

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100374

Analyst/Technician(s): Kaige Swisher

Start Date: 7/14/25

Date Instrument Received: 7/14/25

Reason for instrument evaluation

Preventative maintenance.

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): 30.16 Temperature (C): 21.9 Relative Humidity (%) 38

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

Notes: VOC internal standard 3.59%.

☒ Attach Non-Drinking Subject Test

Conclusion:

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

Lab Work End Date: 7/15/25

Page 1 of 1

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100374

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/14/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.090

TARGET AT 30.14: 0.081

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 662 psi

BLANK TEST	0.000	15:07
INTERNAL STANDARD	VERIFIED	15:07
Xq = 0.090 (2.69%)		
EXTERNAL STANDARD	0.078	15:07
X[1] = 0.0777 (-0.0014) (-0.0007)		
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.078	15:08
X[1] = 0.0782 (-0.0009) (-0.0010)		
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.078	15:09
X[1] = 0.0782 (-0.0009) (-0.0003)		
BLANK TEST	0.000	15:10
EXTERNAL STANDARD	0.078	15:10
X[1] = 0.0781 (-0.0008) (-0.0014)		
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.078	15:12
X[1] = 0.0781 (-0.0007) (-0.0008)		
BLANK TEST	0.000	15:12

Average = 0.0780

Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02

FIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 47.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.59 V PASSED
(0.95 V - 2.23 V)

Cooler Voltage = 1.53 V PASSED
(0.92 V - 2.14 V)

Bias Voltage = 80 V PASSED
(48 V - 112 V)

Chopper Freq = 516 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 30.1 in

PUMP INFO

Flow Rate = 4.688 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 = 0.091 3.59% (0.00% - 4.00%) PASSED

LINEARITY CHECK

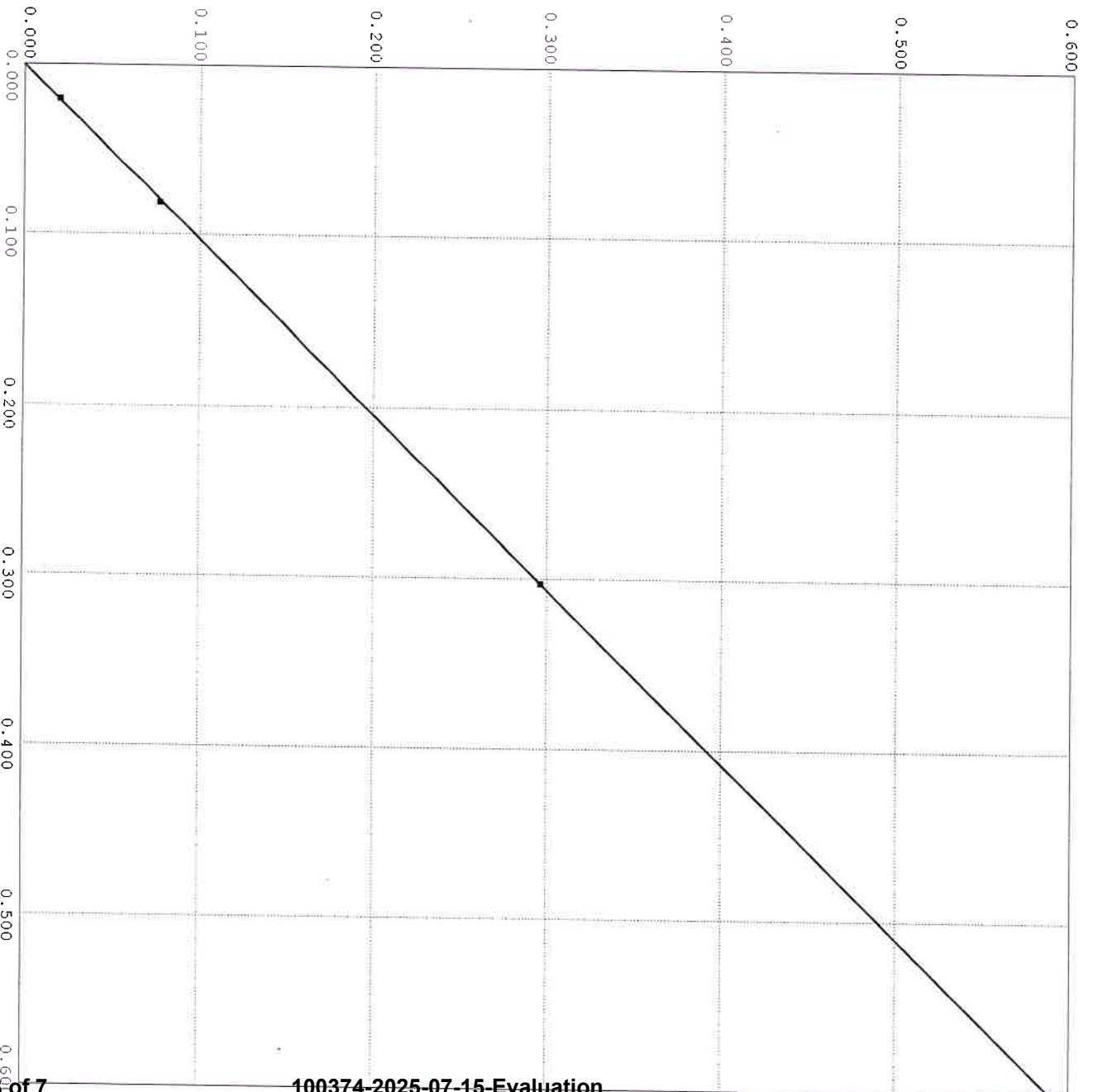
Alaska Department of Public Safety
DATAMASTER dmt: 100374

