

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100683

Analyst: Kaija Swisher

Date: 7/15/25

Reason for Adjustment

Internal standard errors following detector replacement.

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 231P41233

Expiration Date: 9/20/2025

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1088

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631096

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: 100683

Date: 07/15/2025
Time: 13:01:30

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.950276 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0056 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.1044 0.0500 <= Xq < 0.2000
a21 = 1.208231 1.050 <= a21 < 1.300
a31 = 0.517441 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100683

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/15/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.16: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 342 psi

BLANK TEST	0.000	13:36
INTERNAL STANDARD	VERIFIED	13:37
Xq = 0.105 (0.67%)		
EXTERNAL STANDARD	0.079	13:37
X[1] = 0.0786 (0.0015) (0.0018)		
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.078	13:38
X[1] = 0.0782 (0.0010) (0.0021)		
BLANK TEST	0.000	13:39
EXTERNAL STANDARD	0.078	13:39
X[1] = 0.0779 (0.0004) (0.0020)		
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.078	13:40
X[1] = 0.0782 (0.0003) (0.0024)		
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.078	13:41
X[1] = 0.0784 (0.0009) (0.0025)		
BLANK TEST	0.000	13:42

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 = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.76 V	PASSED
(1.06 V - 2.46 V)	
Cooler Voltage = 1.79 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.2 in	

PUMP INFO

Flow Rate = 4.407 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 = 0.104 0.76%	PASSED
(0.00% - 4.00%)	