

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100414

Analyst/Technician(s): Kaya Swisher

Start Date: ~~1/14/2025~~ 1/14/2025 KS 1/14/25

Date Instrument Received: 1/14/2025

Reason for instrument evaluation

Internal Standard Errors

Visual Inspection:

- | | |
|---|---|
| ☒ Clean | ☒ Replace missing screws |
| ☒ Cermetex Box (modem) is secure | ☒ Ensure modem cable present |
| ☒ Double Check Valve secured to wall | ☒ All tubing and connections secure |
| ☒ O-ring inspection and ensure 2 replacement O-rings in bag | |
| ☒ Attach VOC | ☒ VOC Internal Standard $\leq 3.00\%$ |
| ☒ Verify software version | |

Condition of item: ☒ No apparent damage ☐ Damaged

NOTE: As Found Linearity is required if the instrument is not damaged and the internal standard value is not more than 4.00%

As Found Conditions (if performed):

Barometric Pressure (inHg): 29.32 Temperature (C): 22.3 Relative Humidity (%) 19

Linearity Test Levels (g/210L): 0.020, 0.080, 0.300

Notes: O-Ring Replaced. Blank error occurred during VOC. Second VOC passed. During 0.300 linearity test, internal standard error status message occurred. Linearity passed second time.

☒ Attach Non-Drinking Subject Test

Conclusion:

- | | |
|--|---------------------------------------|
| ☒ Ready for Adjustment | ☐ Needs Repair |
| ☐ Ready for Calibration | |

Lab Work End Date: 1/14/25

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/14/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.66: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 601 psi

BLANK TEST	0.000	10:45
INTERNAL STANDARD	VERIFIED	10:45
EXTERNAL STANDARD	0.078	10:46
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.076	10:47

Blank Error

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED

Breath Tube = 45.0°C PASSED

PUMP INFO

Flow Rate = 4.942 L/M PASSED

DETECTOR INFO

PUMP ON PASSED

PUMP OFF PASSED

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD PASSED

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

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Date: 01/14/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 595 psi

BLANK TEST	0.000	10:51
INTERNAL STANDARD	VERIFIED	10:51
Xq = 0.088 (1.71%)		
EXTERNAL STANDARD	0.078	10:51
X[1] = 0.0780 (-0.0034) (0.0022)		
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.078	10:52
X[1] = 0.0777 (-0.0025) (0.0018)		
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.077	10:53
X[1] = 0.0768 (-0.0031) (0.0018)		
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.077	10:54
X[1] = 0.0773 (-0.0030) (0.0024)		
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.077	10:56
X[1] = 0.0774 (-0.0025) (0.0025)		
BLANK TEST	0.000	10:56

Average = 0.0774
Std Dev = 0.0005

Diagnostic Check

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 = 44.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.74 V	PASSED
(1.06 V - 2.48 V)	
Cooler Voltage = 1.79 V	PASSED
(0.97 V - 2.25 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 513 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.942 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.088	1.21%	(0.00% - 4.00%)	PASSED
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LINEARITY CHECK

