

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100423
Start Date: 7/25/23

Analyst(s): C. O Bryant

Reason for Repair

Failed 0.300 during calibration, repeatedly

Troubleshooting/Repair

Ran a VOC + 2X supervisor tests on 0.300 tank. 0.300 level failed twice with blank errors.

- | | |
|--|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value \leq 3.00% | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input checked="" type="checkbox"/> Ready for Adjustment | <input type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Further Repair Needed | <input type="checkbox"/> Return to Factory |
| <input type="checkbox"/> Proceed to Close Out | |

End Date: 7/26/23

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100423

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/25/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.79: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 664 psi

BLANK TEST	0.000	15:34
INTERNAL STANDARD	VERIFIED	15:34
Xq = 0.095	(1.59%)	
EXTERNAL STANDARD	0.078	15:35
X[1] = 0.0781	(0.0018) (0.0021)	
BLANK TEST	0.000	15:36
EXTERNAL STANDARD	0.076	15:36
X[1] = 0.0764	(0.0006) (0.0016)	
BLANK TEST	0.000	15:37
EXTERNAL STANDARD	0.077	15:37
X[1] = 0.0766	(0.0009) (0.0019)	
BLANK TEST	0.000	15:38
EXTERNAL STANDARD	0.076	15:38
X[1] = 0.0759	(0.0002) (0.0008)	
BLANK TEST	0.000	15:39
EXTERNAL STANDARD	0.076	15:39
X[1] = 0.0762	(0.0006) (0.0012)	
BLANK TEST	0.000	15:40

Average = 0.0766
Std Dev = 0.0009

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.84 V	PASSED
(1.09 V - 2.53 V)	
Cooler Voltage = 1.56 V	PASSED
(0.97 V - 2.25 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.428 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.094	(0.75%) (0.00% - 4.00%)

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100423

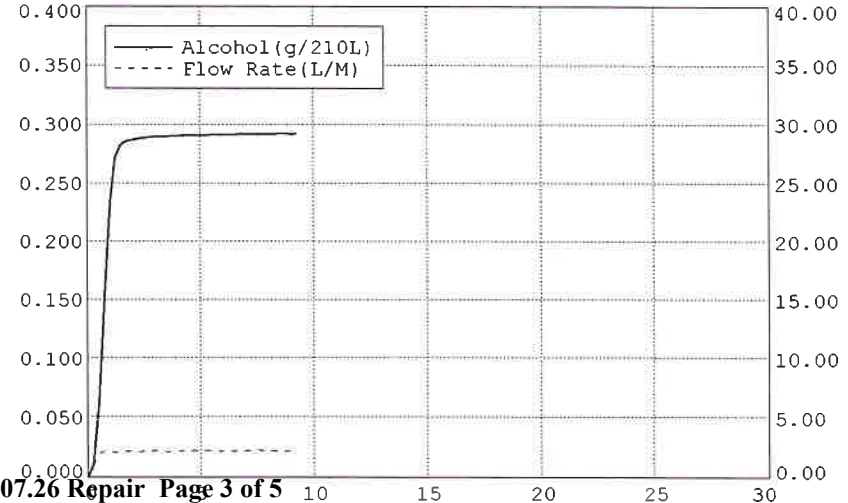
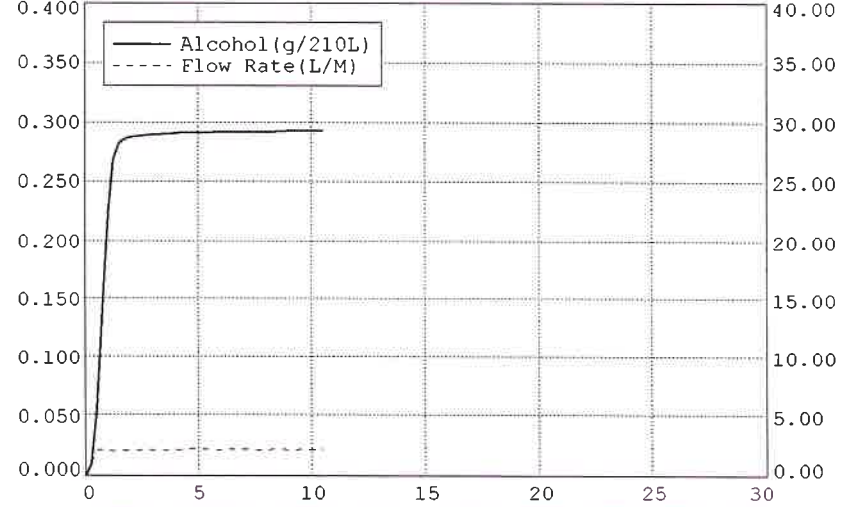
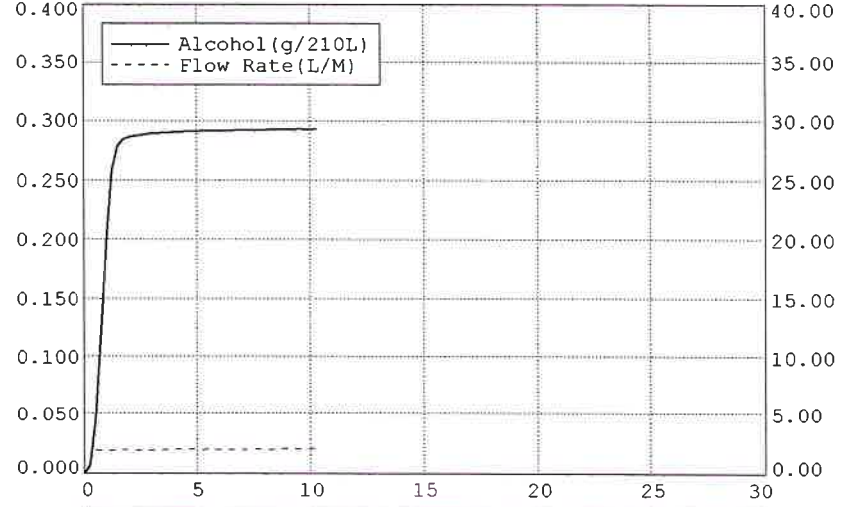
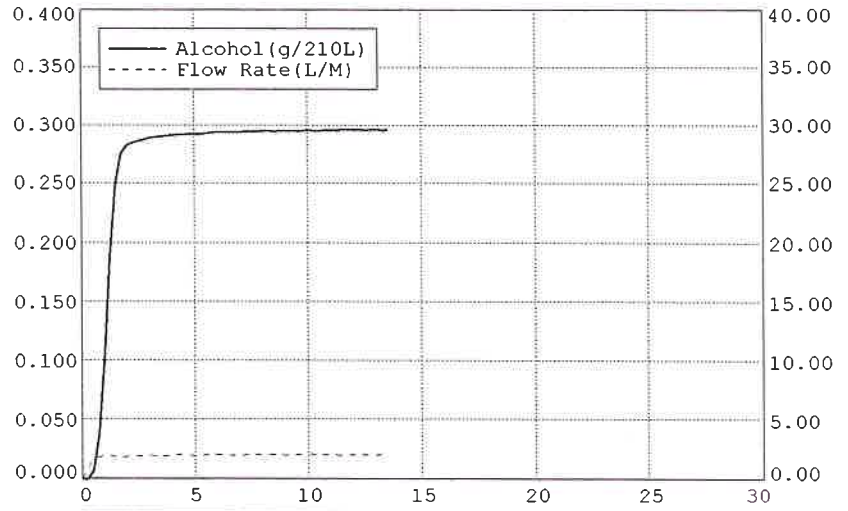
Date: 07/25/2023
Time: 15:42:13

