

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100352

Analyst/Technician(s): Kaija Swisher

Start Date: 2/19/25

Date Instrument Received: ~~2/18/25~~ 2/19/2025 (KS 3/3/25)

Reason for instrument evaluation

Touch Screen malfunction.

Visual Inspection:

- Clean
- Cermetex Box (modem) is secure
- Double Check Valve secured to wall
- O-ring inspection and ensure 2 replacement O-rings in bag
- Attach VOC
- VOC Internal Standard $\leq 3.00\%$
- Replace missing screws
- Ensure modem cable present
- All tubing and connections secure
- 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): 29.25 Temperature (C): 22.0 Relative Humidity (%) 14

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

Notes: Replaced breath tube holder, O-Ring. First VOC failed due to interference detected. Touch screen seems to be working great.

Attach Non-Drinking Subject Test

Conclusion:

- Ready for Adjustment
- Needs Repair
- Ready for Calibration

Lab Work End Date: 2/19/25

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 #: 100352

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/19/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.25: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 661 psi

BLANK TEST	0.000	08:24
INTERNAL STANDARD	VERIFIED	08:24
EXTERNAL STANDARD	INTERFERENCE	08:24

Interference Detected

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
Breath Tube = 48.1°C	PASSED

PUMP INFO

Flow Rate = 4.899 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

State of Alaska

Serial #: 100352

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/19/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.24: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 665 psi

BLANK TEST	0.000	10:19
INTERNAL STANDARD	VERIFIED	10:20
Xq = 0.087 (1.84%)		
EXTERNAL STANDARD	0.079	10:20
X[1] = 0.0792 (-0.0023) (0.0011)		
BLANK TEST	0.000	10:21
EXTERNAL STANDARD	0.079	10:21
X[1] = 0.0791 (-0.0027) (0.0008)		
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.079	10:22
X[1] = 0.0790 (-0.0031) (0.0005)		
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.079	10:23
X[1] = 0.0788 (-0.0031) (-0.0002)		
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.079	10:24
X[1] = 0.0789 (-0.0027) (0.0004)		
BLANK TEST	0.000	10:25

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

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 = 48.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.80 V	PASSED
(1.09 V - 2.55 V)	
Cooler Voltage = 1.72 V	PASSED
(1.08 V - 2.52 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 511 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.926 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

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

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.087 1.53% (0.00% - 4.00%)	PASSED
----------------------------------	--------

