

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100386

Analyst: Kayla Swisher

Start Date: 2/3/26

Reason for Adjustment

Internal Standard errors following Solenoid replacement.

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 25CP41250

Expiration Date: 3/19/2027

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 3/14/27

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

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 $\leq 3.00\%$

Next Steps

- ☒ Ready for Calibration ☐ Repair Needed ☐ Adjustment Needed

End Date: 2/3/26

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100386

Date: 02/03/2026
Time: 11:32:35

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca	=	0.1000		
CAL	=	0.978675	0.820	<= CAL < 1.200
b1	=	0.0009	0.0200	<= b1 < 0.0040
b2	=	0.0063	0.0210	<= b2 < 0.0100
b3	=	0.0007	0.0200	<= b3 < 0.0040
Xq	=	0.1001	0.0500	<= Xq < 0.2000
a21	=	1.173040	1.050	<= a21 < 1.300
a31	=	0.545697	0.320	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/03/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 28.81: 0.077 Printing ink error; 0.077
KS 2/5/2026

LOT #: AG436502

EXPIRATION: 12/30/2026

TANK PRESSURE: 1069 psi

BLANK TEST	0.000	11:56
INTERNAL STANDARD	VERIFIED	11:56
Xq = 0.101 (1.31%)		
EXTERNAL STANDARD	0.077	11:56
X[1] = 0.0770 (-0.0002) (0.0015)		
BLANK TEST	0.000	11:57
EXTERNAL STANDARD	0.077	11:57
X[1] = 0.0769 (0.0003) (0.0018)		
BLANK TEST	0.000	11:58
EXTERNAL STANDARD	0.076	11:58
X[1] = 0.0762 (-0.0007) (0.0016)		
BLANK TEST	0.000	11:59
EXTERNAL STANDARD	0.076	11:59
X[1] = 0.0760 (-0.0014) (0.0010)		
BLANK TEST	0.000	12:00
EXTERNAL STANDARD	0.077	12:01
X[1] = 0.0773 (-0.0008) (0.0006)		
BLANK TEST	0.000	12:02

Average = 0.0766

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 = 46.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.91 V PASSED
(1.15 V - 2.67 V)

Cooler Voltage = 1.66 V PASSED
(1.00 V - 2.32 V)

Bias Voltage = 79 V PASSED
(47 V - 111 V)

Chopper Freq = 520 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 28.8 in

PUMP INFO

Flow Rate = 4.648 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

(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD PASSED

Xq = 0.101 1.05% (0.00% - 4.00%)