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.79: 0.299
TANK PRESSURE: 149 psi

BLANK TEST	0.000	15:43
INTERNAL STANDARD	VERIFIED	15:43
EXTERNAL STANDARD	0.294	15:43
BLANK TEST	0.000	15:44
EXTERNAL STANDARD	0.291	15:44
BLANK TEST	0.000	15:45
EXTERNAL STANDARD	0.291	15:46
BLANK TEST	0.000	15:47
EXTERNAL STANDARD	0.290	15:47

Blank Error



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100423

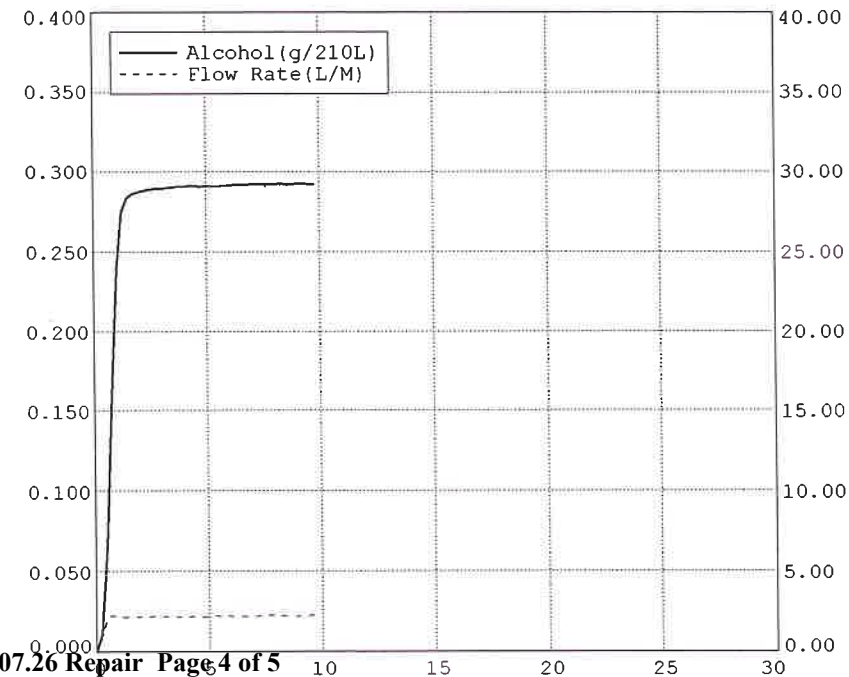
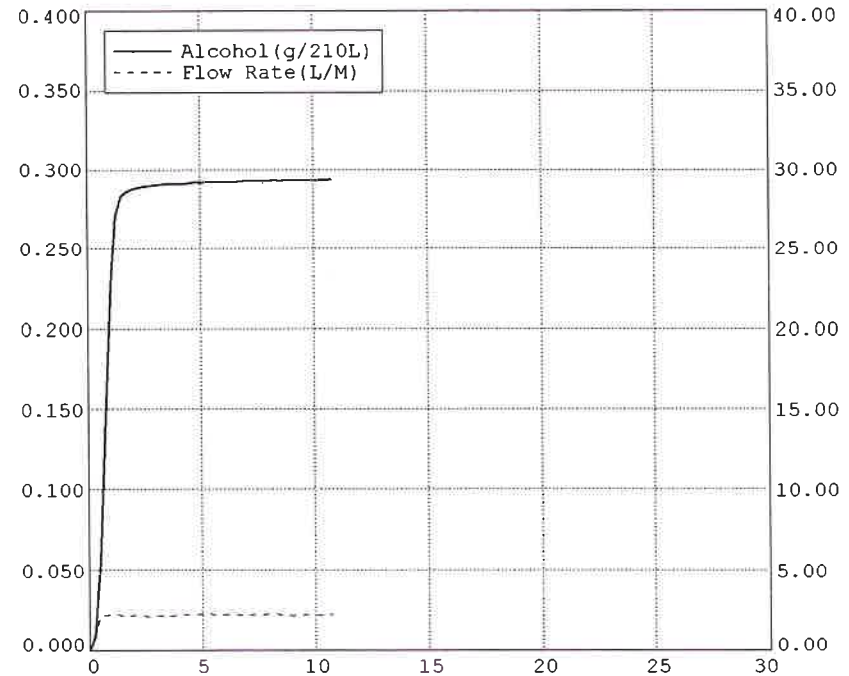
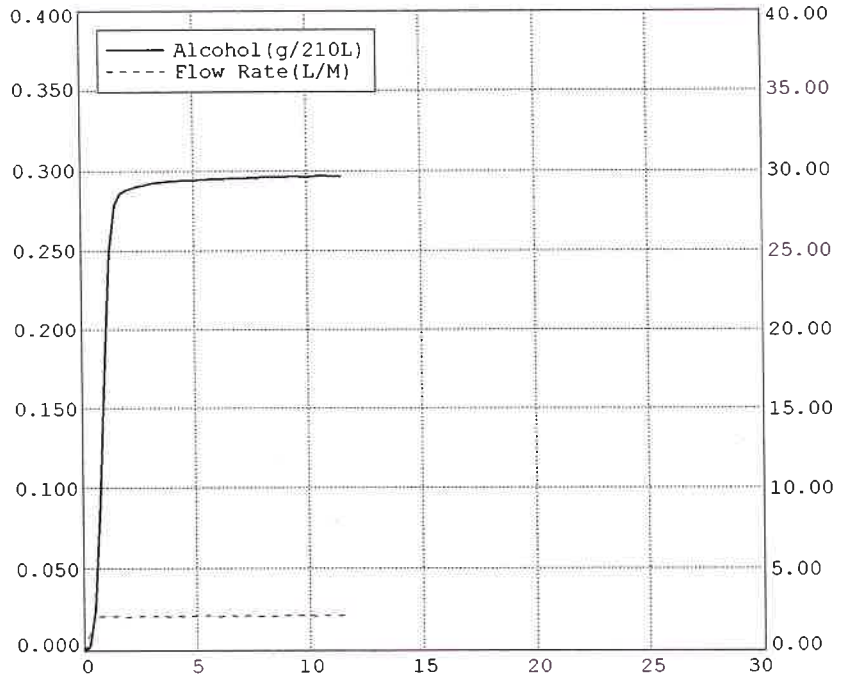
Date: 07/25/2023
Time: 16:09:12

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
TARGET AT 29.79: 0.299
TANK PRESSURE: 130 psi

BLANK TEST	0.000	16:10
INTERNAL STANDARD	VERIFIED	16:10
EXTERNAL STANDARD	0.295	16:10
BLANK TEST	0.000	16:11
EXTERNAL STANDARD	0.292	16:11
BLANK TEST	0.000	16:12
EXTERNAL STANDARD	0.291	16:13

Blank Error



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100423

Date: 07/26/2023
Time: 10:52:48

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 23-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.90: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025

DIAGNOSTIC CHECK	PASSED
BLANK TEST	0.000
INTERNAL STANDARD	0.078
EXTERNAL STANDARD	0.000
BLANK TEST	0.000
SUBJECT SAMPLE (Vol=2.12L)	0.000
BLANK TEST	0.078
EXTERNAL STANDARD	0.000
BLANK TEST	0.000

