

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100406
Start Date: 1/12/26

Analyst(s): C. O' Bryant

Reason for Repair

gas flow error during evaluation

Troubleshooting/Repair

1. Attempted a tank change VOC that resulted in an immediate gas flow error.
2. Changed the o-ring on the regulator and performed a VOC & also resulted in a gas flow error.
I removed the housing to the drug gas tank + regulator + found the tubing from the regulator to be bent - restricting flow.
3. I removed the tank connected to the regulator from the housing + straightened the tubing + ran a successful VOC. I then cut the bent tubing out + reattached the remaining tubing to the regulator.
- 4/5. Performed a successful VOC + Supervisor test.

- VOC (attached)
- VOC Internal Standard value $\leq 3.00\%$
- Verify software version
- Non-Drinking Subject Test (attached)

- Ready for Adjustment
- Further Repair Needed
- Proceed to Close Out
- Ready for Calibration
- Return to Factory

COB 2026.02.25

End Date: 1/12/26

~~* Removed from service on 2026.02.25 for internal std errors. No evidence of those during repair. Calibration recommended. COB 1/12/26~~

All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument
State of Alaska*

Serial #: 100406

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/12/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.29: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1216 psi

BLANK TEST 0.000 11:43
INTERNAL STANDARD VERIFIED 11:43

Gas Flow Error

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 44.1°C PASSED

PUMP INFO

Flow Rate = 4.585 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

changed o-ring CBS 1/12/26

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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100406

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/12/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.30: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1180 psi

BLANK TEST	0.000	12:29
INTERNAL STANDARD	VERIFIED	12:29
EXTERNAL STANDARD	0.078	12:30
BLANK TEST	0.000	12:31
EXTERNAL STANDARD	0.078	12:31
BLANK TEST	0.000	12:32
EXTERNAL STANDARD	0.078	12:32
BLANK TEST	0.000	12:33
EXTERNAL STANDARD	0.078	12:33
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.078	12:34
BLANK TEST	0.000	12:35

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
Breath Tube = 42.0°C PASSED

PUMP INFO

Flow Rate = 4.606 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

Cut the bent tubing out, ran another VOC.

COB 1/12/26

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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100406

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/12/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.30: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1217 psi

BLANK TEST	0.000	12:13
INTERNAL STANDARD	VERIFIED	12:13
EXTERNAL STANDARD	0.077	12:14
BLANK TEST	0.000	12:15
EXTERNAL STANDARD	0.077	12:15
BLANK TEST	0.000	12:16
EXTERNAL STANDARD	0.077	12:16
BLANK TEST	0.000	12:17
EXTERNAL STANDARD	0.077	12:17
BLANK TEST	0.000	12:18
EXTERNAL STANDARD	0.077	12:18
BLANK TEST	0.000	12:19

Average = 0.0770
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 PASSED
Breath Tube = 41.1°C PASSED

