

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100255

Analyst: Megan Carlock

Date: 4/22/25

Reason for Adjustment

Blank errors occurred at elevated testing levels during repair

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 23IP41233

Expiration Date: 9/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR5298

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: SD1202

Verification Performed?

- Turn pump on/off in the technician screen to prevent pump error on VOC
- Attach "Cal Factors"
- Attach Verification of Calibration (VOC)
- Internal Standard Value $\leq 3.00\%$

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100255

Date: 04/22/2025
Time: 11:25:29

OPERATOR NAME:
MEGAN CARLOCK
CERTIFICATE #: 10747

Ca = 0.1000
CAL = 0.979737 0.800 <= CAL < 1.200
b1 = 0.0017 0.0000 <= b1 < 0.0040
b2 = 0.0080 0.0010 <= b2 < 0.0100
b3 = 0.0020 0.0000 <= b3 < 0.0040
Xq = 0.0767 0.0500 <= Xq < 0.2000
a21 = 1.210431 1.050 <= a21 < 1.300
a31 = 0.437052 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100255

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/22/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.16: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1134 psi

BLANK TEST	0.000	11:46
INTERNAL STANDARD	VERIFIED	11:46
Xq = 0.077 (0.68%)		
EXTERNAL STANDARD	0.078	11:46
X[1] = 0.0781 (-0.0008) (0.0018)		
BLANK TEST	0.000	11:47
EXTERNAL STANDARD	0.077	11:47
X[1] = 0.0772 (-0.0004) (0.0012)		
BLANK TEST	0.000	11:48
EXTERNAL STANDARD	0.077	11:48
X[1] = 0.0772 (-0.0018) (0.0014)		
BLANK TEST	0.000	11:49
EXTERNAL STANDARD	0.077	11:49
X[1] = 0.0775 (-0.0008) (0.0010)		
BLANK TEST	0.000	11:50
EXTERNAL STANDARD	0.077	11:50
X[1] = 0.0775 (0.0002) (0.0014)		
BLANK TEST	0.000	11:51

Average = 0.0772
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 2.05
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.55 V	PASSED
(0.93 V - 2.17 V)	
Cooler Voltage = 1.74 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.678 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 = 0.077 0.23%	PASSED
(0.00% - 4.00%)	