

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100414

Analyst(s): Kaia Swisher

Start Date: 7/10/25

Reason for Repair

5-Way Valve stuck, blowing not registering. Solenoid wire exposed.

Troubleshooting/Repair

Replaced 5 way valve, Solenoid wire, and pin attached to filter block. During VOC numerous blank errors occurred, adjustment needed. VOC only passed after 3rd try.

Internal standard is above 3% on passing VOC (page 5) Recommend for adjustment.
- KS 7/21/25

☒ VOC (attached)

☒ VOC Internal Standard value $\leq 3.00\%$

☒ Verify software version

☒ Non-Drinking Subject Test (attached)

KS 7/21/25

☒ Ready for Adjustment

☐ Further Repair Needed

☐ Proceed to Close Out

☐ Ready for Calibration

☐ Return to Factory

End Date: 7/14/25

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 #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/10/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.53: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 516 psi

BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:52
EXTERNAL STANDARD	0.077	14:52

Blank 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 = 40.9°C PASSED

PUMP INFO

Flow Rate = 4.982 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

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External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.53: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 513 psi

BLANK TEST	0.000	14:57
INTERNAL STANDARD	VERIFIED	14:57
EXTERNAL STANDARD	0.077	14:58
BLANK TEST	0.000	14:58
EXTERNAL STANDARD	0.077	14:59
BLANK TEST	0.000	15:00
EXTERNAL STANDARD	0.077	15:00
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.078	15:01
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.077	15:02

Blank Error

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 42.5°C	PASSED

PUMP INFO

Flow Rate = 5.083 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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VERIFICATION OF CALIBRATION REPORT

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State of Alaska

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Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/10/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.53: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 499 psi

BLANK TEST	0.000	15:25
INTERNAL STANDARD	VERIFIED	15:26
EXTERNAL STANDARD	0.078	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.077	15:27
BLANK TEST	0.000	15:28
EXTERNAL STANDARD	0.078	15:28
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.077	15:29
BLANK TEST	0.000	15:30
EXTERNAL STANDARD	0.077	15:30
BLANK TEST	0.000	15:31

Average = 0.0774
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
Breath Tube = 45.8°C	PASSED

PUMP INFO

Flow Rate = 5.093 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/14/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.15: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 484 psi

BLANK TEST	0.000	15:19
INTERNAL STANDARD	VERIFIED	15:19
Xq = 0.093 (3.41%)		
EXTERNAL STANDARD	0.080	15:19
X[1] = 0.0799 (0.0005) (0.0000)		
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.079	15:21
X[1] = 0.0791 (0.0005) (0.0004)		
BLANK TEST	0.000	15:21
EXTERNAL STANDARD	0.079	15:22
X[1] = 0.0794 (0.0005) (0.0000)		
BLANK TEST	0.000	15:23
EXTERNAL STANDARD	0.080	15:23
X[1] = 0.0800 (0.0007) (-0.0001)		
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.080	15:24
X[1] = 0.0799 (0.0002) (0.0004)		
BLANK TEST	0.000	15:25

Average = 0.0796
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.98 V	PASSED
(1.04 V - 2.44 V)	
Cooler Voltage = 1.76 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 518 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.2 in	

PUMP INFO

Flow Rate = 5.136 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

Xq = 0.092 2.43%	PASSED
(0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100414

