

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 1/18/2024

Version: 4.0

Instrument #: 100354

Analyst/Technician(s): Kaja Smsher

Start Date: 3/28/24

Supervised by Curkic
Glaister

Date Instrument Received: 3/8/24

Reason for instrument evaluation

Preventive Maintenance.

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): 29.60 Temperature (C): 20.1 Relative Humidity (%) 25

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

Notes: Replaced O-Ring.

Attach Non-Drinking Subject Test

Conclusion:

- Ready for Adjustment
- Needs Repair
- Ready for Calibration

Lab Work End Date: 3/28/24

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100354

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/28/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.67: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 555 psi

BLANK TEST	0.000	09:18
INTERNAL STANDARD	VERIFIED	09:18
Xq = 0.097 (1.74%)		
EXTERNAL STANDARD	0.077	09:19
X[1] = 0.0769 (-0.0015) (0.0031)		
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.077	09:20
X[1] = 0.0768 (-0.0017) (0.0029)		
BLANK TEST	0.000	09:21
EXTERNAL STANDARD	0.077	09:21
X[1] = 0.0770 (-0.0012) (0.0026)		
BLANK TEST	0.000	09:22
EXTERNAL STANDARD	0.077	09:22
X[1] = 0.0772 (-0.0013) (0.0025)		
BLANK TEST	0.000	09:23
EXTERNAL STANDARD	0.077	09:23
X[1] = 0.0773 (-0.0016) (0.0029)		
BLANK TEST	0.000	09:24

Average = 0.0770
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.64 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.53 V	PASSED
(0.95 V - 2.21 V)	
Bias Voltage = 78 V	PASSED
(47 V - 111 V)	
Chopper Freq = 538 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.781 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.096 1.19%	PASSED
(0.00% - 4.00%)	

LINEARITY CHECK

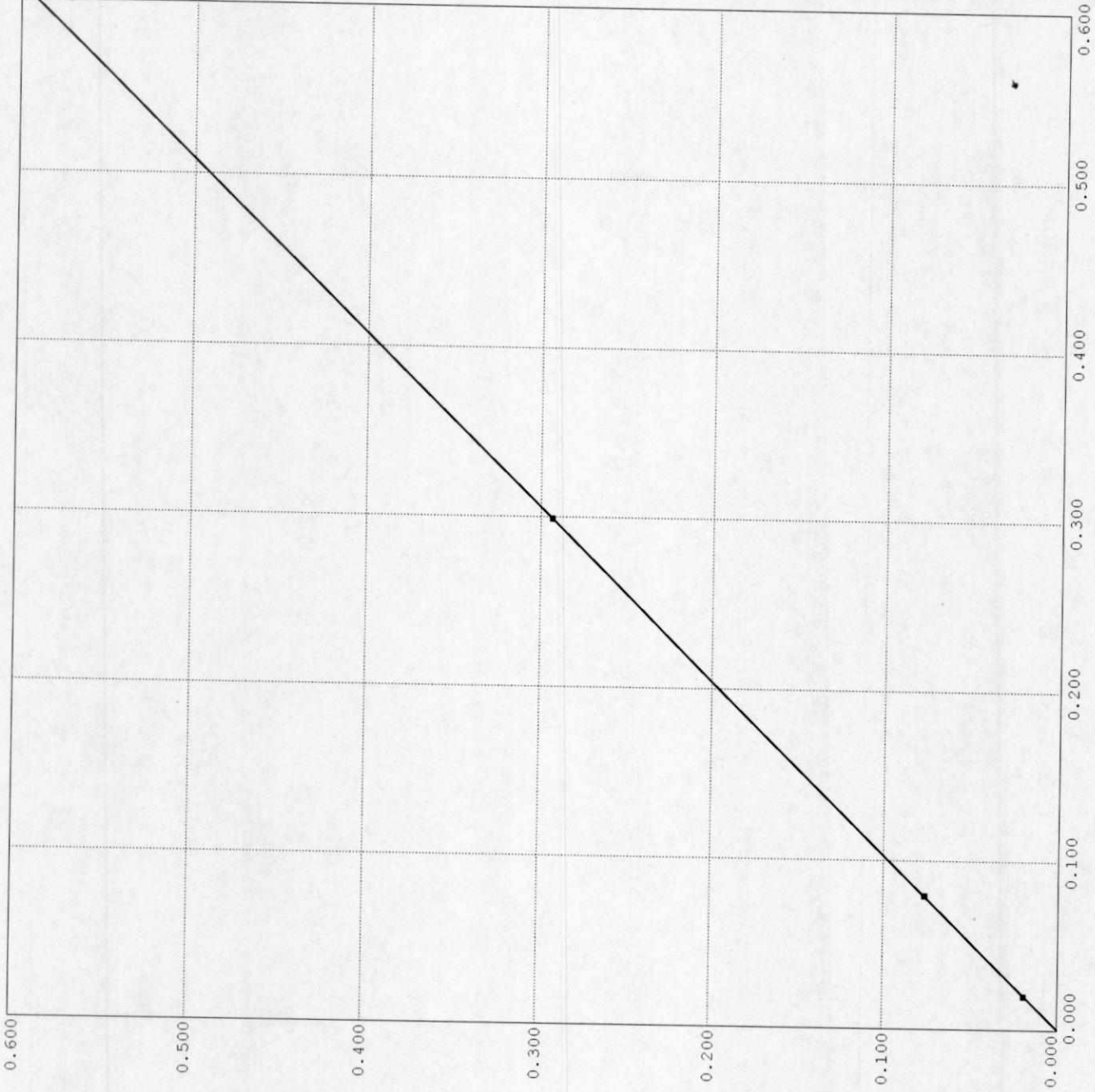
 Alaska Department of Public Safety
 DATAMASTER dmt: 100354

