

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100349

Analyst/Technician(s): Carlie Glaister

Start Date: 2/22/24

Date Instrument Received: 2/20/24

Reason for instrument evaluation

Preventative maintenance

Visual Inspection:

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws | |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure | <input checked="" type="checkbox"/> Ensure modem cable present | |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure | |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | | |
| <input checked="" type="checkbox"/> Attach VOC | <input checked="" type="checkbox"/> VOC Internal Standard \leq 3.00% | <input checked="" type="checkbox"/> 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): 29.46 Temperature (C): 22.5 Relative Humidity (%) 12

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

Notes: Replaced o-rings

Attach Non-Drinking Subject Test

Conclusion:

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> Ready for Adjustment | <input type="checkbox"/> Needs Repair |
| <input checked="" type="checkbox"/> Ready for Calibration | |

Lab Work End Date: 2/22/24

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100349

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/22/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.28: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 393 psi

BLANK TEST	0.000	10:45
INTERNAL STANDARD	VERIFIED	10:45
Xq = 0.077 (1.14%)		
EXTERNAL STANDARD	0.076	10:45
X[1] = 0.0757 (-0.0004) (0.0032)		
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.076	10:46
X[1] = 0.0758 (0.0003) (0.0032)		
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.076	10:47
X[1] = 0.0756 (-0.0011) (0.0031)		
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.076	10:48
X[1] = 0.0756 (-0.0010) (0.0025)		
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.076	10:49
X[1] = 0.0764 (0.0013) (0.0028)		
BLANK TEST	0.000	10:50

Average = 0.0760
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 47.7°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 1.75 V (1.05 V - 2.45 V)	PASSED
Cooler Voltage = 1.68 V (1.03 V - 2.39 V)	PASSED
Bias Voltage = 80 V (48 V - 112 V)	PASSED
Chopper Freq = 522 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.405 L/M (3.500 L/M - 6.500 L/M)	PASSED
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DETECTOR INFO

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

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.077 1.02% (0.00% - 4.00%)

LINEARITY CHECK

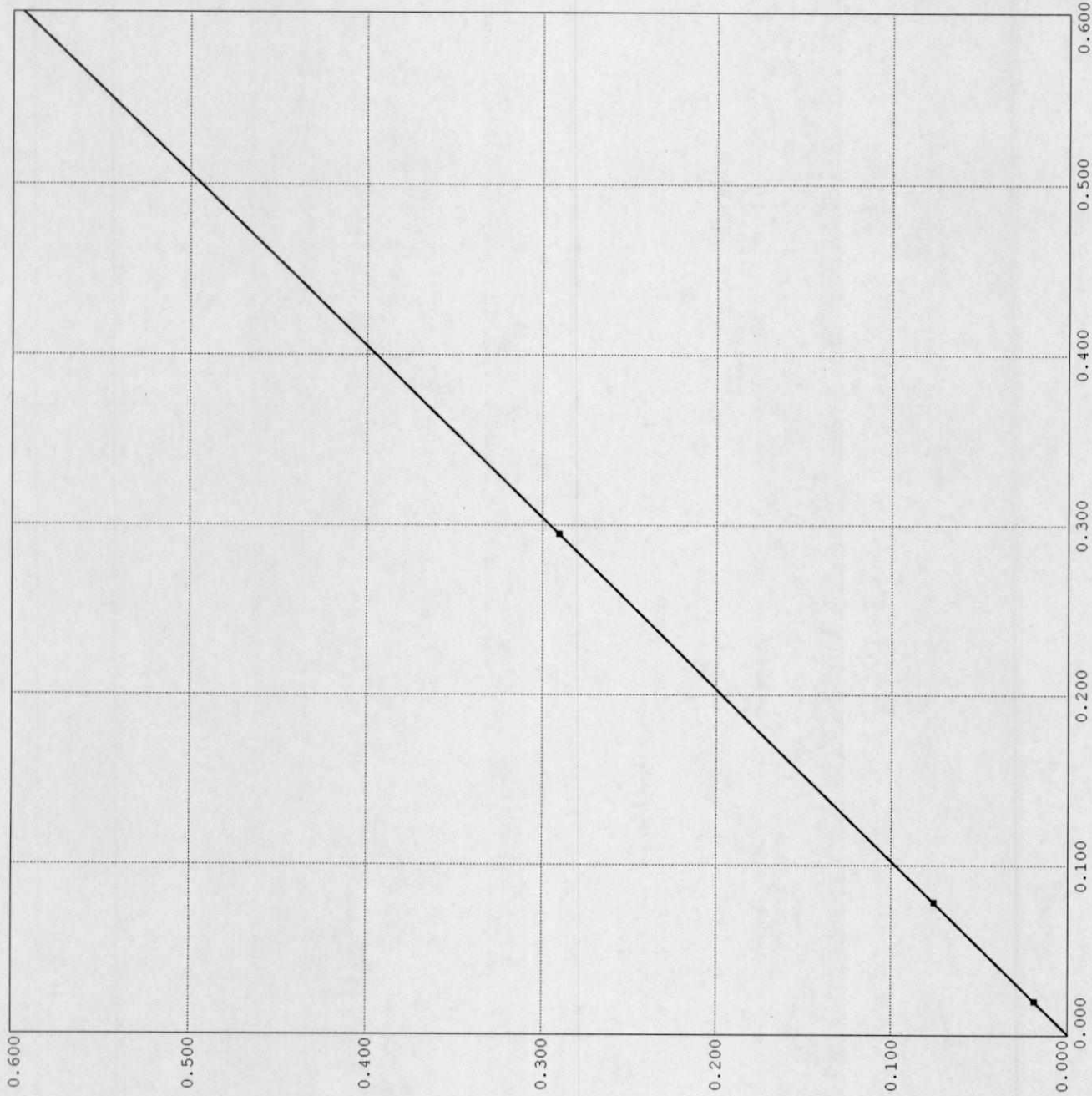
 Alaska Department of Public Safety
 DATAMASTER dmt: 100349