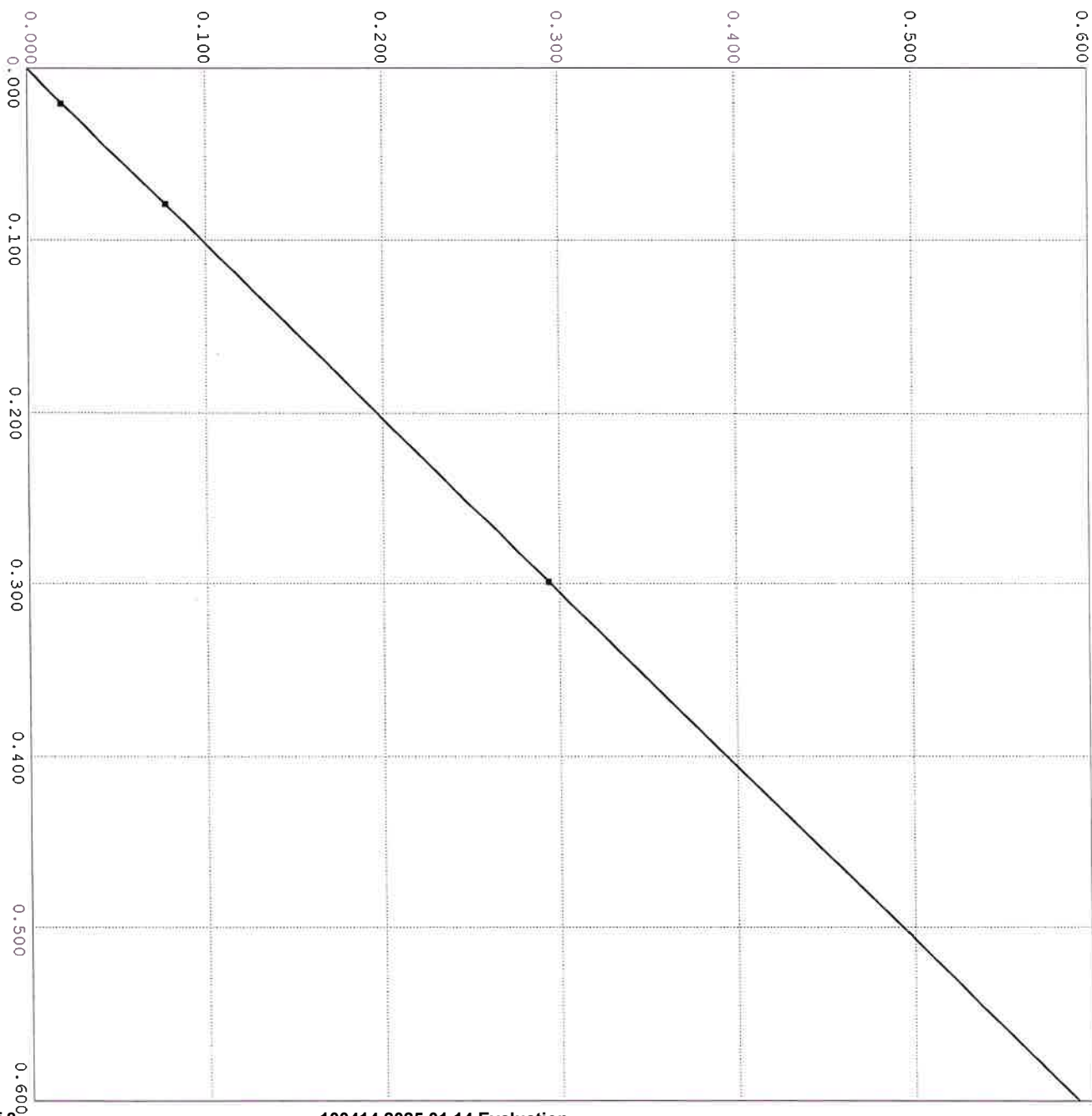
Alaska Department of Public Safety
 DATAMASTER dmt: 100414

Date: 01/14/2025
 Time: 10:59:30

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0196	0.0005
0.079	0.0786	0.0005
0.298	0.2944	0.0005

SLOPE = 0.987645
 R^2 = 0.999993



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LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100414

