

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100699

Analyst(s): Darren Walton

Start Date: 04/01/25

Reason for Repair

Rejected Calibration due to status messages during minimum volume tests. (Blank error/interference detected).

Troubleshooting/Repair

Adjusted detector voltages. Detector noise appears normal. Flow voltage appears somewhat low (~1.49 V). No change with different pump.

Reviewed the minimum volume tests from the preceding attempted calibration. Filter 2 was elevated on all 3 attempted minimum volume tests on 11/07/24. This was not observed on 04/01/25

Technician mode was used to recreate blank test conditions and no obvious issues occurred. A minimum volume test showed normal filter values. Two VOCs completed normally with typical filter values.

☒ 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

End Date: 04/01/25

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100699

Date: 04/01/2025
Time: 14:22:32

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

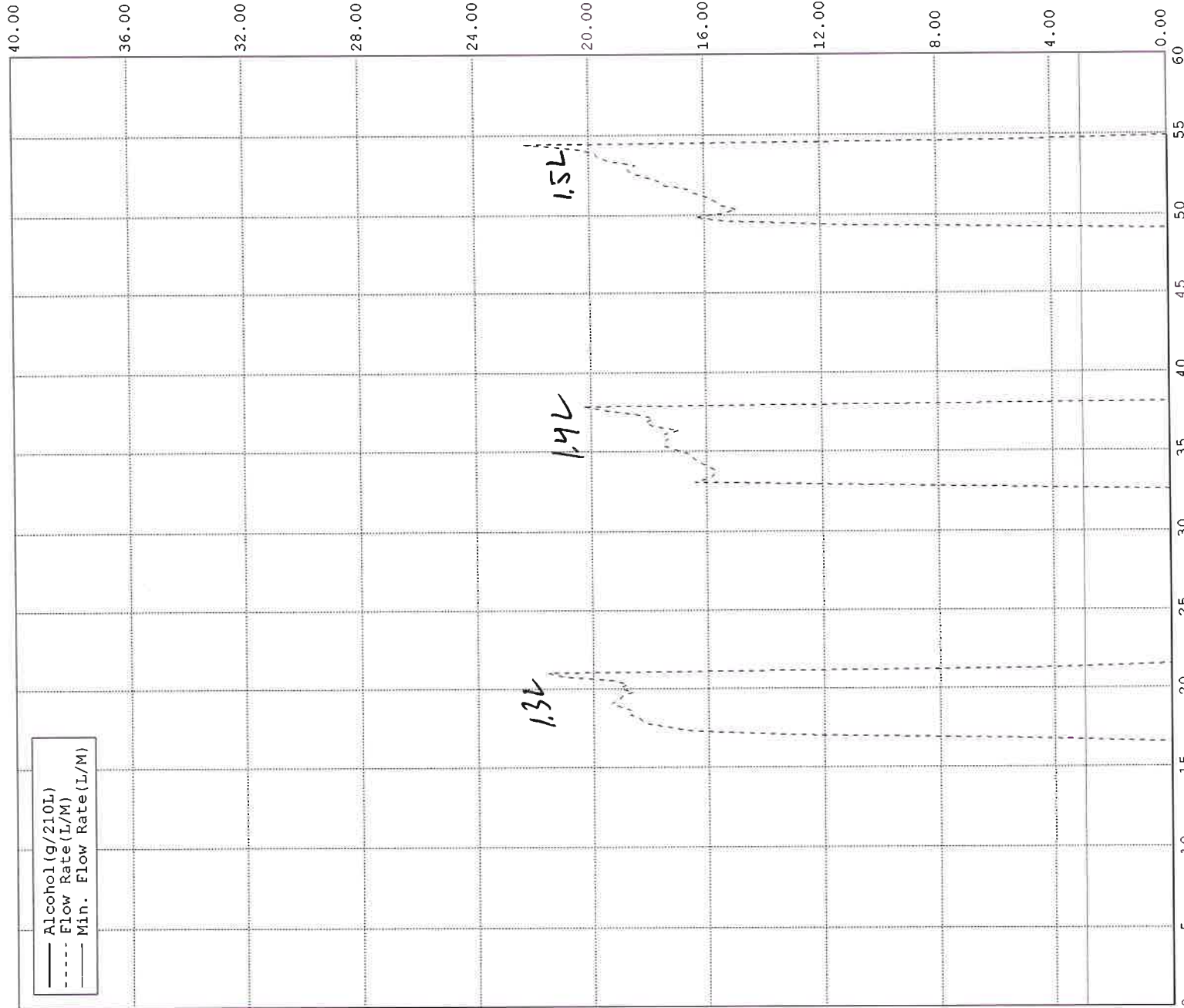
DEPT/AGENCY:
MINIMUM VOLUME
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	14:23
BLANK TEST	0.000	14:23
INTERNAL STANDARD	VERIFIED	14:23
Xg = 0.077 (1.65%)		
EXTERNAL STANDARD	0.077	14:24
X[1] = 0.0773 (-0.0010)	(0.0011)	
BLANK TEST	0.000	14:25
SUBJECT SAMPLE (Vol=1.54L)	0.000	14:25
X[1] = 0.0000 (0.0000)	(0.0000)	
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.079	14:27
X[1] = 0.0786 (-0.0001)	(-0.0004)	
BLANK TEST	0.000	14:28