Date: 02/22/2024
 Time: 12:22:56

SUPERVISOR NAME:
 CARLIE GLAISTER
 OPERATOR'S #: 10436

TARGET	AVERAGE	STD. DEV.
0.020	0.0196	0.0005
0.078	0.0768	0.0004
0.294	0.2912	0.0004

SLOPE = 0.991610
 R² = 0.999999



OK6

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100349

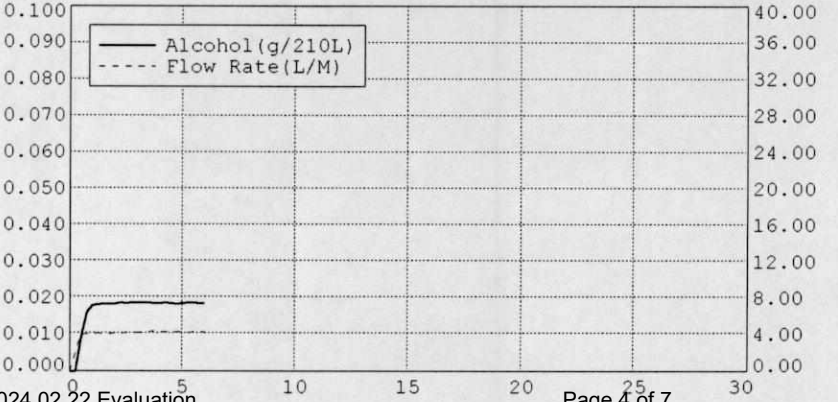
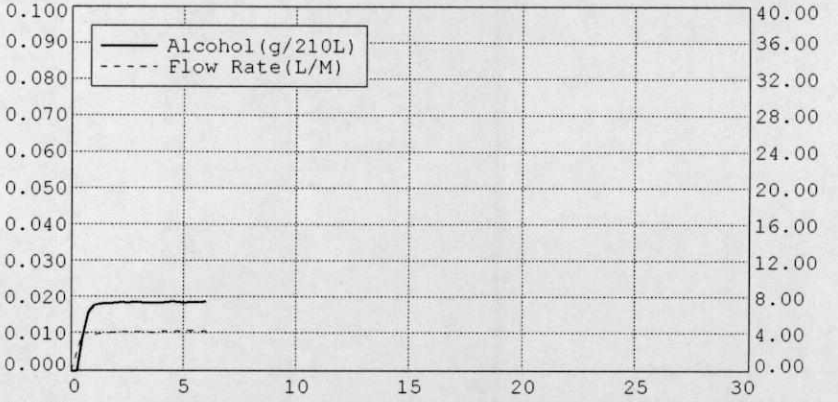
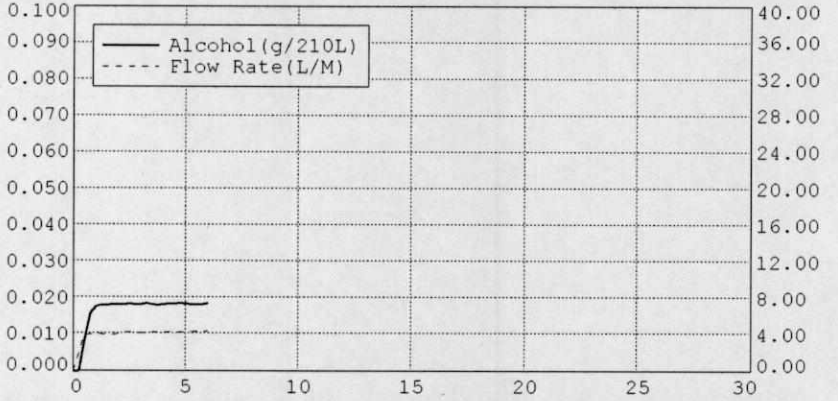
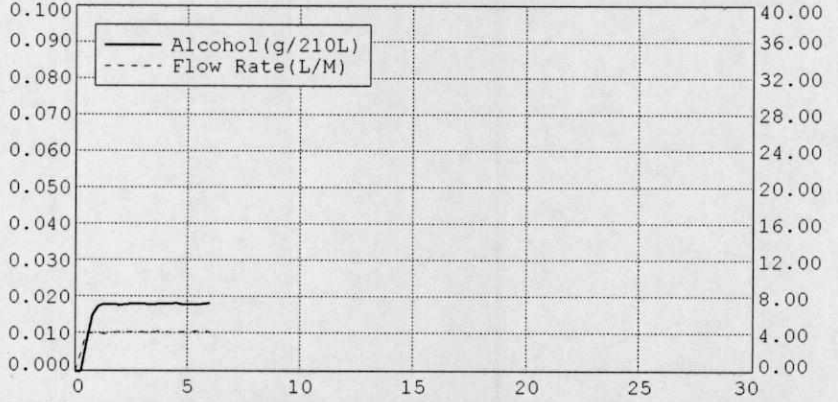
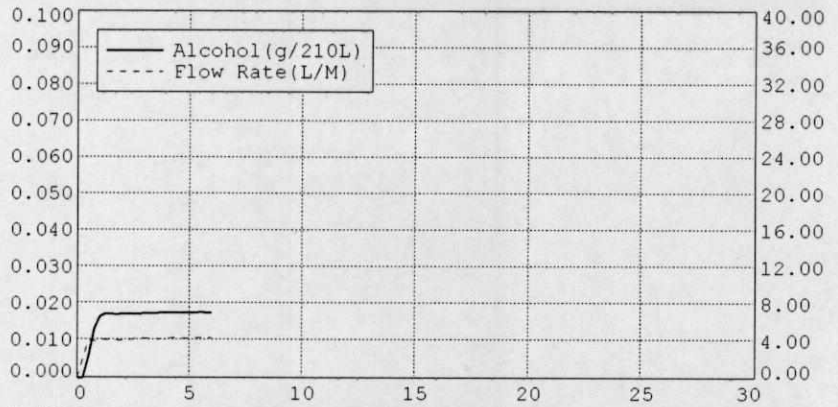
Date: 02/22/2024
 Time: 12:22:59

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.33: 0.020
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 298 psi

BLANK TEST	0.000	12:24
INTERNAL STANDARD	VERIFIED	12:24
EXTERNAL STANDARD	0.019	12:24
BLANK TEST	0.000	12:25
EXTERNAL STANDARD	0.019	12:25
BLANK TEST	0.000	12:26
EXTERNAL STANDARD	0.020	12:26
BLANK TEST	0.000	12:27
EXTERNAL STANDARD	0.020	12:27
BLANK TEST	0.000	12:28
EXTERNAL STANDARD	0.020	12:28
BLANK TEST	0.000	12:29

