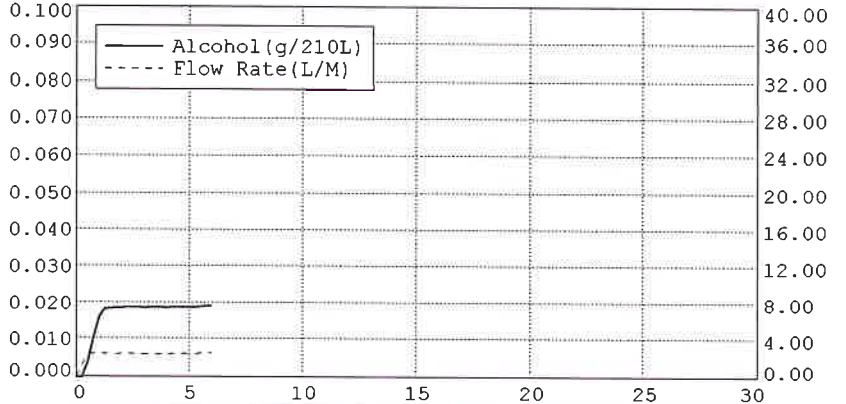
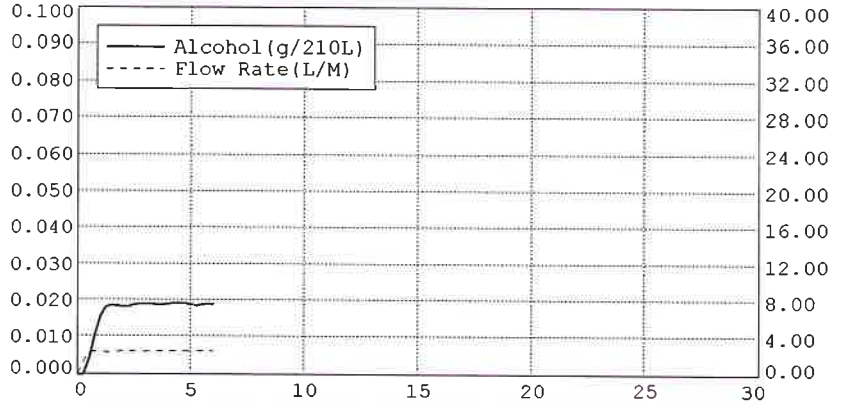
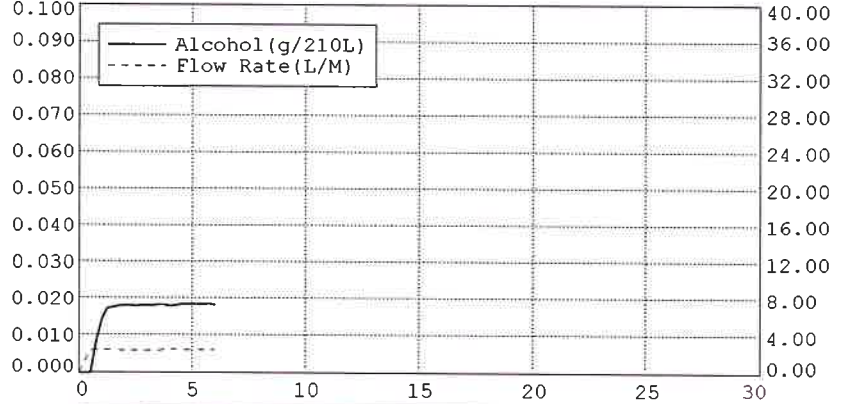
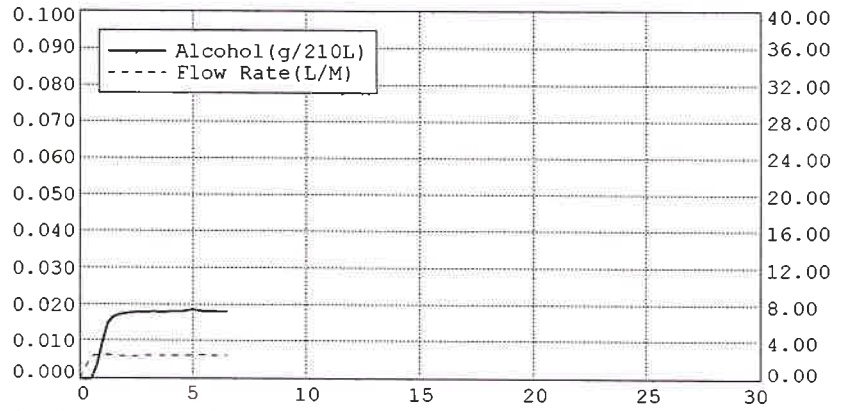
Date: 10/08/2024
Time: 12:28:50