LINEARITY CHECK

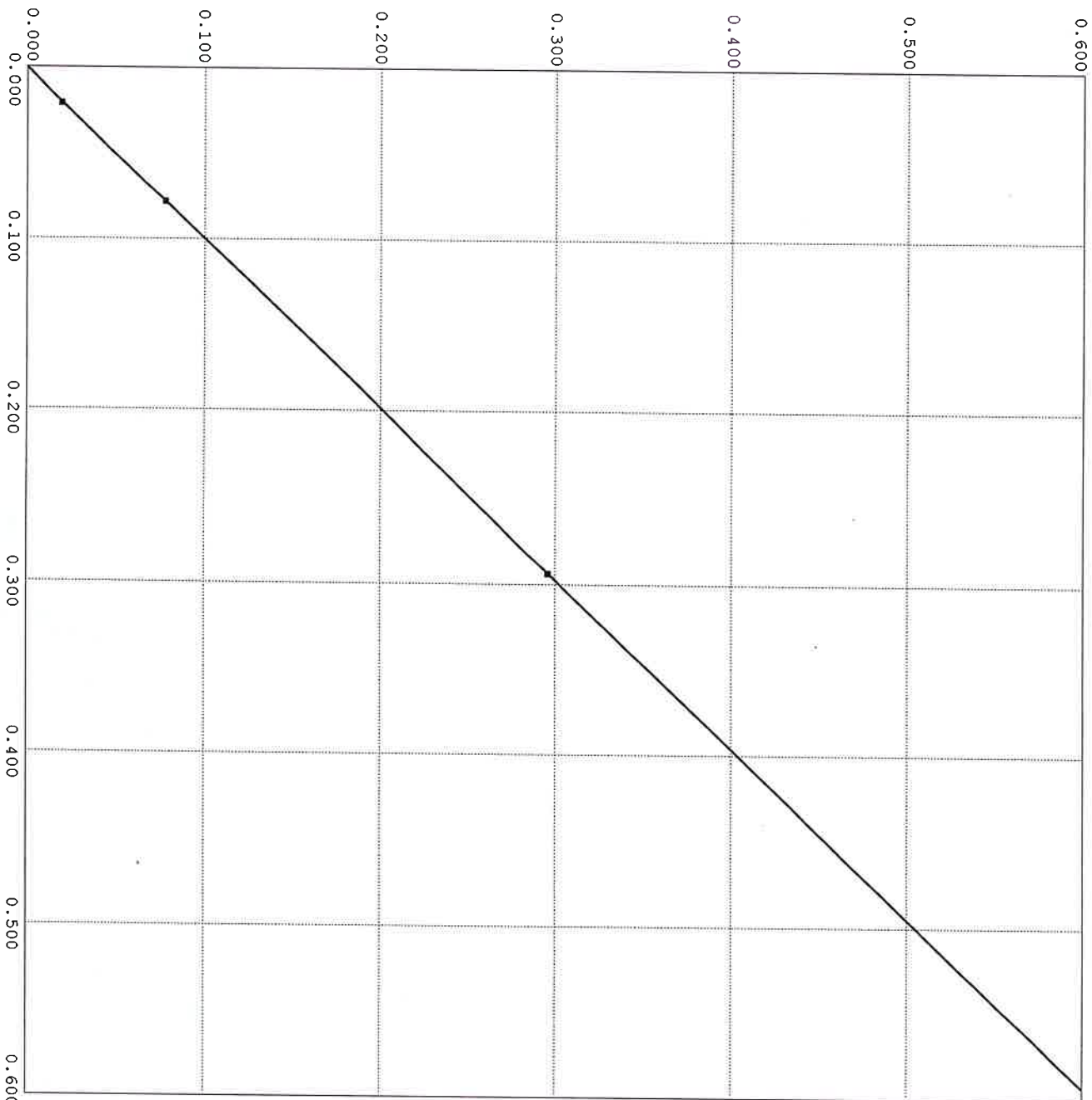
Alaska Department of Public Safety
DATAMASTER dmt: 100352

Date: 02/19/2025
Time: 10:30:57

SUPERVISOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.078	0.0790	0.0000
0.293	0.2966	0.0005