Average = 0.0196
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100349

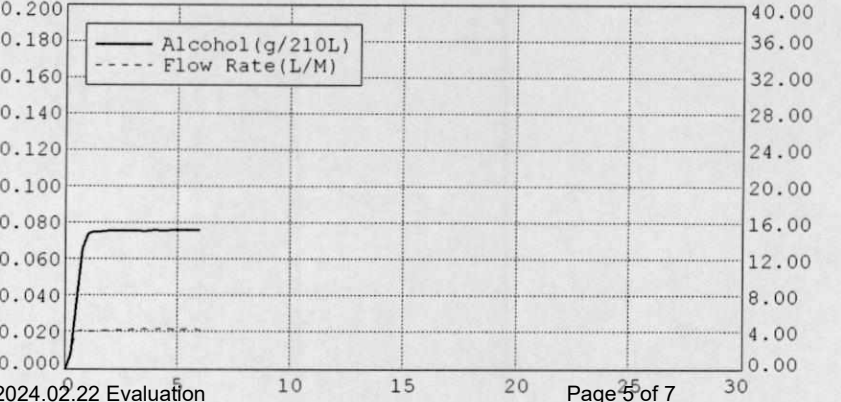
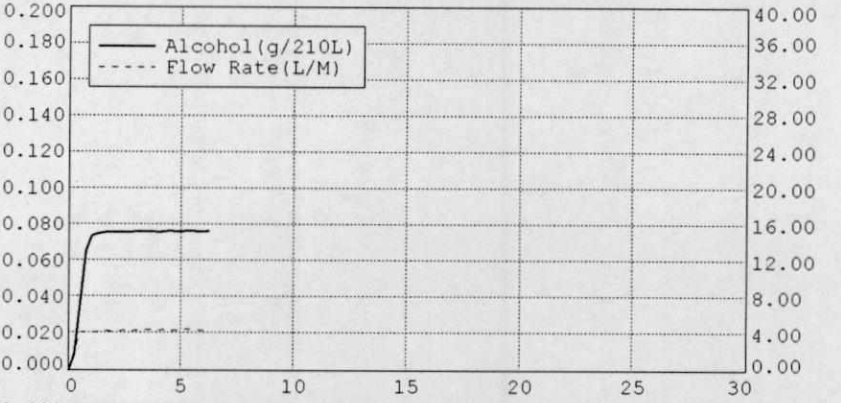
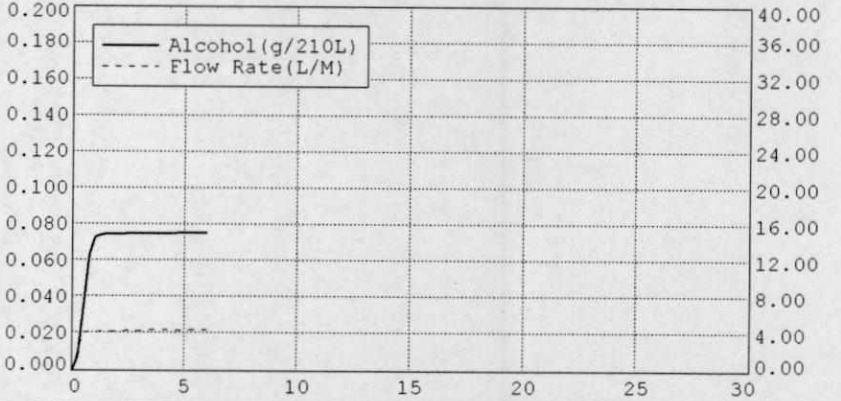
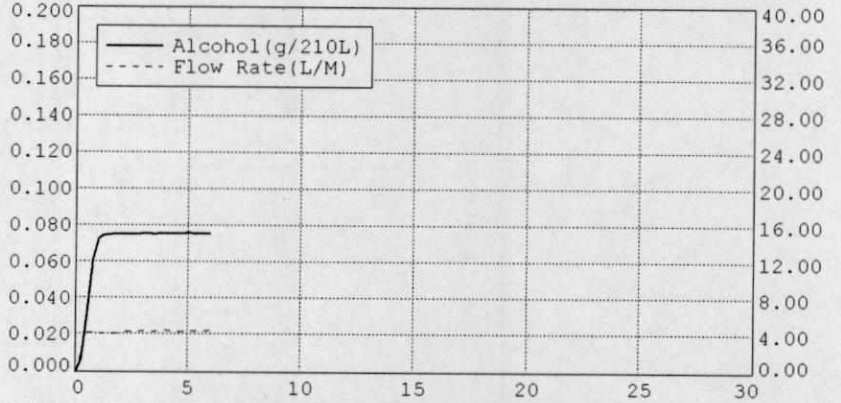
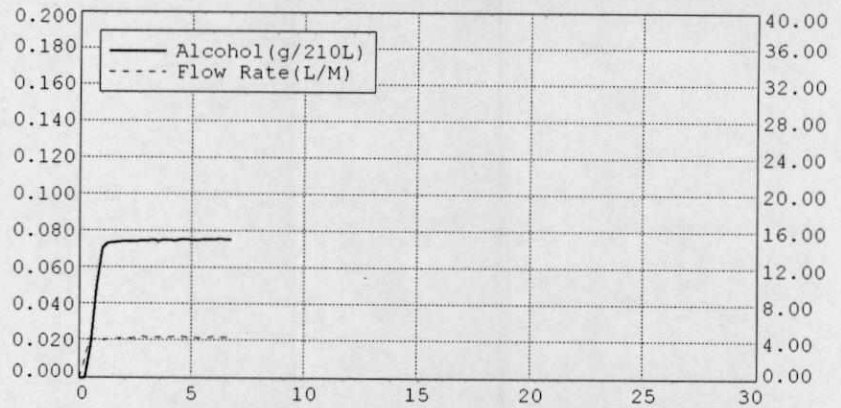
Date: 02/22/2024
 Time: 12:30:31