Date: 07/14/2025
Time: 15:17:14

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0208	0.0004
0.081	0.0782	0.0004
0.302	0.2972	0.0004

SLOPE = 0.983035
 R^2 = 0.999919



KS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100374

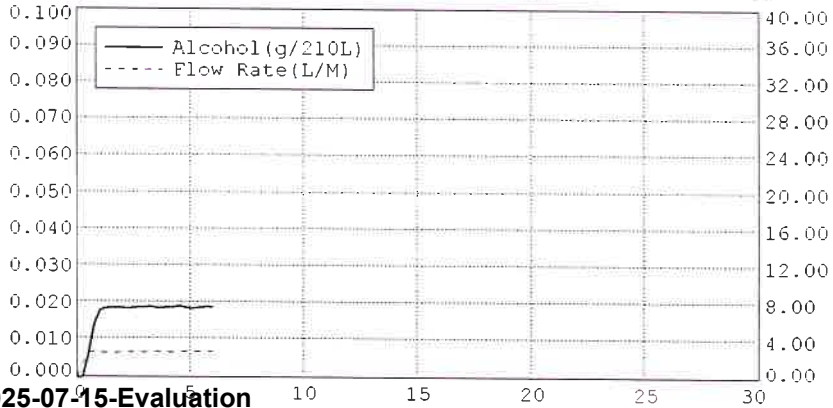
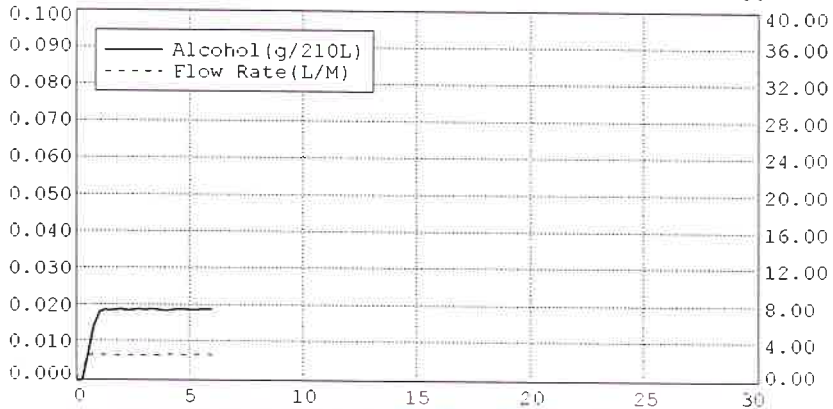
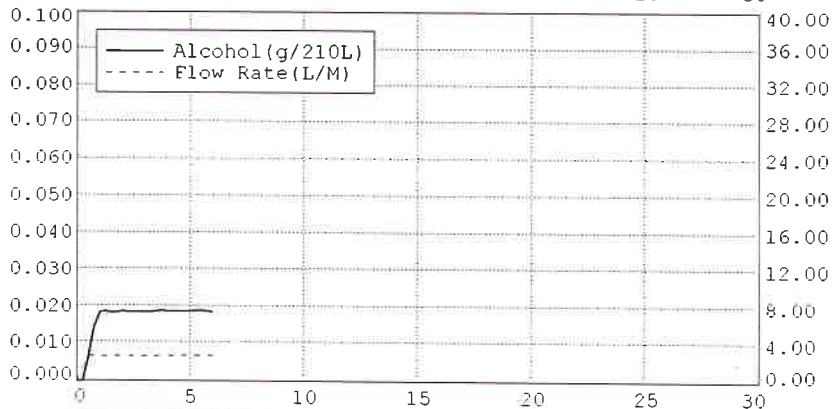
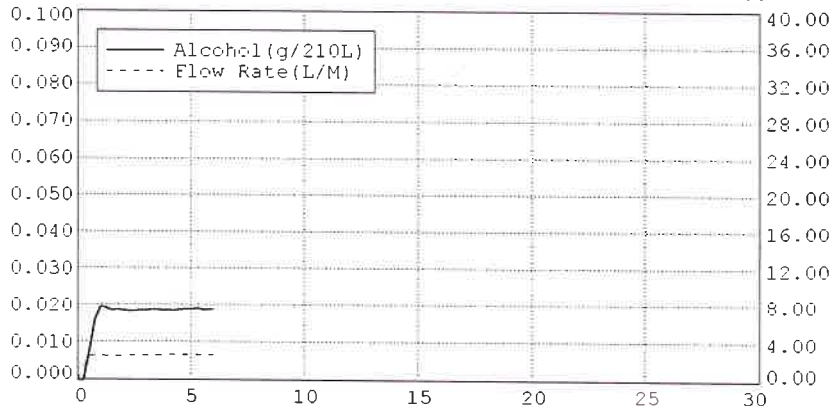
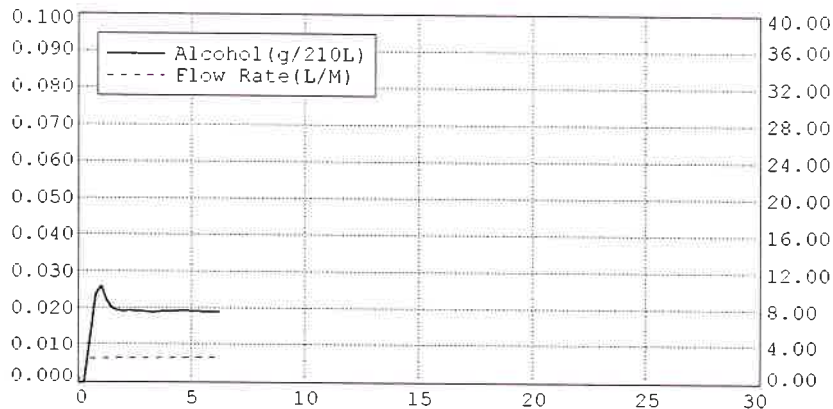
Date: 07/14/2025
Time: 15:17:16

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 30.13: 0.020
LOT #: AG408002
EXPIRATION: 03/20/2026
TANK PRESSURE: 566 psi

BLANK TEST	0.000	15:18
INTERNAL STANDARD	VERIFIED	15:18
EXTERNAL STANDARD	0.021	15:18
BLANK TEST	0.000	15:19
EXTERNAL STANDARD	0.021	15:19
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.020	15:21
BLANK TEST	0.000	15:21
EXTERNAL STANDARD	0.021	15:22
BLANK TEST	0.000	15:23
EXTERNAL STANDARD	0.021	15:23
BLANK TEST	0.000	15:24