SLOPE = 1.012889
R² = 0.9999999



KS

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100352

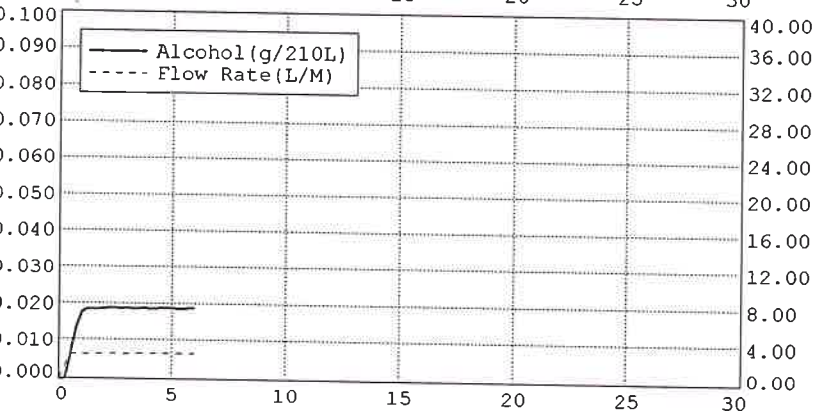
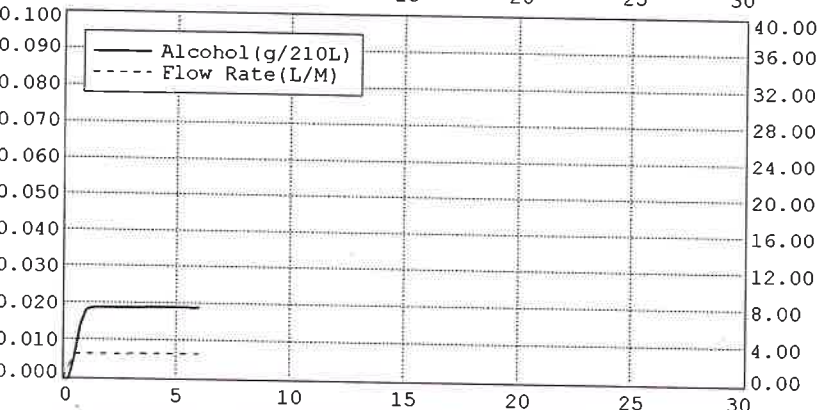
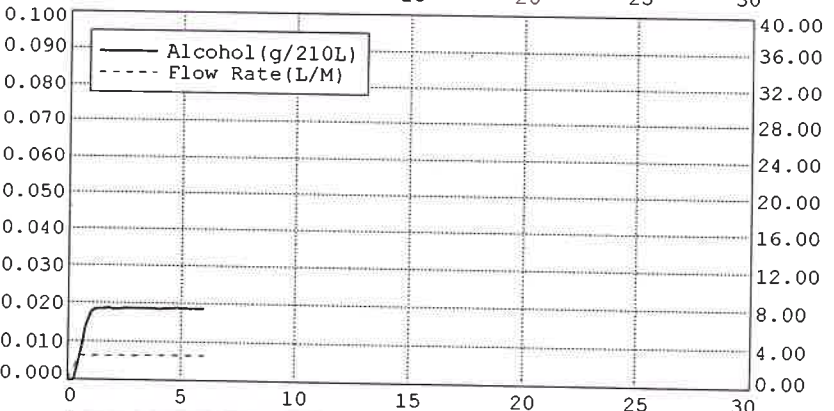
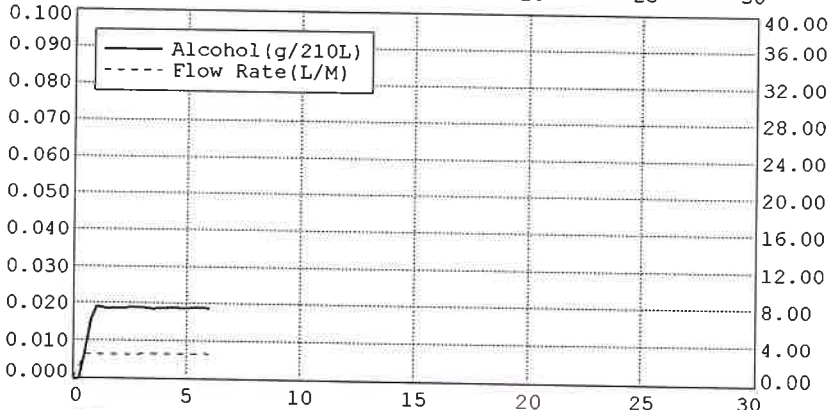
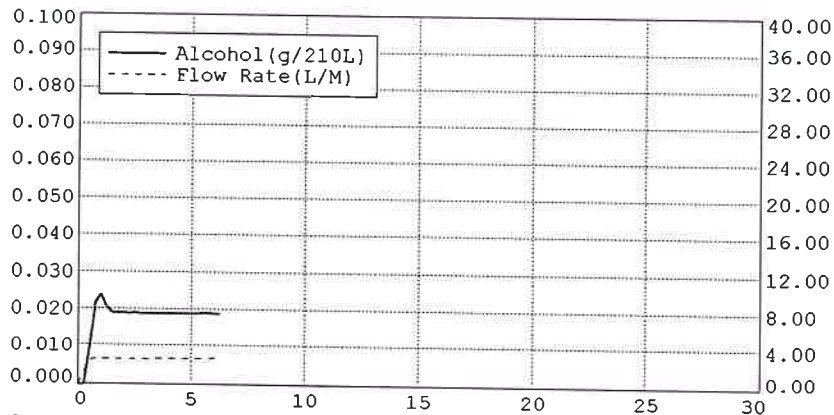
Date: 02/19/2025
 Time: 10:30:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.24: 0.020
 LOT #: AG408002
 EXPIRATION: 03/20/2026
 TANK PRESSURE: 543 psi

BLANK TEST	0.000	10:32
INTERNAL STANDARD	VERIFIED	10:32
EXTERNAL STANDARD	0.020	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.020	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.020	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.020	10:36
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.020	10:37
BLANK TEST	0.000	10:37