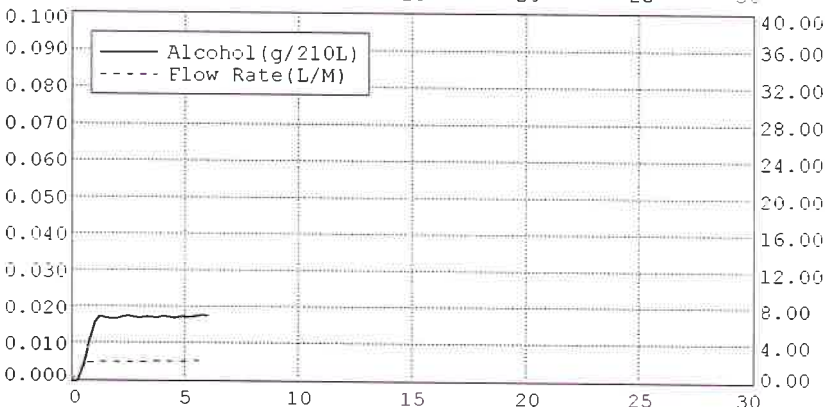
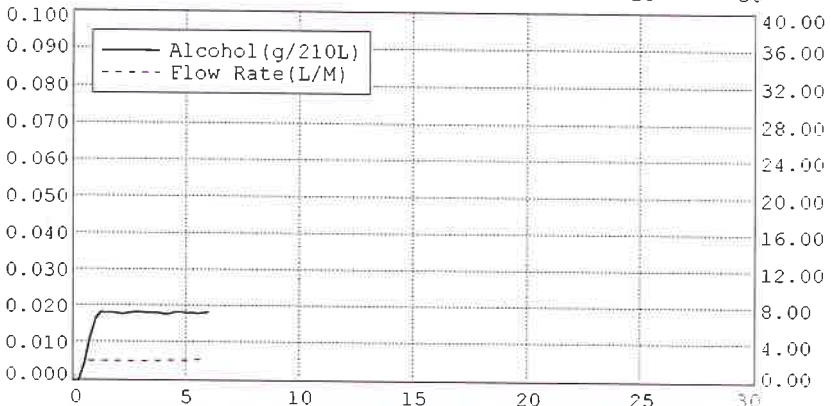
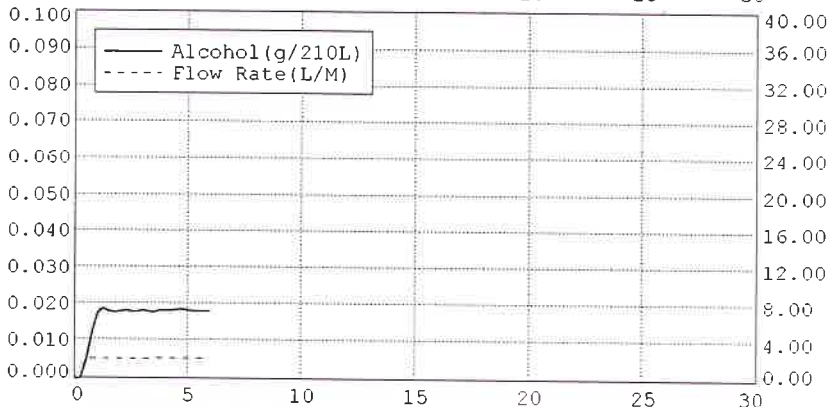
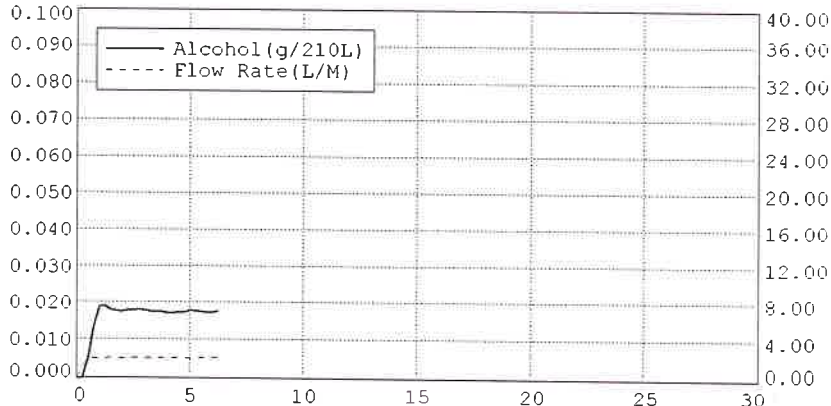
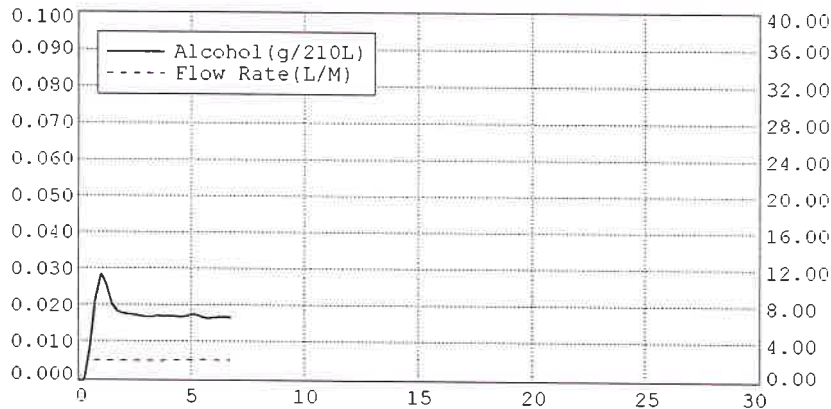
Date: 01/14/2025
Time: 10:59:32

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.67: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 616 psi