Date: 03/28/2024
 Time: 09:39:20

SUPERVISOR NAME:
 KAIJA SWISHER
 OPERATOR'S #: 10746

TARGET	AVERAGE	STD. DEV.
0.020	0.0200	0.0000
0.079	0.0772	0.0004
0.298	0.2940	0.0000

SLOPE = 0.986794
 R² = 0.999987



45

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

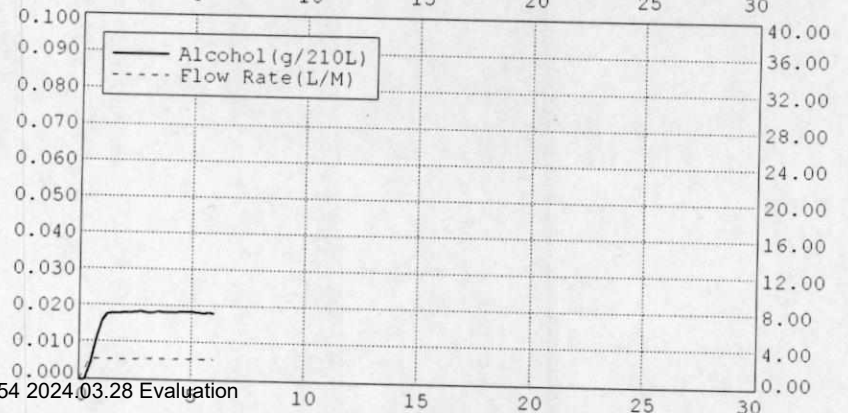
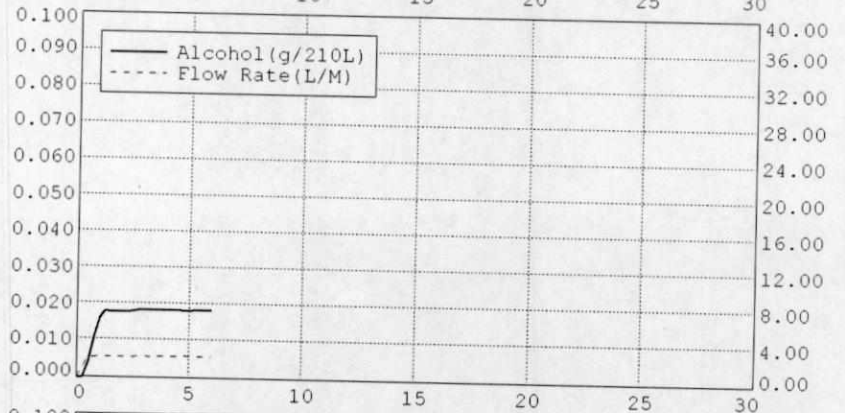
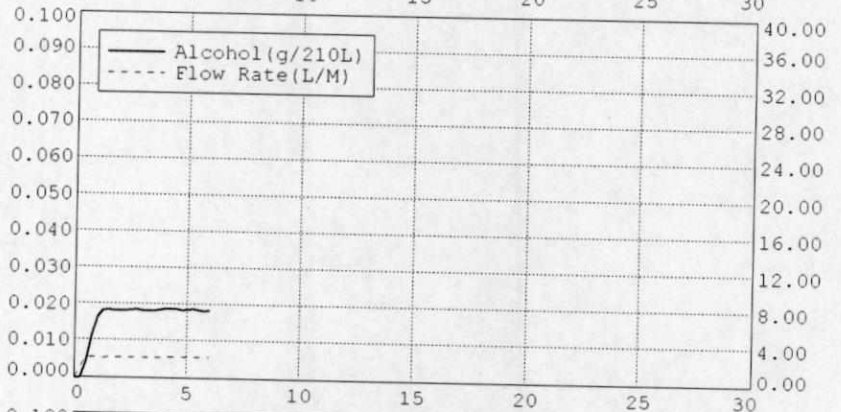
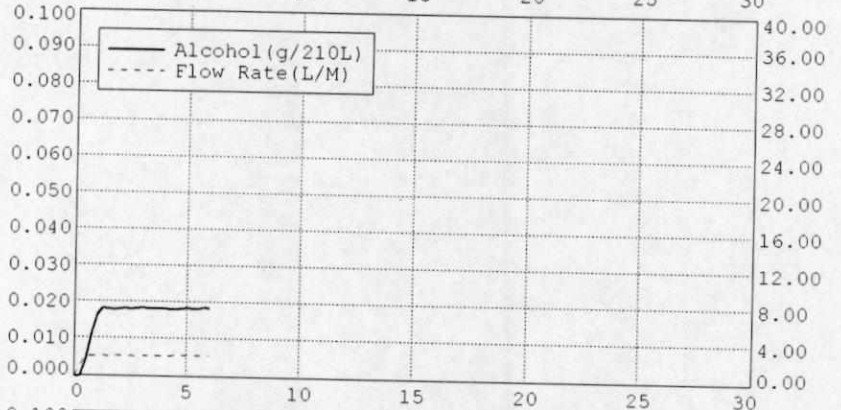
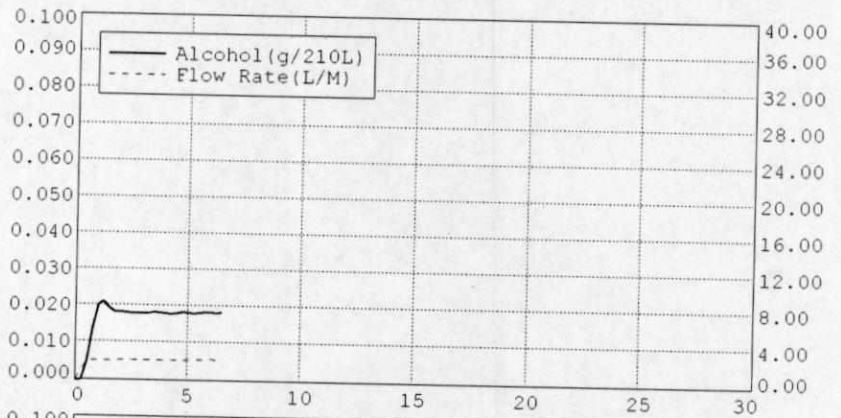
Date: 03/28/2024
 Time: 09:39:22

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.67: 0.020
 LOT #: AG217902
 EXPIRATION: 06/28/2024
 TANK PRESSURE: 229 psi

BLANK TEST	0.000	09:40
INTERNAL STANDARD	VERIFIED	09:40
EXTERNAL STANDARD	0.020	09:40
BLANK TEST	0.000	09:41
EXTERNAL STANDARD	0.020	09:42
BLANK TEST	0.000	09:42
EXTERNAL STANDARD	0.020	09:43
BLANK TEST	0.000	09:44
EXTERNAL STANDARD	0.020	09:44
BLANK TEST	0.000	09:45
EXTERNAL STANDARD	0.020	09:45
BLANK TEST	0.000	09:46