Date: 07/14/2025
Time: 15:27:50

SUBJECT NAME:
TEST TEST
LICENSE #: XXX

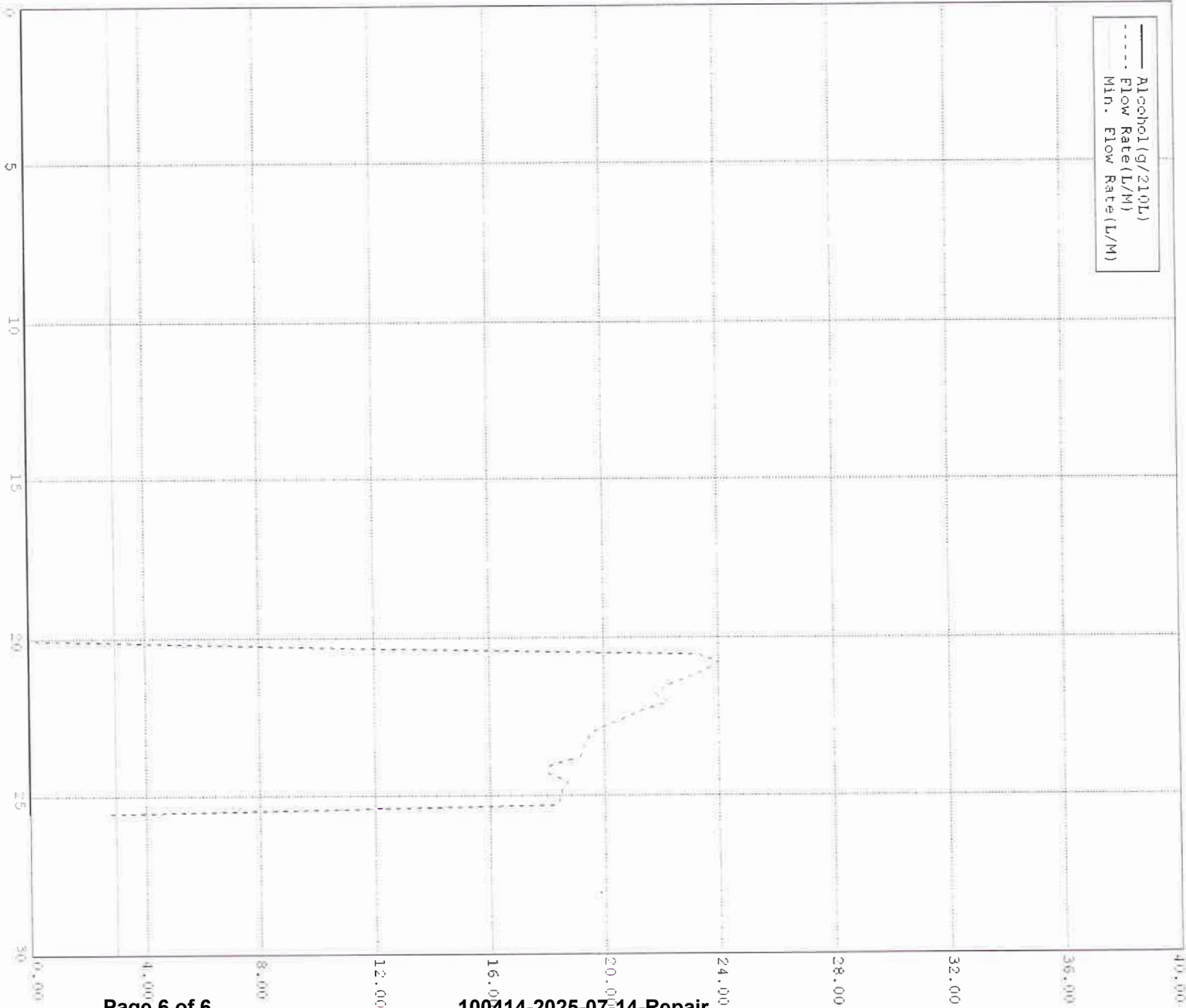
OPERATOR NAME:
KAIJA SWISHER
OPERATOR'S #: 10746

DEPT/AGENCY:
NON DRINKING SUBJECT TEST
CASE/REPORT: XXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 30.15: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	15:29
BLANK TEST	0.000	15:29
INTERNAL STANDARD	VERIFIED	15:29
EXTERNAL STANDARD	0.079	15:30
BLANK TEST	0.000	15:30
SUBJECT SAMPLE (Vol=1.75L)	0.000	15:31
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.080	15:32
BLANK TEST	0.000	15:33

Alcohol(g/210L)
----- Flow Rate(L/M)
Min. Flow Rate(L/M)



KS