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100352

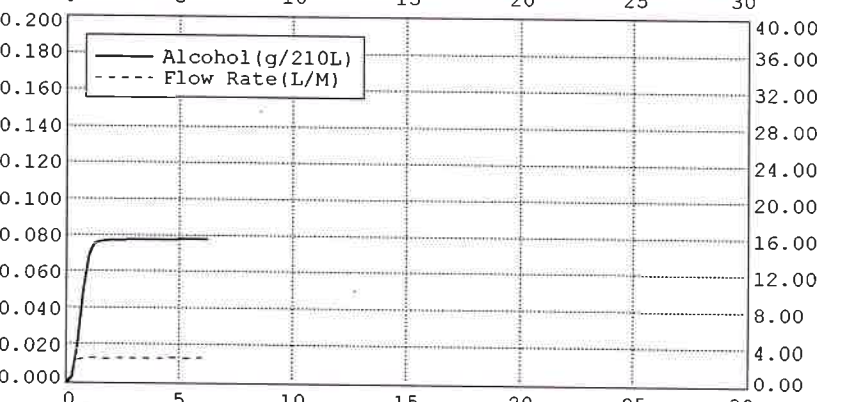
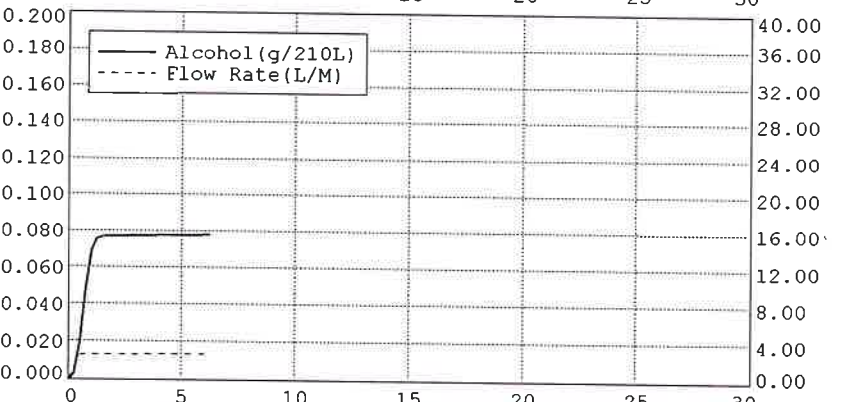
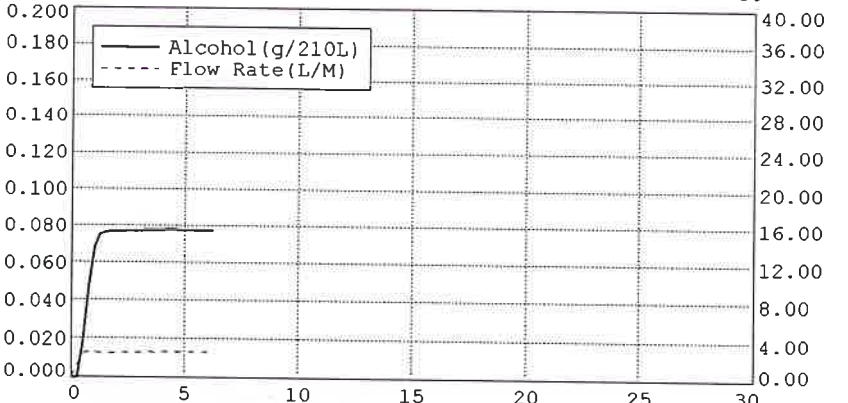
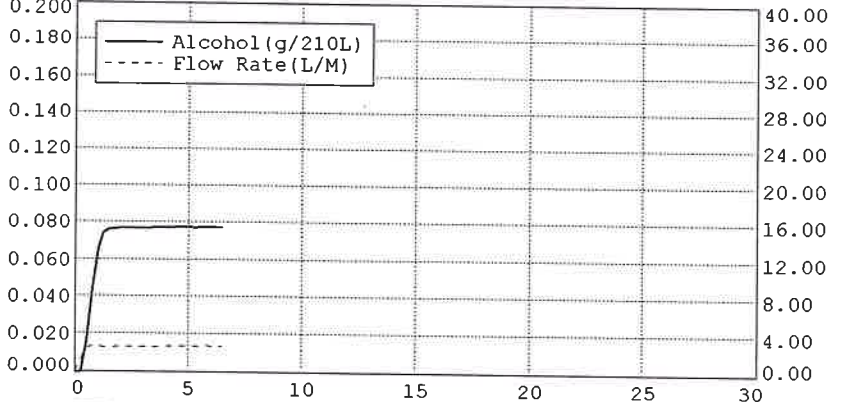
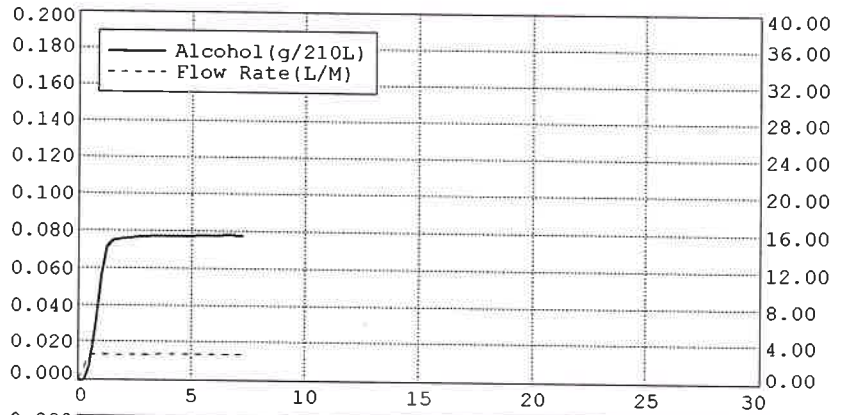
Date: 02/19/2025
 Time: 10:40:30