Average = 0.0200
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

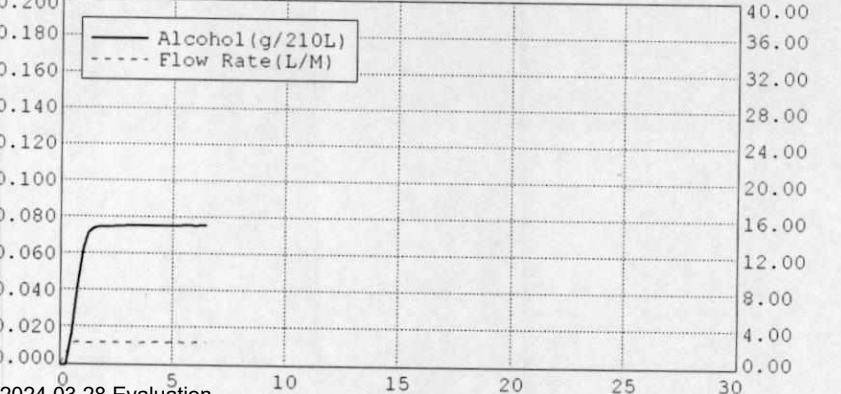
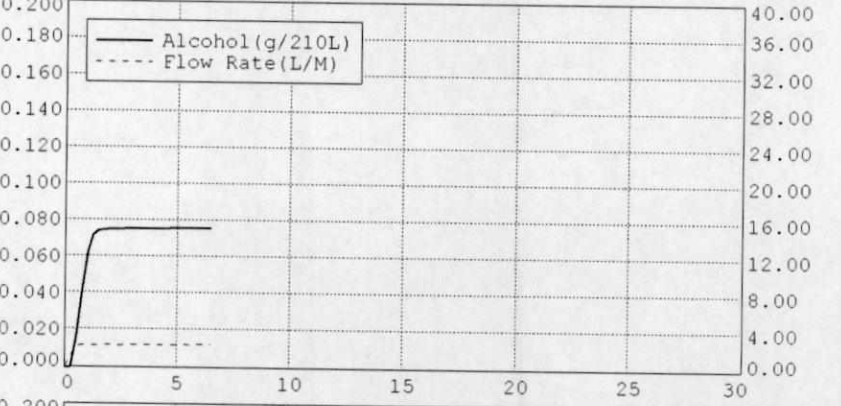
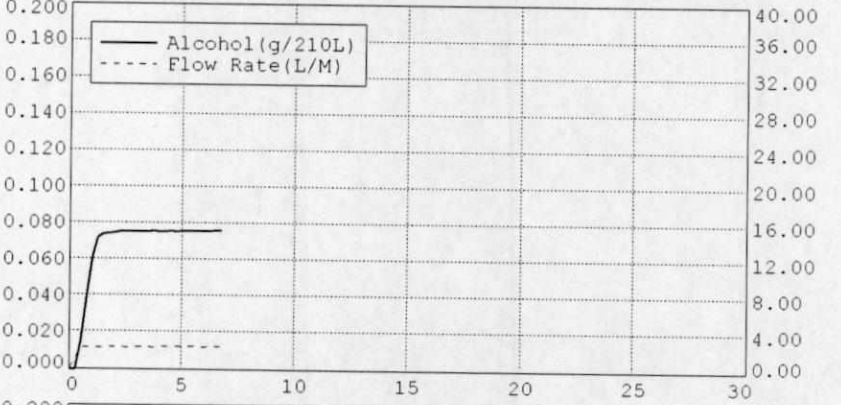
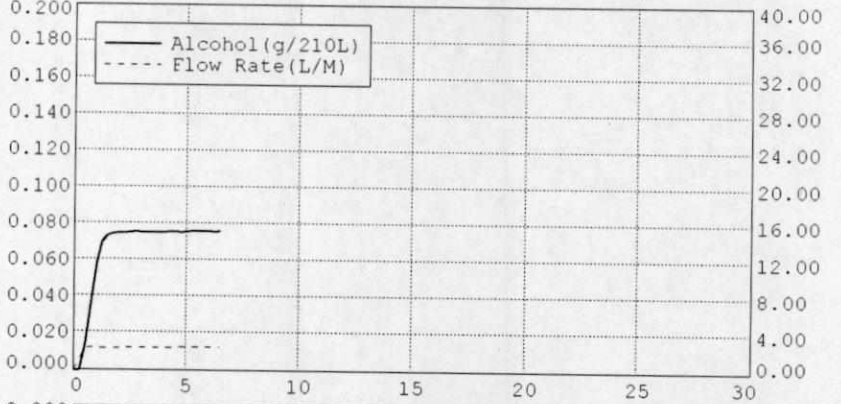
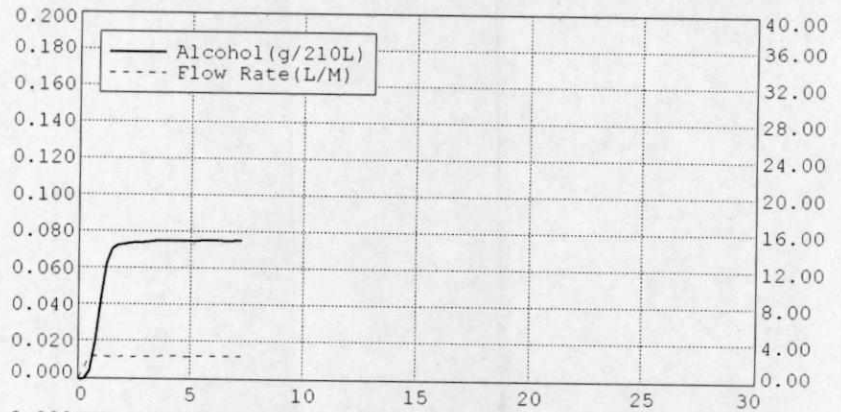
Date: 03/28/2024
 Time: 09:49:57