Average = 0.0208
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100374

Date: 07/14/2025
Time: 15:25:35

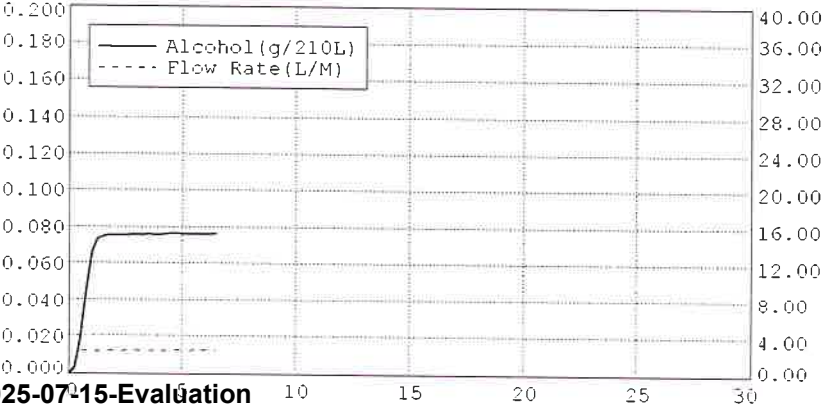
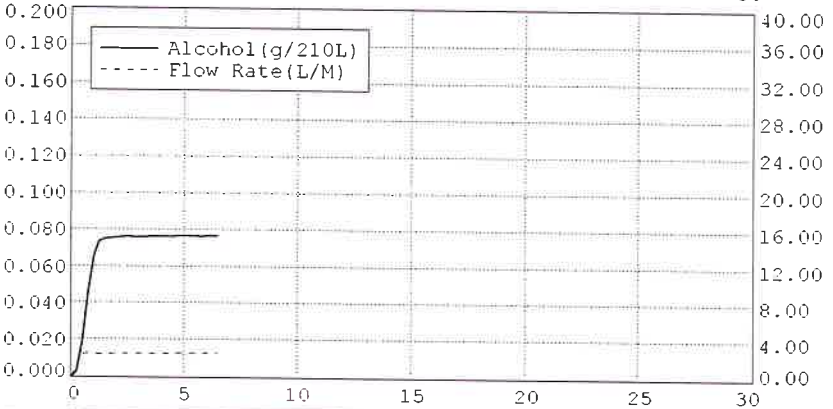
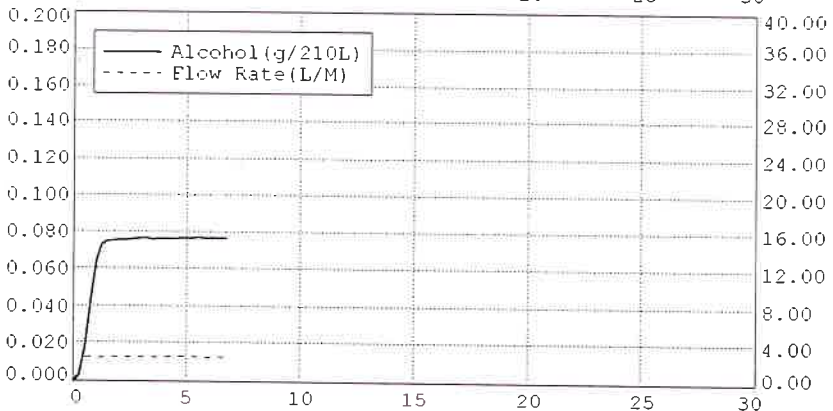
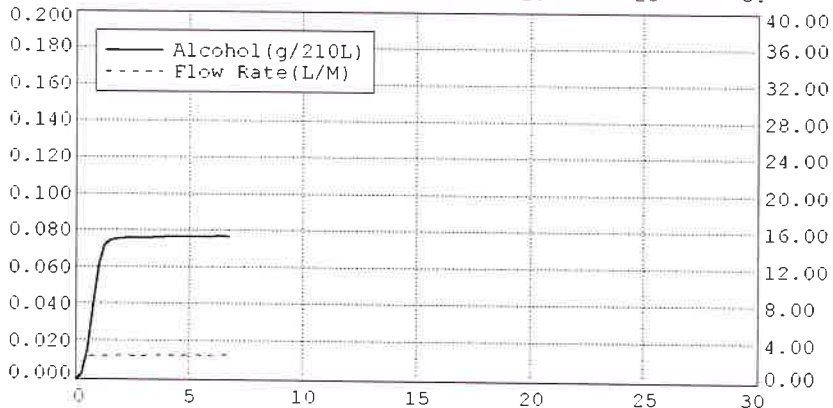
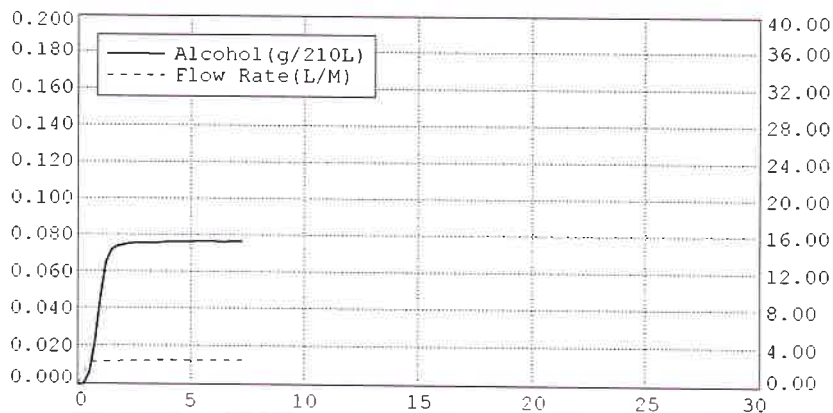
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.13: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 0 psi*