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.24: 0.078
 LOT #: AG335202
 EXPIRATION: 12/18/2025
 TANK PRESSURE: 642 psi

BLANK TEST	0.000	10:41
INTERNAL STANDARD	VERIFIED	10:41
EXTERNAL STANDARD	0.079	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.079	10:43
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.079	10:44
BLANK TEST	0.000	10:45
EXTERNAL STANDARD	0.079	10:45
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.079	10:46
BLANK TEST	0.000	10:47

Average = 0.0790
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100352

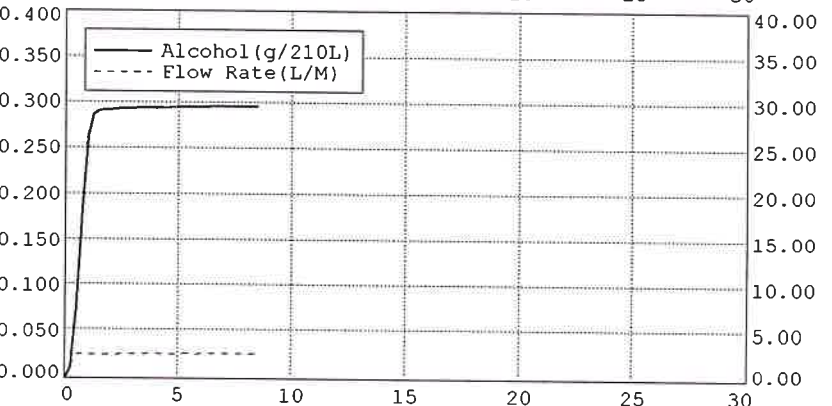
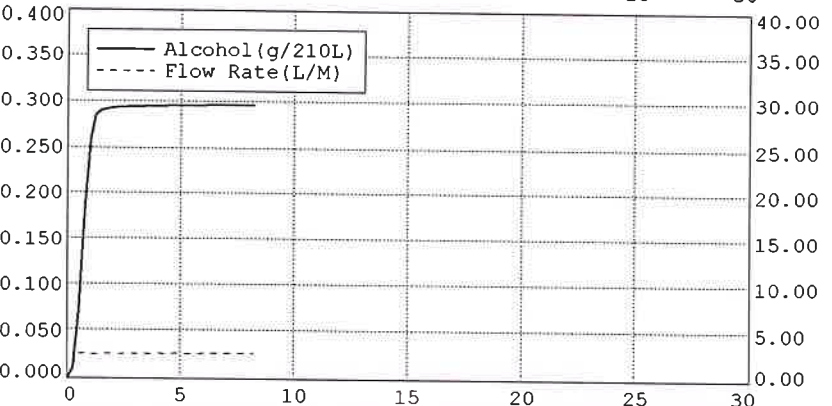
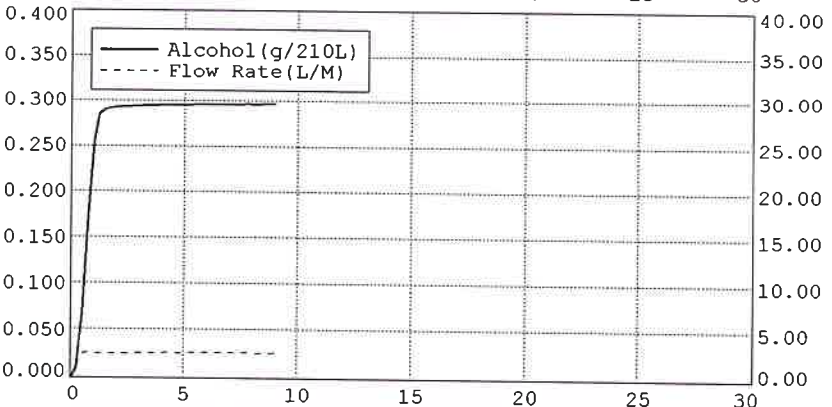
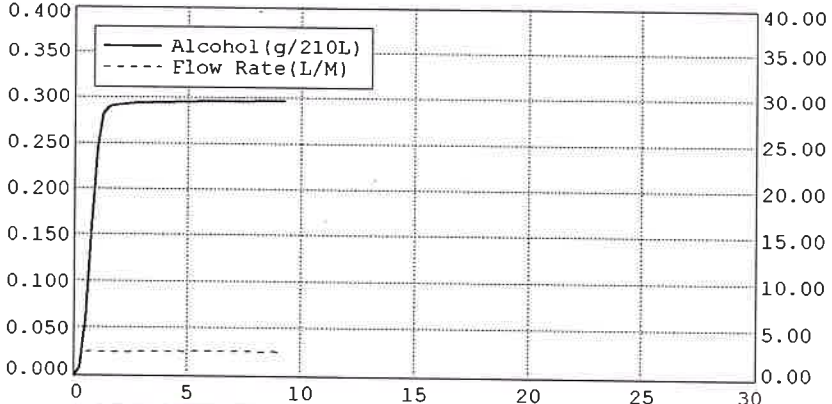
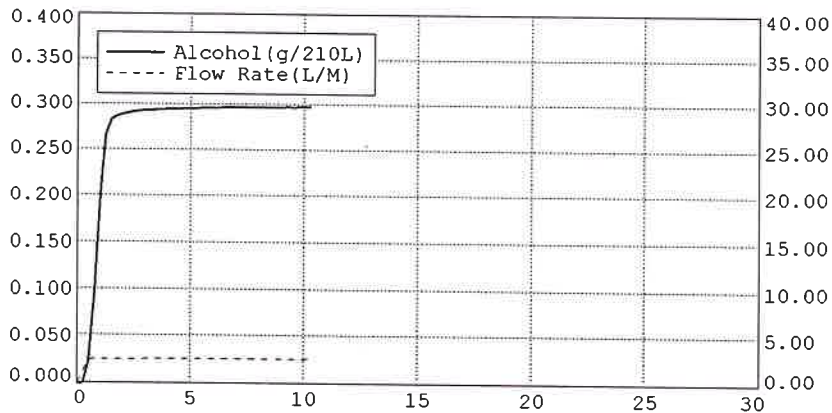
Date: 02/19/2025
 Time: 10:48:28

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.24: 0.293
 LOT #: AG427706
 EXPIRATION: 10/03/2026
 TANK PRESSURE: 439 psi

BLANK TEST	0.000	10:50
INTERNAL STANDARD	VERIFIED	10:50
EXTERNAL STANDARD	0.297	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.297	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.297	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.296	10:54
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.296	10:55
BLANK TEST	0.000	10:56

Average = 0.2966
 Std Dev = 0.0005



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100352

Date: 02/19/2025
Time: 10:59:35

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 29.24: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	11:00
BLANK TEST	0.000	11:00
INTERNAL STANDARD	VERIFIED	11:01
EXTERNAL STANDARD	0.080	11:01
BLANK TEST	0.000	11:02
SUBJECT SAMPLE (Vol=1.64L)	0.000	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.080	11:03
BLANK TEST	0.000	11:04

KS