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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100699

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/01/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 504 psi

BLANK TEST	0.000	14:33
INTERNAL STANDARD ✓	VERIFIED	14:34
Xq = 0.077 (1.87%)		
EXTERNAL STANDARD	0.078	14:34
X[1] = 0.0782 (-0.0006) (0.0012)		
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.078	14:35
X[1] = 0.0780 (0.0001) (0.0007)		
BLANK TEST	0.000	14:36
EXTERNAL STANDARD	0.078	14:36
X[1] = 0.0781 (0.0004) (0.0012)		
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.078	14:37
X[1] = 0.0778 (-0.0007) (-0.0001)		
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.078	14:38
X[1] = 0.0777 (-0.0010) (-0.0001)		
BLANK TEST	0.000	14:39

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 41.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.53 V	PASSED
(0.94 V - 2.18 V)	
Cooler Voltage = 1.54 V	PASSED
(0.91 V - 2.11 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.146 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 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 = 0.078 0.99% (0.00% - 4.00%)	

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100699

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/01/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.68: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 478 psi

BLANK TEST	0.000	15:10
INTERNAL STANDARD	✓ VERIFIED	15:10
Xq = 0.078 (1.10%)		
EXTERNAL STANDARD	0.078	15:10
X[1] = 0.0783 (-0.0003) (0.0011)		
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.078	15:11
X[1] = 0.0779 (-0.0001) (0.0014)		
BLANK TEST	0.000	15:12
EXTERNAL STANDARD	0.079	15:12
X[1] = 0.0788 (-0.0005) (0.0002)		
BLANK TEST	0.000	15:13
EXTERNAL STANDARD	0.078	15:13
X[1] = 0.0775 (-0.0004) (0.0008)		
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.078	15:15
X[1] = 0.0779 (-0.0006) (0.0017)		
BLANK TEST	0.000	15:16

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 39.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.53 V	PASSED
(0.94 V - 2.18 V)	
Cooler Voltage = 1.54 V	PASSED
(0.91 V - 2.11 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.410 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