PUMP INFO

Flow Rate = 4.612 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

*Straightened tube.
COB 1/12/26*

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100406

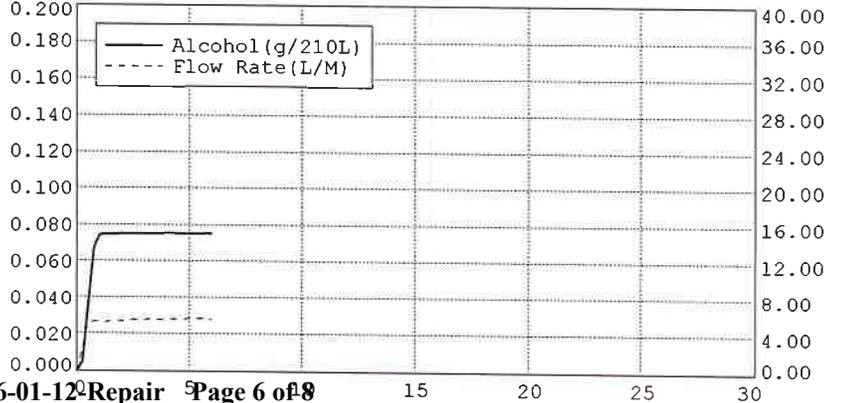
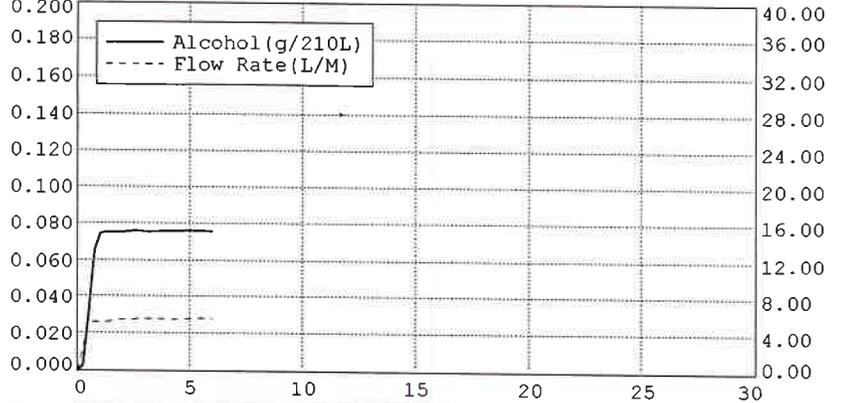
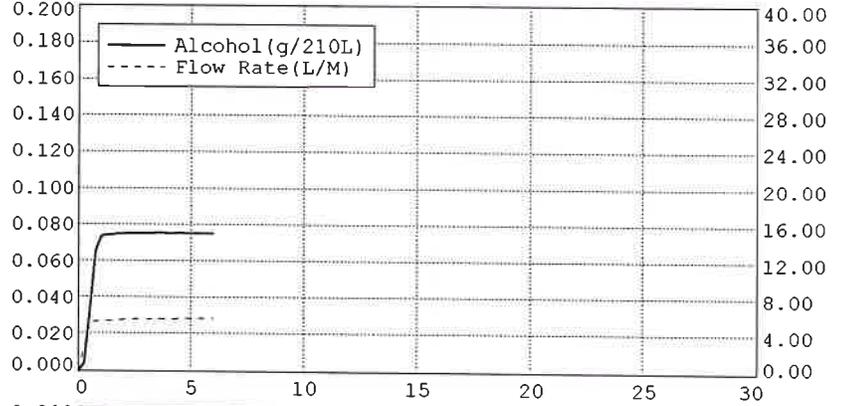
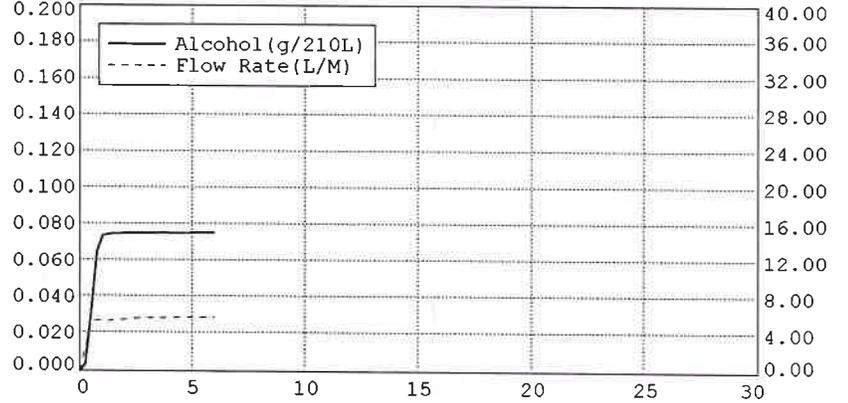
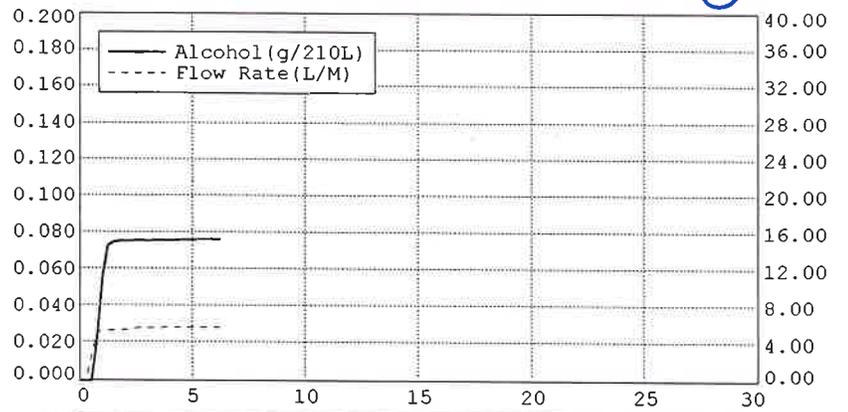
Date: 01/12/2026
Time: 12:49:08

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.31: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1143 psi

BLANK TEST	0.000	12:50
INTERNAL STANDARD	VERIFIED	12:50
EXTERNAL STANDARD	0.078	12:51
BLANK TEST	0.000	12:52
EXTERNAL STANDARD	0.078	12:52
BLANK TEST	0.000	12:53
EXTERNAL STANDARD	0.078	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.078	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.078	12:55
BLANK TEST	0.000	12:56

Average = 0.0780
Std Dev = 0.0000



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100406

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/12/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.31: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1108 psi

BLANK TEST	0.000	12:59
INTERNAL STANDARD	VERIFIED	12:59
Xq = 0.085	(0.31%)	
EXTERNAL STANDARD	0.079	13:00
X[1] = 0.0790 (-0.0031)	(-0.0024)	
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.079	13:01
X[1] = 0.0785 (-0.0029)	(-0.0015)	
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.078	13:02
X[1] = 0.0781 (-0.0035)	(-0.0016)	
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.079	13:03
X[1] = 0.0787 (-0.0034)	(-0.0010)	
BLANK TEST	0.000	13:04
EXTERNAL STANDARD	0.078	13:04
X[1] = 0.0783 (-0.0033)	(-0.0008)	
BLANK TEST	0.000	13:05