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 28.86: 0.019
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 373 psi

BLANK TEST	0.000	12:30
INTERNAL STANDARD	VERIFIED	12:30
EXTERNAL STANDARD	0.020	12:30
BLANK TEST	0.000	12:31
EXTERNAL STANDARD	0.020	12:31
BLANK TEST	0.000	12:32
EXTERNAL STANDARD	0.020	12:32
BLANK TEST	0.000	12:33
EXTERNAL STANDARD	0.020	12:34
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.020	12:35
BLANK TEST	0.000	12:36

Average = 0.0200
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100397

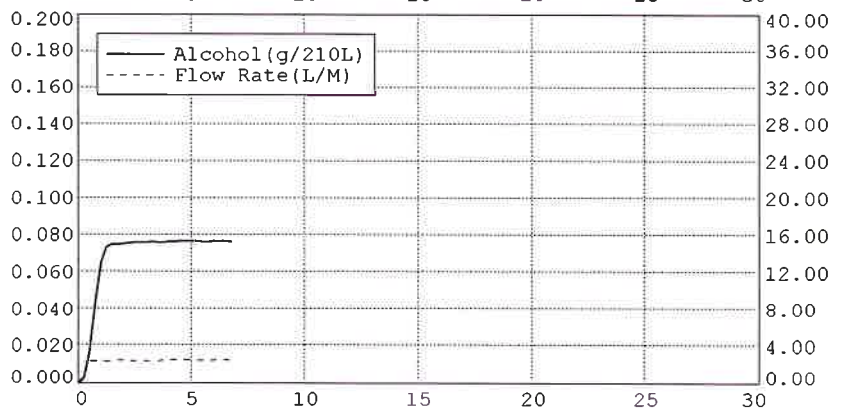
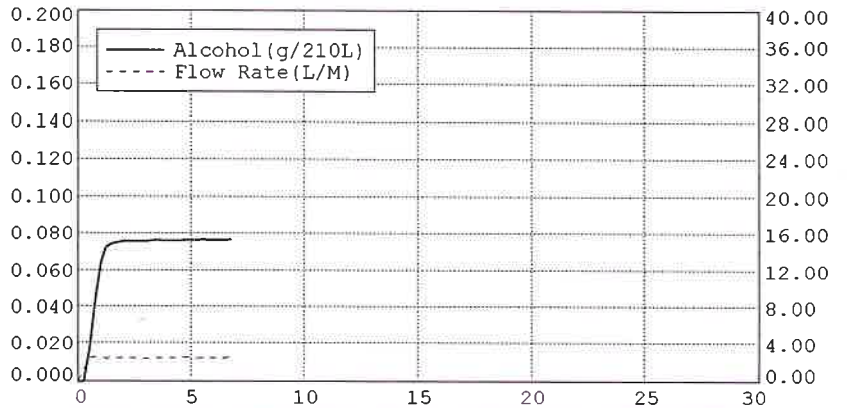
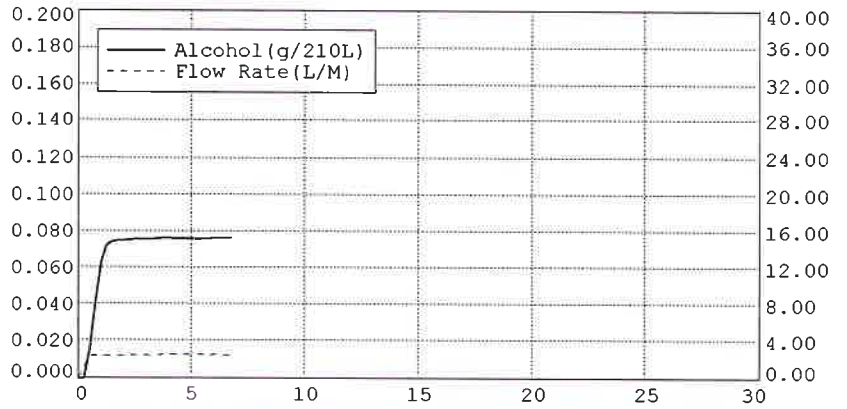
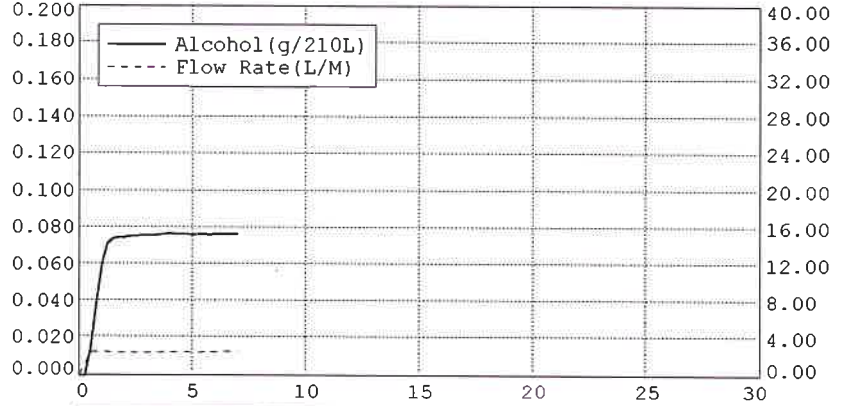
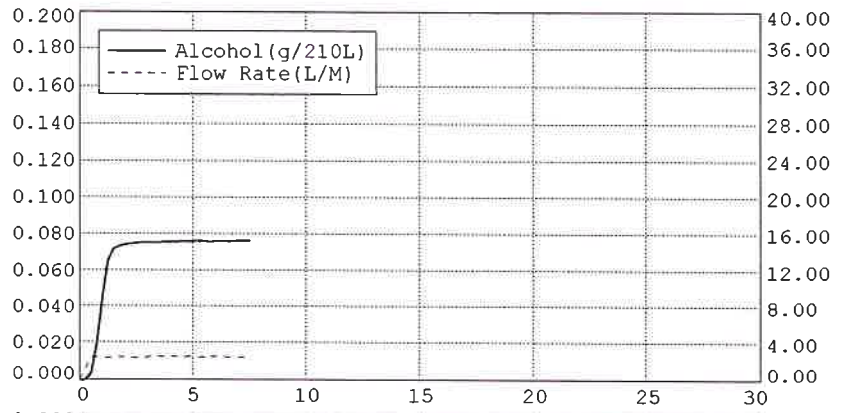
Date: 10/08/2024
Time: 12:39:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 28.86: 0.077
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 404 psi

BLANK TEST	0.000	12:40
INTERNAL STANDARD	VERIFIED	12:40
EXTERNAL STANDARD	0.078	12:40
BLANK TEST	0.000	12:41
EXTERNAL STANDARD	0.078	12:41
BLANK TEST	0.000	12:42
EXTERNAL STANDARD	0.077	12:43
BLANK TEST	0.000	12:43
EXTERNAL STANDARD	0.078	12:44
BLANK TEST	0.000	12:45
EXTERNAL STANDARD	0.078	12:45
BLANK TEST	0.000	12:46

Average = 0.0778
Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100397

Date: 10/08/2024
Time: 12:53:37

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 28.86: 0.289
LOT #: AG327804 10/05/2025
EXPIRATION: 10/02/2025 KS 10/11/2024
TANK PRESSURE: 123 psi

BLANK TEST	0.000	12:54
INTERNAL STANDARD	VERIFIED	12:54
EXTERNAL STANDARD	0.294	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.294	12:56
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.293	12:57
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.294	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.294	12:59
BLANK TEST	0.000	13:00

Average = 0.2938
Std Dev = 0.0004