BLANK TEST	0.000	15:26
INTERNAL STANDARD	VERIFIED	15:26
EXTERNAL STANDARD	0.078	15:27
BLANK TEST	0.000	15:28
EXTERNAL STANDARD	0.079	15:28
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.078	15:29
BLANK TEST	0.000	15:30
EXTERNAL STANDARD	0.078	15:30
BLANK TEST	0.000	15:31
EXTERNAL STANDARD	0.078	15:31
BLANK TEST	0.000	15:32

Average = 0.0782
Std Dev = 0.0004

* inadvertently started test
without having tank fully inserted
when pressure was measured.
Tank pressure 632 PSI.
KS 7/14/25



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100374

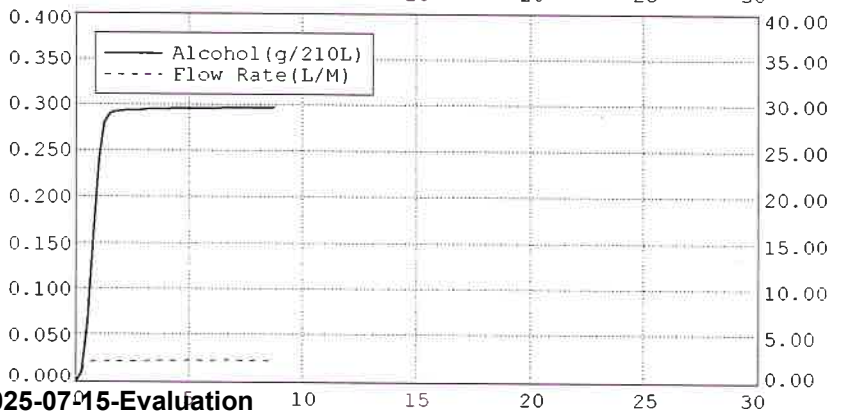
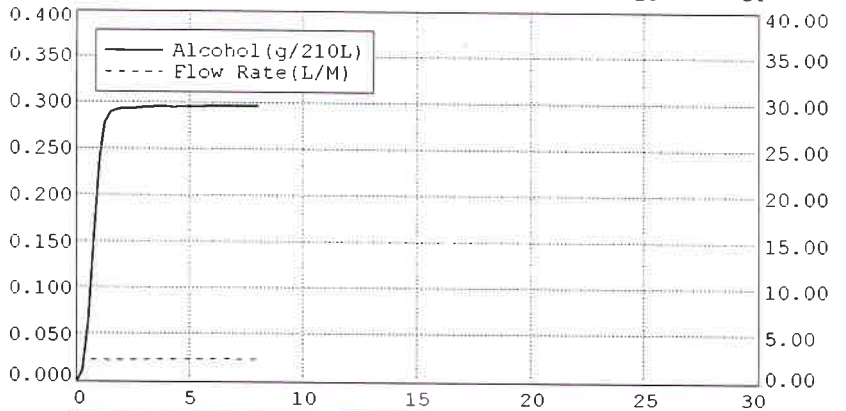
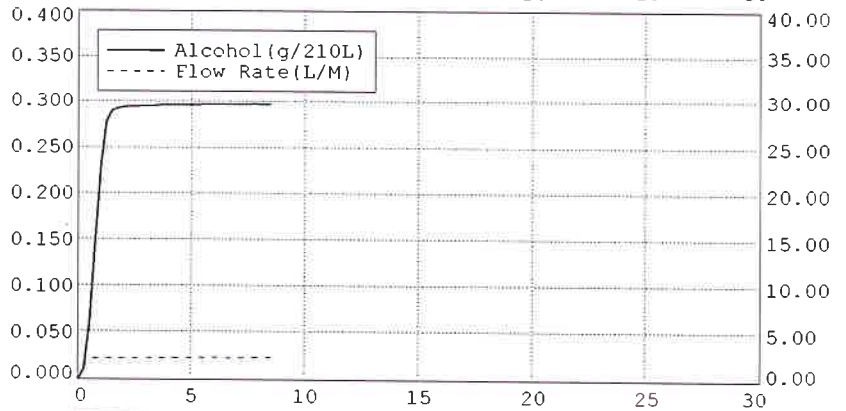
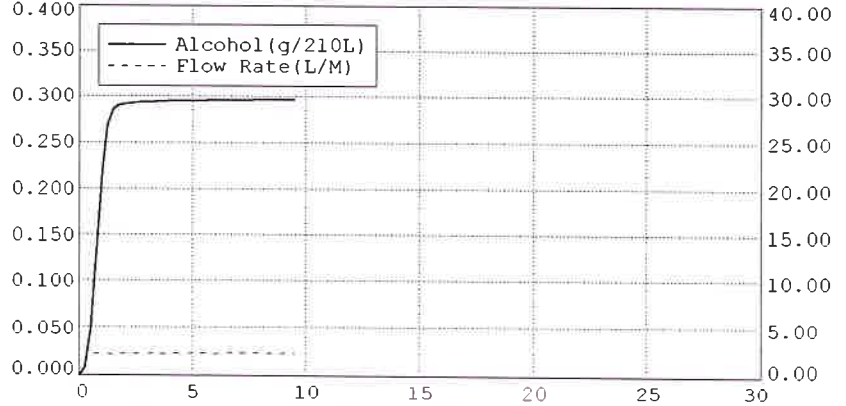
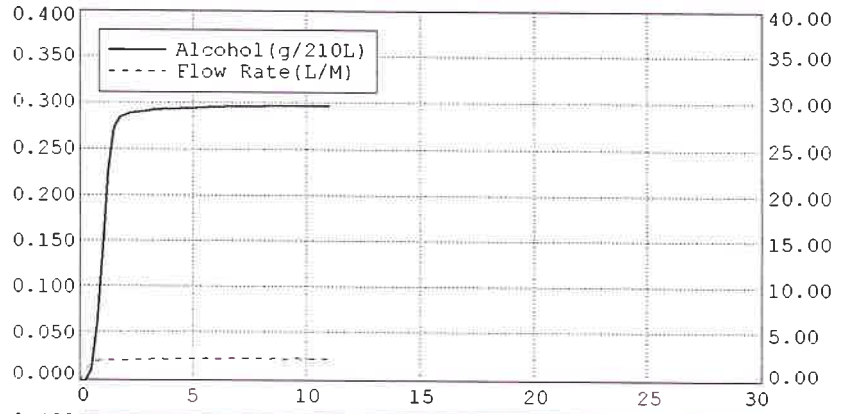
Date: 07/14/2025
Time: 15:33:52

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
TARGET AT 30.13: 0.302
LOT #: AG427706
EXPIRATION: 10/03/2026
TANK PRESSURE: 191 psi

BLANK TEST	0.000	15:35
INTERNAL STANDARD	VERIFIED	15:35
EXTERNAL STANDARD	0.298	15:35
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.297	15:36
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.297	15:38
BLANK TEST	0.000	15:38
EXTERNAL STANDARD	0.297	15:39
BLANK TEST	0.000	15:40
EXTERNAL STANDARD	0.297	15:40
BLANK TEST	0.000	15:41

Average = 0.2972
Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100374

Date: 07/15/2025
Time: 12:08:30

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 30.18: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	12:09
BLANK TEST	0.000	12:09
INTERNAL STANDARD	VERIFIED	12:09
EXTERNAL STANDARD	0.078	12:09
BLANK TEST	0.000	12:10
SUBJECT SAMPLE (Vol=1.83L)	0.000	12:11
BLANK TEST	0.000	12:12
EXTERNAL STANDARD	0.079	12:12
BLANK TEST	0.000	12:13

KS