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 41.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.68 V	PASSED
(1.07 V - 2.51 V)	
Cooler Voltage = 1.94 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 527 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.631 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

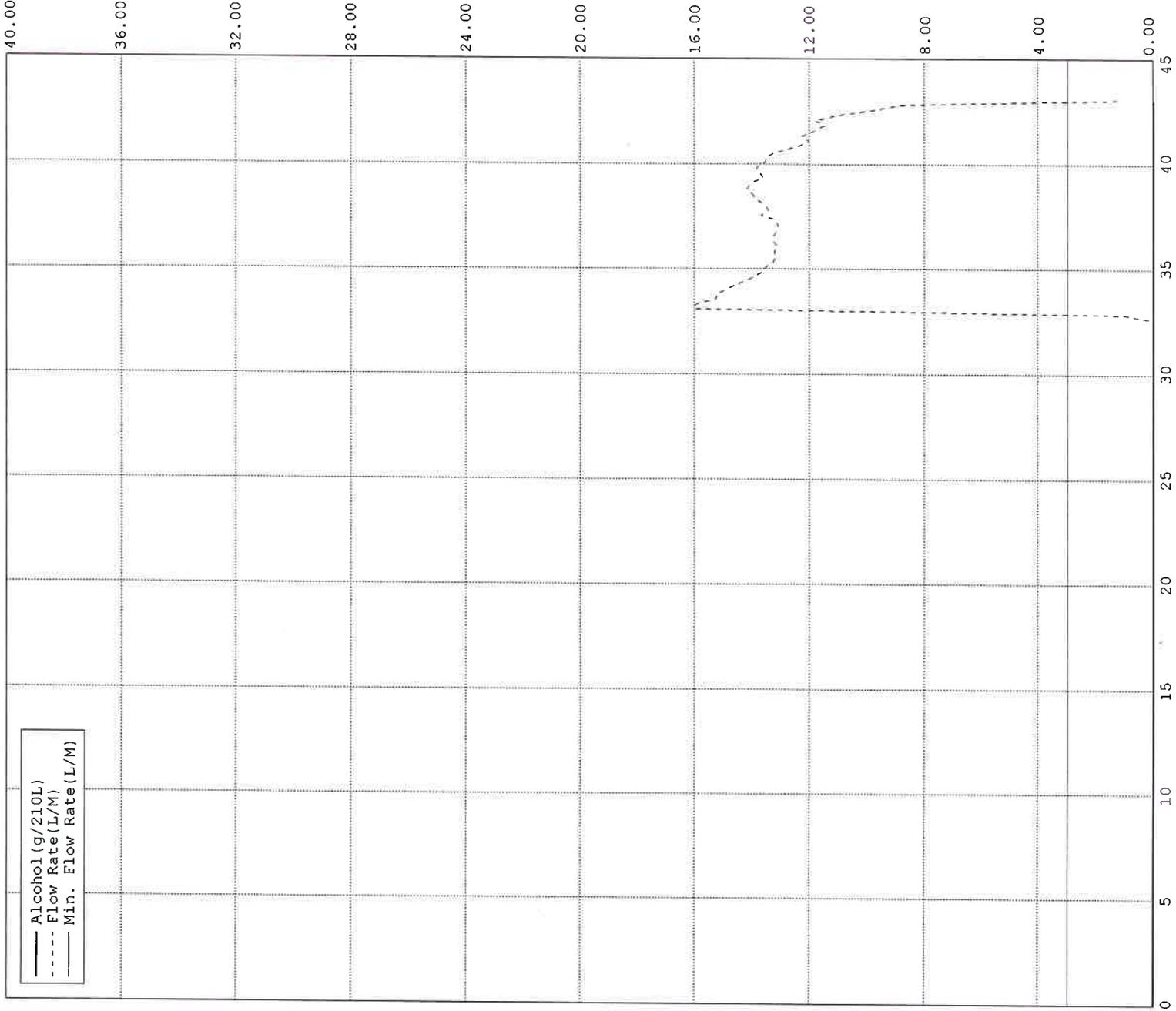
PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.084	0.92%	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100406

Date: 01/12/2026
 Time: 13:06:28

SUBJECT NAME:
TEST TEST
LICENSE #: NDST

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

DEPT/AGENCY:
 AAAA

CASE/REPORT: 26-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.30: 0.078
 LOT #: AG436502
 EXPIRATION: 12/30/2026

DIAGNOSTIC CHECK	PASSED	13:07
BLANK TEST	0.000	13:07
INTERNAL STANDARD	VERIFIED	13:07
EXTERNAL STANDARD	0.078	13:08
BLANK TEST	0.000	13:09
SUBJECT SAMPLE (Vol=2.22L)	0.000	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.079	13:10
BLANK TEST	0.000	13:11

CSB