BLANK TEST	0.000	11:01
INTERNAL STANDARD	VERIFIED	11:01
EXTERNAL STANDARD	0.019	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.020	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.020	11:03
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.020	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.019	11:05
BLANK TEST	0.000	11:06

Average = 0.0196
Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100414

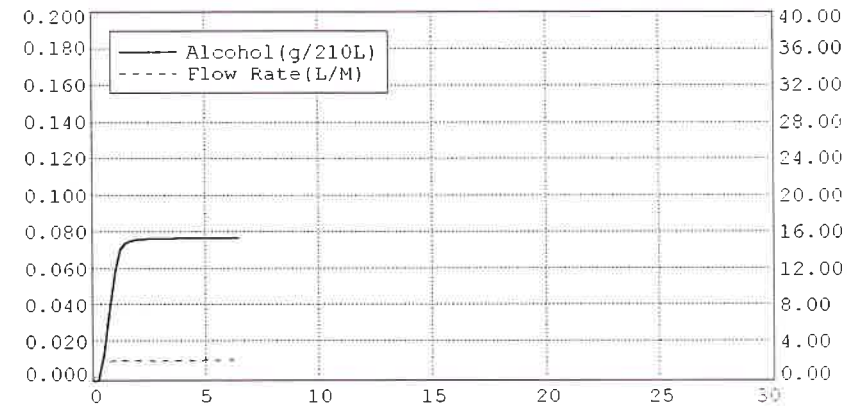
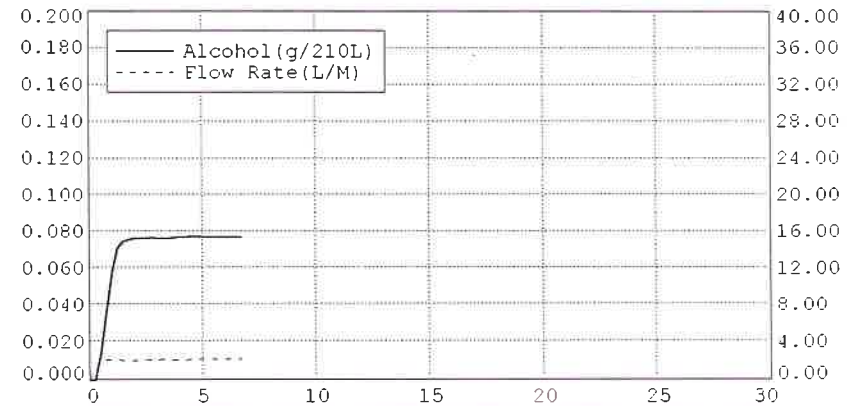
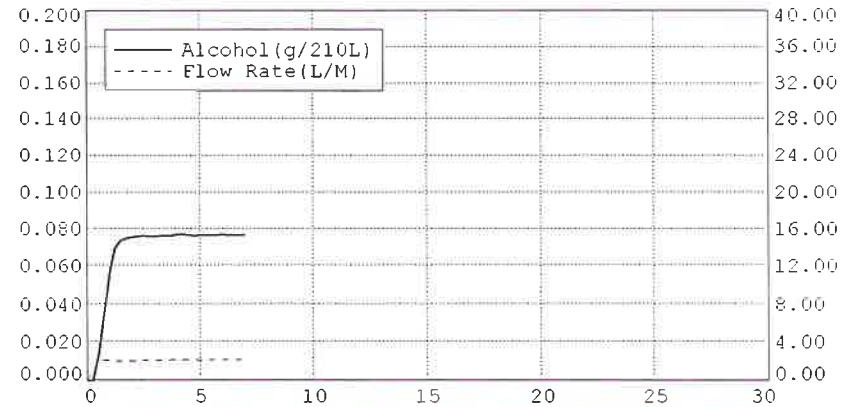
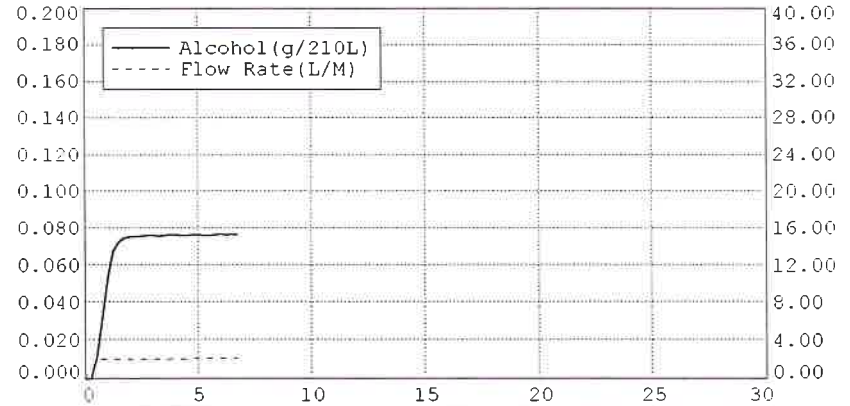
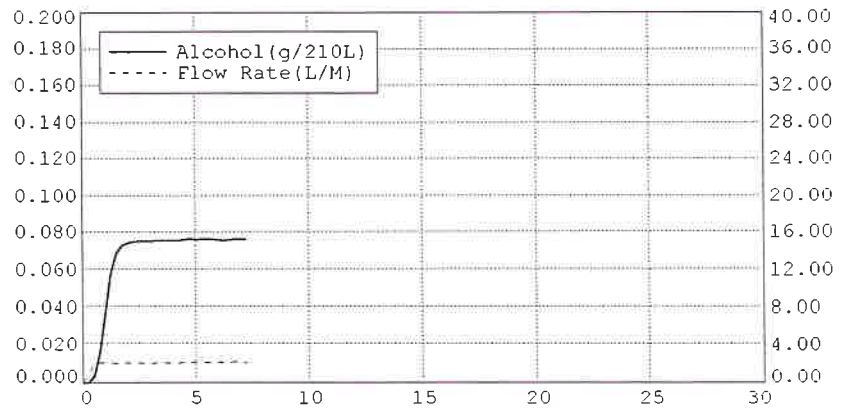
Date: 01/14/2025
Time: 11:07:33