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.33: 0.078
 LOT #: AG310901
 EXPIRATION: 04/19/2025
 TANK PRESSURE: 365 psi

BLANK TEST	0.000	12:32
INTERNAL STANDARD	VERIFIED	12:32
EXTERNAL STANDARD	0.076	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.077	12:34
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.077	12:35
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.077	12:36
BLANK TEST	0.000	12:37
EXTERNAL STANDARD	0.077	12:37
BLANK TEST	0.000	12:38

Average = 0.0768
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100349

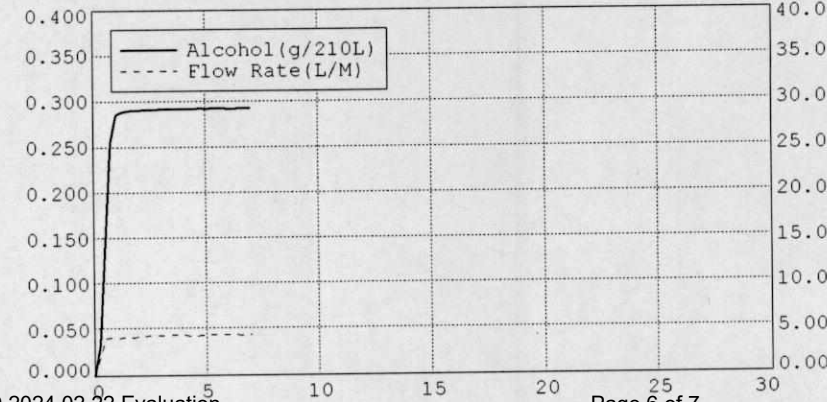
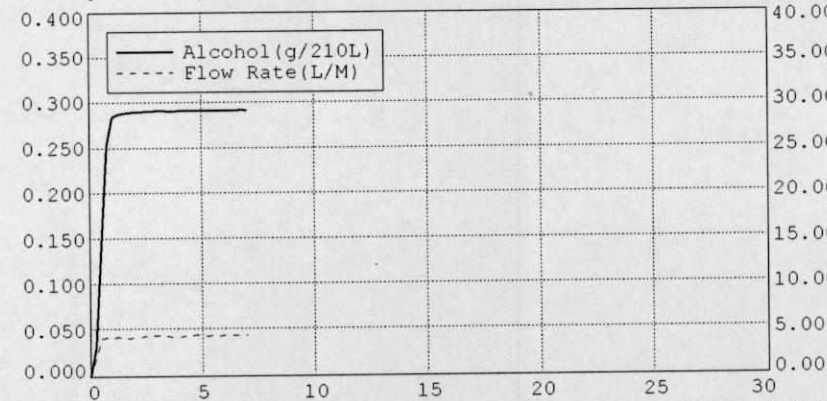
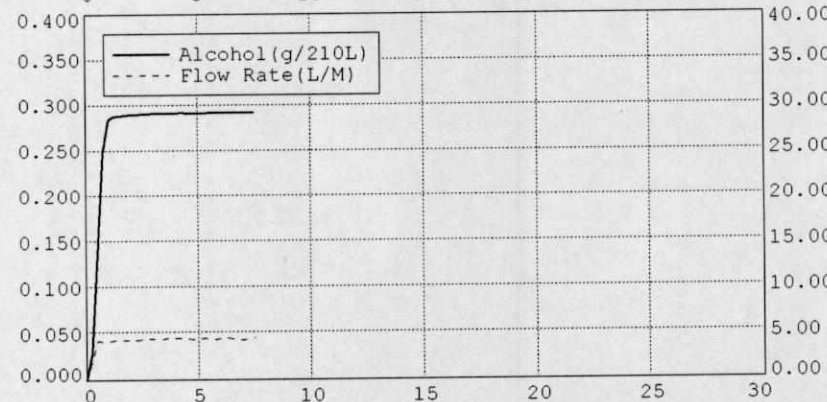
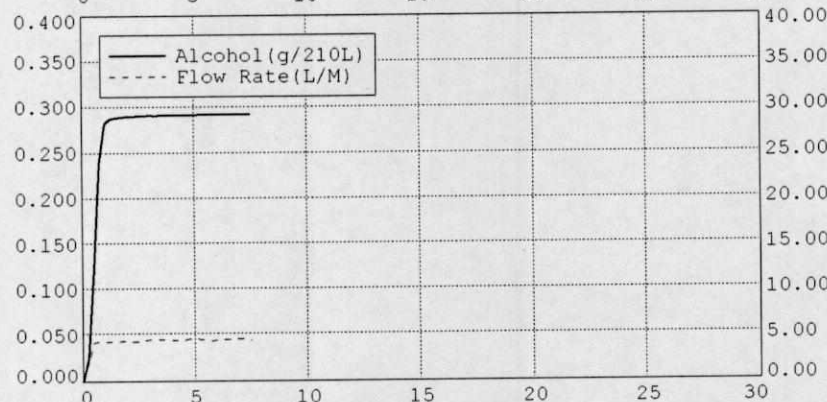
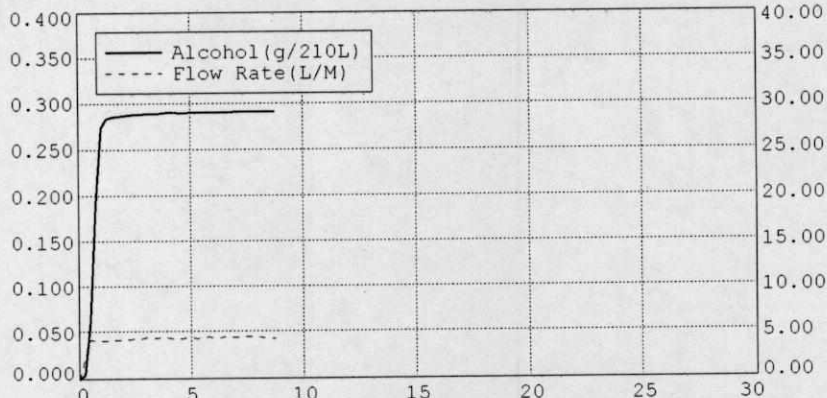
Date: 02/22/2024
 Time: 12:43:34

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.34: 0.294
 LOT #: AG327804
 EXPIRATION: 10/05/2025
 TANK PRESSURE: 377 psi

BLANK TEST	0.000	12:44
INTERNAL STANDARD	VERIFIED	12:44
EXTERNAL STANDARD	0.291	12:45
BLANK TEST	0.000	12:46
EXTERNAL STANDARD	0.291	12:46
BLANK TEST	0.000	12:47
EXTERNAL STANDARD	0.291	12:47
BLANK TEST	0.000	12:48
EXTERNAL STANDARD	0.291	12:48
BLANK TEST	0.000	12:49
EXTERNAL STANDARD	0.292	12:49
BLANK TEST	0.000	12:50

Average = 0.2912
 Std Dev = 0.0004



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100349

Date: 02/22/2024
Time: 12:56:01

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.34: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025

DIAGNOSTIC CHECK	PASSED	12:57
BLANK TEST	0.000	12:57
INTERNAL STANDARD	VERIFIED	12:57
EXTERNAL STANDARD	0.077	12:58
BLANK TEST	0.000	12:59
SUBJECT SAMPLE (Vol=1.52L)	0.000	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.078	13:00
BLANK TEST	0.000	13:01

CVG