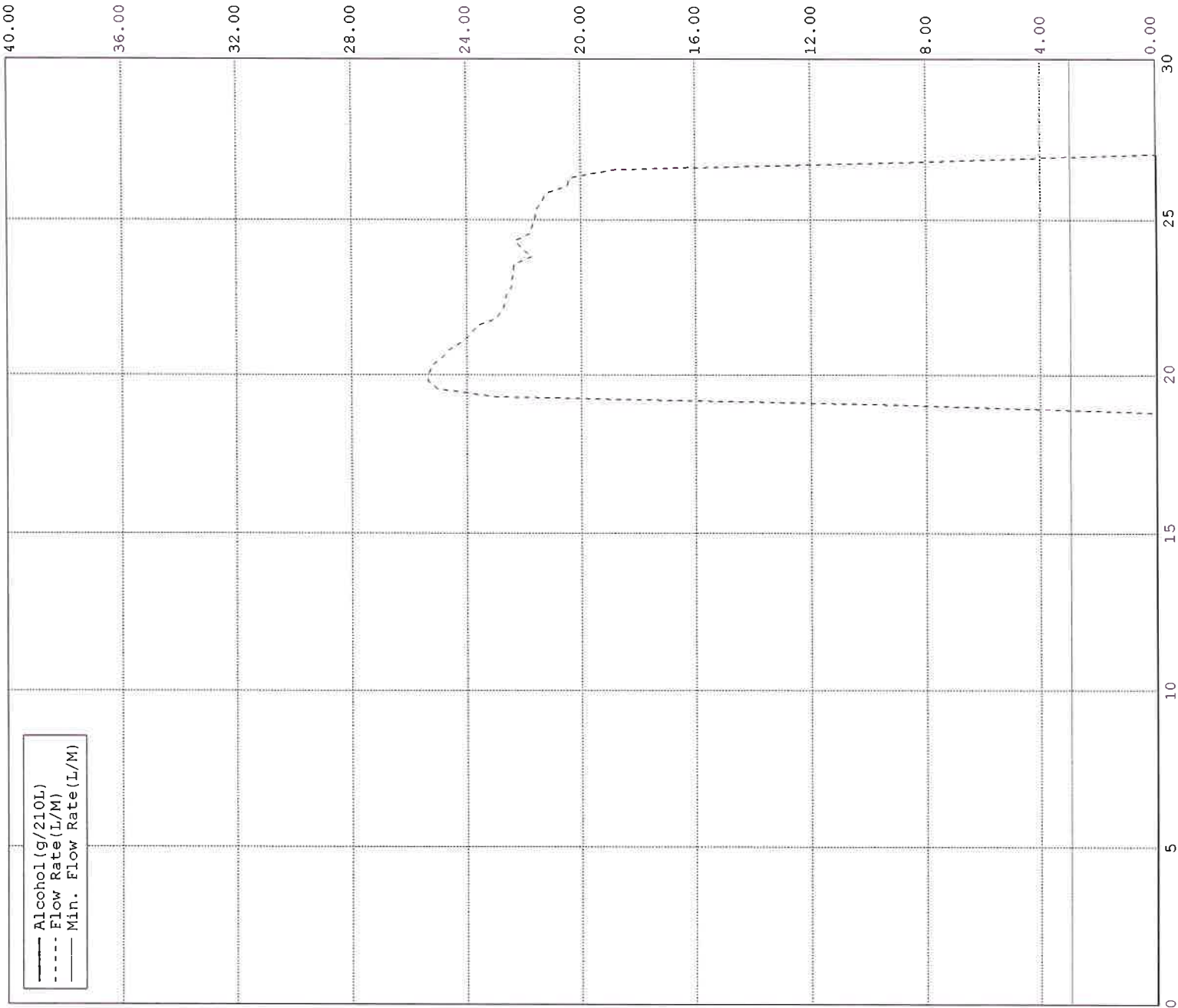
DETECTOR INFO

PUMP ON	PASSED
(0.004 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 = 0.077	2.76%	(0.00% - 4.00%)



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100699

Date: 04/01/2025
Time: 15:18:31

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.68: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

DIAGNOSTIC CHECK	PASSED	15:19
BLANK TEST	0.000	15:19
INTERNAL STANDARD	VERIFIED	15:19
EXTERNAL STANDARD	0.078	15:19
BLANK TEST	0.000	15:20
SUBJECT SAMPLE (Vol=2.91L)	0.000	15:21
BLANK TEST	0.000	15:22
EXTERNAL STANDARD	0.079	15:22
BLANK TEST	0.000	15:23

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