

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100675

Analyst: Derek Walton

Date: 10/20/25

Reason for Adjustment

Prior internal standard errors, Internal standard plate cleaned

I had to initiate the adjustment via the software 5 times to get an accepted adjustment. The instrument produced Blank error, RFI detected, RFI detected again, and Ambient fail, in that order. DJW 10/30/2025

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 25CP41280

Expiration Date: 03/19/2027

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/2027

Blank (Water) Wet Bath Simulator

Serial Number: DR4176

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: 100675

Date: 10/20/2025
Time: 13:48:31

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000			
CAL	=	0.000000	0.800	<=	CAL < 1.200
b1	=	0.0000	0.0000	<=	b1 < 0.0040
b2	=	0.0000	0.0010	<=	b2 < 0.0100
b3	=	0.0000	0.0000	<=	b3 < 0.0040
Xq	=	0.1023	0.0500	<=	Xq < 0.2000
a21	=	0.000000	1.050	<=	a21 < 1.300
a31	=	0.000000	0.300	<=	a31 < 0.800

Blank Error

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 10/20/2025
Time: 13:56:08

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000			
CAL	=	0.987398	0.800	<=	CAL < 1.200
b1	=	0.0013	0.0000	<=	b1 < 0.0040
b2	=	0.0087	0.0010	<=	b2 < 0.0100
b3	=	0.0017	0.0000	<=	b3 < 0.0040
Xq	=	0.1025	0.0500	<=	Xq < 0.2000
a21	=	1.172504	1.050	<=	a21 < 1.300
a31	=	0.433408	0.300	<=	a31 < 0.800

RFI DETECTED

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 10/20/2025
Time: 14:20:46

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000			
CAL	=	0.000000	0.800	<=	CAL < 1.200
b1	=	0.0013	0.0000	<=	b1 < 0.0040
b2	=	0.0080	0.0010	<=	b2 < 0.0100
b3	=	0.0011	0.0000	<=	b3 < 0.0040
Xq	=	0.1030	0.0500	<=	Xq < 0.2000
a21	=	0.000000	1.050	<=	a21 < 1.300
a31	=	0.000000	0.300	<=	a31 < 0.800

RFI DETECTED

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 10/20/2025
Time: 14:33:13

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca = 0.1000
CAL = 0.000000 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0000 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0000 0.0500 <= Xq < 0.2000
a21 = 0.000000 1.050 <= a21 < 1.300
a31 = 0.000000 0.300 <= a31 < 0.800

Ambient Fail

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 10/20/2025
Time: 14:39:35

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000		
CAL	=	0.992499	0.800 <=	CAL < 1.200
b1	=	0.0011	0.0000 <=	b1 < 0.0040
b2	=	0.0068	0.0010 <=	b2 < 0.0100
b3	=	0.0001	0.0000 <=	b3 < 0.0040
Xq	=	0.1031	0.0500 <=	Xq < 0.2000
a21	=	1.169925	1.050 <=	a21 < 1.300
a31	=	0.432606	0.300 <=	a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/20/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.26: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 324 psi

BLANK TEST	0.000	15:00
INTERNAL STANDARD	VERIFIED	15:00
Xq = 0.103 (0.09%)		
EXTERNAL STANDARD	0.076	15:00
X[1] = 0.0762 (-0.0002) (0.0029)		
BLANK TEST	0.000	15:01
EXTERNAL STANDARD	0.076	15:01
X[1] = 0.0759 (-0.0012) (0.0026)		
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.076	15:02
X[1] = 0.0757 (-0.0014) (0.0025)		
BLANK TEST	0.000	15:03
EXTERNAL STANDARD	0.076	15:03
X[1] = 0.0764 (-0.0006) (0.0025)		
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.076	15:04
X[1] = 0.0764 (-0.0016) (0.0021)		
BLANK TEST	0.000	15:05

Average = 0.0760
Std Dev = 0.0000

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.19 V	PASSED
(1.31 V - 3.07 V)	
Cooler Voltage = 1.98 V	PASSED
(1.19 V - 2.77 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.3 in	

PUMP INFO

Flow Rate = 4.577 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.007 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	PASSED
Xq = 0.103 0.43% (0.00% - 4.00%)	