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.67: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 576 psi

TEST TYPE	CONCENTRATION	TIME
BLANK TEST	0.000	11:08
INTERNAL STANDARD	VERIFIED	11:09
EXTERNAL STANDARD	0.078	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.078	11:10
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.079	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.079	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.079	11:13
BLANK TEST	0.000	11:14

Average = 0.0786
Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100414

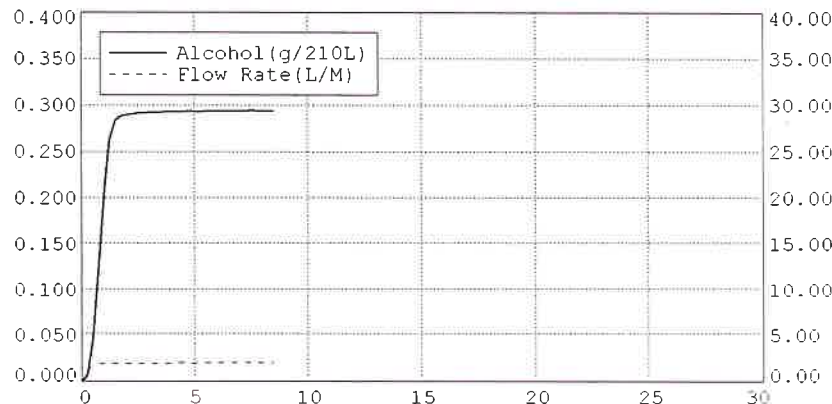
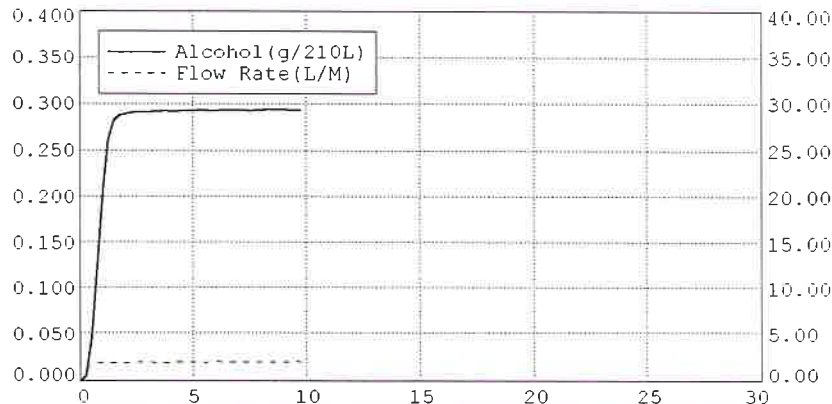
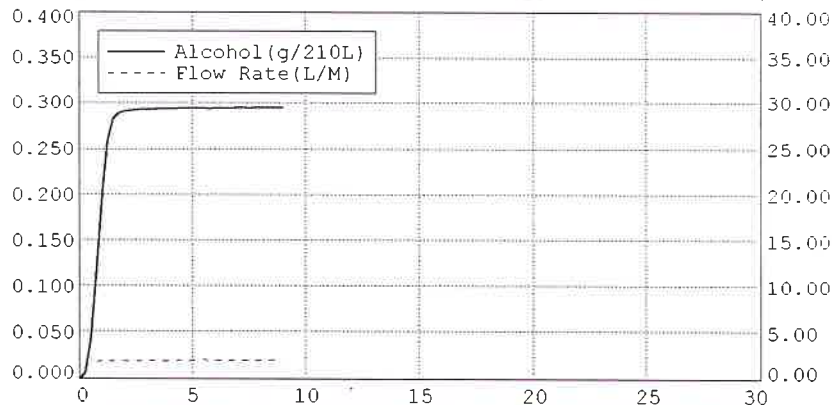
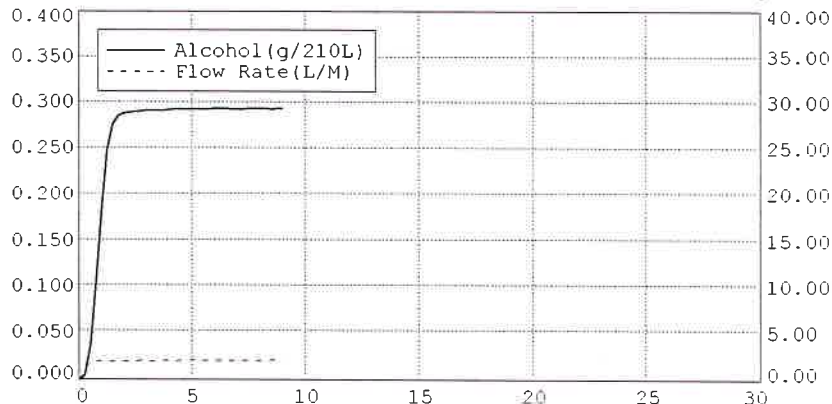
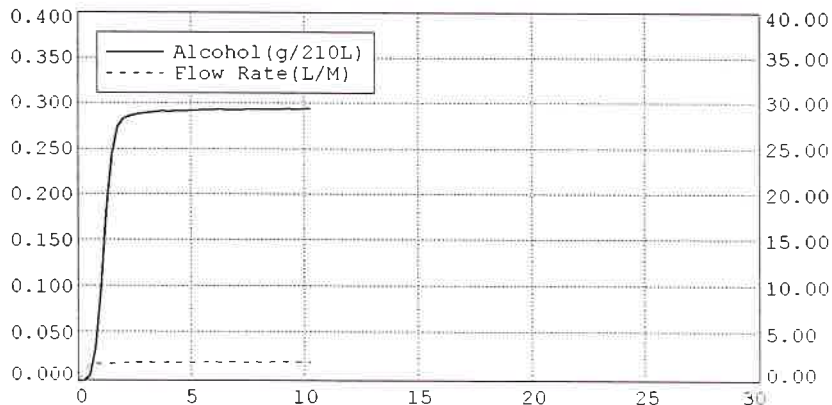
Date: 01/14/2025
Time: 11:21:15

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 29.67: 0.298
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 225 psi

BLANK TEST	0.000	11:27
INTERNAL STANDARD	VERIFIED	11:27
EXTERNAL STANDARD	0.294	11:27
BLANK TEST	0.000	11:28
EXTERNAL STANDARD	0.294	11:29
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.295	11:30
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.294	11:31
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.295	11:32
BLANK TEST	0.000	11:33

Average = 0.2944
Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATA MASTER dmt: 100414

Date: 01/14/2025
Time: 11:53:32

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: CCC
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	11:54
BLANK TEST	0.000	11:54
INTERNAL STANDARD	VERIFIED	11:54
EXTERNAL STANDARD	0.078	11:55
BLANK TEST	0.000	11:55
SUBJECT SAMPLE (Vol=2.00L)	0.000	11:56
BLANK TEST	0.000	11:57
EXTERNAL STANDARD	0.078	11:57
BLANK TEST	0.000	11:58

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