

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100411

Analyst: Derek Walton

Date: 10/22/25

Reason for Adjustment

Blank error and internal standard error

The first attempted adjustment produced a blank error. Adjustment was initiated a second time and completed normally. DJW 10/30/2025

0.100 Adjustment Simulator Solution

Manufacturer: Lifetec

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: 100411

Date: 10/22/2025
Time: 13:03:41

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 = 0.0936 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: 100411

Date: 10/22/2025
Time: 13:10:51

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000		
CAL	=	0.997361	0.800	<= CAL < 1.200
b1	=	0.0004	0.0000	<= b1 < 0.0040
b2	=	0.0040	0.0010	<= b2 < 0.0100
b3	=	0.0002	0.0000	<= b3 < 0.0040
Xq	=	0.0963	0.0500	<= Xq < 0.2000
a21	=	1.138248	1.050	<= a21 < 1.300
a31	=	0.482468	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/22/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 28.51: 0.076
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1229 psi

BLANK TEST	0.000	13:28
INTERNAL STANDARD	VERIFIED	13:28
Xq = 0.093 (3.00%)		
EXTERNAL STANDARD	0.075	13:28
X[1] = 0.0751 (-0.0007) (0.0023)		
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.076	13:30
X[1] = 0.0755 (-0.0002) (0.0018)		
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.075	13:31
X[1] = 0.0753 (0.0004) (0.0017)		
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.076	13:32
X[1] = 0.0758 (-0.0005) (0.0022)		
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.076	13:33
X[1] = 0.0760 (0.0002) (0.0025)		
BLANK TEST	0.000	13:34

Average = 0.0756
Std Dev = 0.0005

Diagnostic Check

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 = 42.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 535 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 28.5 in	

PUMP INFO

Flow Rate = 3.949 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 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 = 0.094 2.27% (0.00% - 4.00%)	