

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 3/20/2025

Version: 2.0

Instrument #: 100365

Analyst(s): Kaija Swisher

Start Date: 7/8/25

Reason for Repair

Uploading via modem not connecting during Check in.

Troubleshooting/Repair

Ran diagnostic, attempted upload, unsuccessful.
Replaced modem cable & Cermetek box, upload was
then successful.

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: 7/8/25

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All printed copies are uncontrolled.

Approved by: Chemistry Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 07/08/2025
Time: 09:47:22

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 43.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.02 V PASSED
(1.21 V - 2.83 V)
Cooler Voltage = 1.82 V PASSED
(1.09 V - 2.55 V)
Bias Voltage = 80 V PASSED
(47 V - 111 V)
Chopper Freq = 522 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.482 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 = 0.093 0.09% (0.00% - 4.00%) PASSED

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100365

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/08/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.43: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1232 psi

BLANK TEST	0.000	14:39
INTERNAL STANDARD	VERIFIED	14:39
Xq = 0.093 (0.09%)		
EXTERNAL STANDARD	0.076	14:39
X[1] = 0.0764 (-0.0011) (-0.0005)		
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.077	14:40
X[1] = 0.0768 (-0.0007) (0.0000)		
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.077	14:41
X[1] = 0.0770 (-0.0012) (-0.0003)		
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.077	14:43
X[1] = 0.0772 (-0.0022) (-0.0013)		
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.078	14:44
X[1] = 0.0776 (-0.0016) (-0.0012)		
BLANK TEST	0.000	14:45

Average = 0.0770
Std Dev = 0.0007

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.02 V	PASSED
(1.21 V - 2.83 V)	
Cooler Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 517 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 4.715 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.094	1.22%	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dnt: 100365

Date: 07/08/2025
Time: 14:47:11

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 29.43: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025

TEST TYPE	PASSED	14:48
DIAGNOSTIC CHECK	0.000	14:48
BLANK TEST	0.000	14:48
INTERNAL STANDARD	VERIFIED	14:48
EXTERNAL STANDARD	0.077	14:48
BLANK TEST	0.000	14:49
SUBJECT SAMPLE (Vol=2.08L)	0.000	14:49
BLANK TEST	0.000	14:50
EXTERNAL STANDARD	0.078	14:51
BLANK TEST	0.000	14:51

KS