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
 TARGET AT 29.68: 0.079
 LOT #: AG310901
 EXPIRATION: 04/19/2025
 TANK PRESSURE: 539 psi

BLANK TEST	0.000	09:50
INTERNAL STANDARD	VERIFIED	09:51
EXTERNAL STANDARD	0.077	09:51
BLANK TEST	0.000	09:52
EXTERNAL STANDARD	0.077	09:52
BLANK TEST	0.000	09:53
EXTERNAL STANDARD	0.078	09:53
BLANK TEST	0.000	09:54
EXTERNAL STANDARD	0.077	09:54
BLANK TEST	0.000	09:55
EXTERNAL STANDARD	0.077	09:55
BLANK TEST	0.000	09:56

Average = 0.0772
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100354

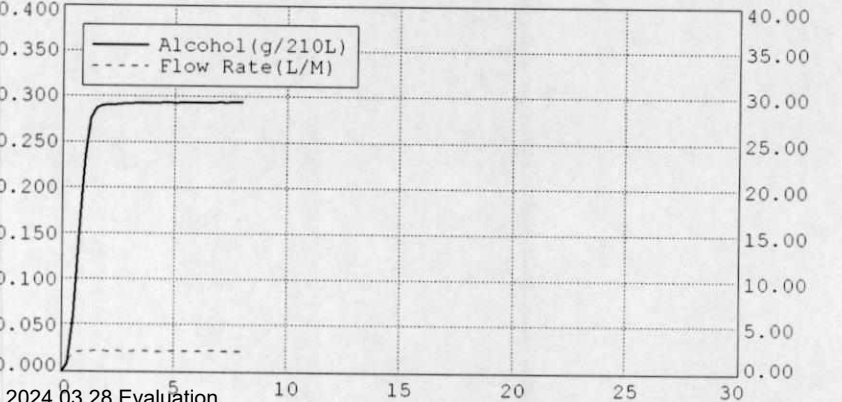
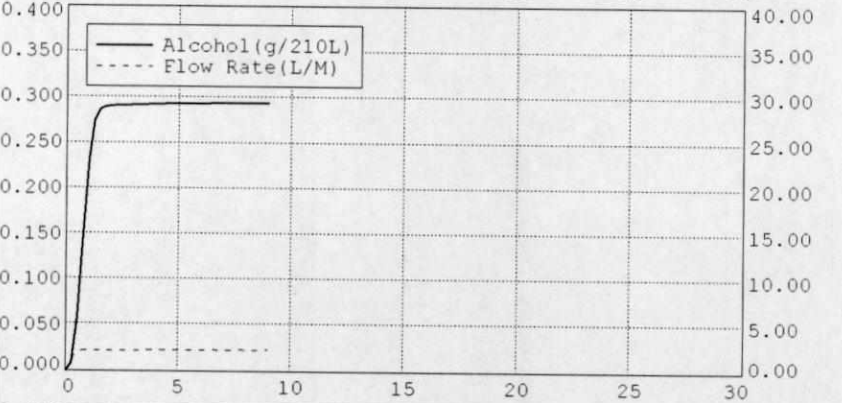
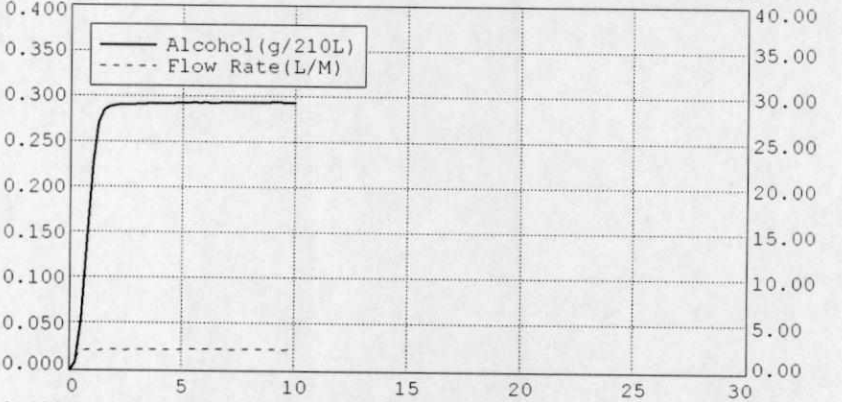
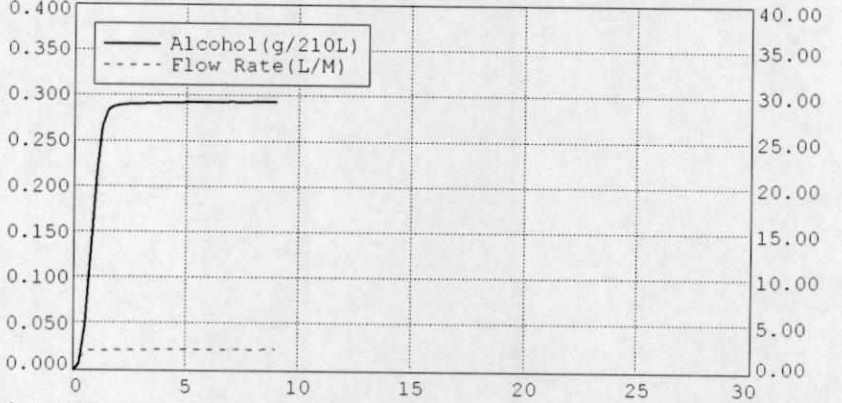
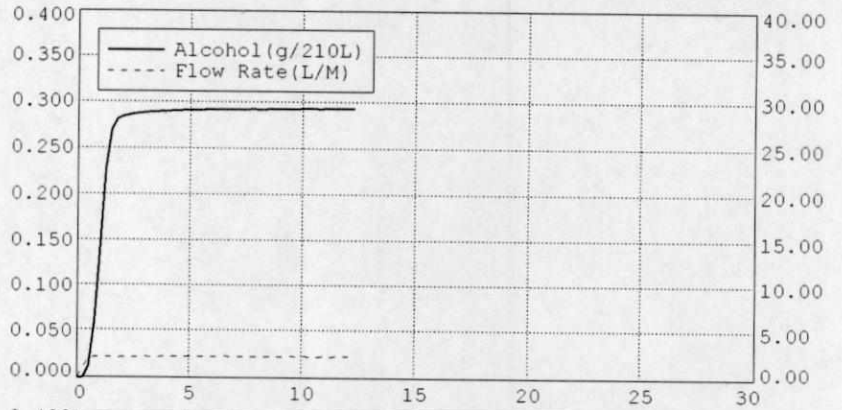
Date: 03/28/2024
 Time: 09:57:51

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.300
 TARGET AT 29.67: 0.298
 LOT #: AG327804
 EXPIRATION: 10/05/2025
 TANK PRESSURE: 293 psi

BLANK TEST	0.000	09:59
INTERNAL STANDARD	VERIFIED	09:59
EXTERNAL STANDARD	0.294	09:59
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.294	10:00
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.294	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.294	10:03
BLANK TEST	0.000	10:04
EXTERNAL STANDARD	0.294	10:04
BLANK TEST	0.000	10:05

Average = 0.2940
 Std Dev = 0.0000



SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100354

Date: 03/28/2024

Time: 10:10:43

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 29.67: 0.079

LOT #: AG310901

EXPIRATION: 04/19/2025

DIAGNOSTIC CHECK

PASSED

0.000

10:12

INTERNAL STANDARD

VERIFIED

0.078

10:12

10:12

10:13

10:14

10:15

10:15

10:16

0.000

0.078

0.000

0.000

0.000

0.078

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

KS

