

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100695

Analyst: Dereen Walton

Start Date: 01/08/26

Reason for Adjustment

Tank interference and elevated internal standard offset

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 25CP41280

Expiration Date: 03/19/27

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/27

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: 01/08/26

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100695

Date: 01/08/2026
Time: 15:24:30

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000			
CAL	=	0.980687	0.800	<=	CAL < 1.200
b1	=	0.0005	0.0000	<=	b1 < 0.0040
b2	=	0.0058	0.0010	<=	b2 < 0.0100
b3	=	0.0003	0.0000	<=	b3 < 0.0040
Xq	=	0.1161	0.0500	<=	Xq < 0.2000
a21	=	1.148788	1.050	<=	a21 < 1.300
a31	=	0.535871	0.300	<=	a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100695

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/08/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.40: 0.079
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1155 psi

BLANK TEST	0.000	15:46
INTERNAL STANDARD	✓ VERIFIED	15:46
Xq = 0.117 (0.53%)		
EXTERNAL STANDARD	0.079	15:46
X[1] = 0.0785 (-0.0009) (0.0029)		
BLANK TEST	0.000	15:47
EXTERNAL STANDARD	0.078	15:48
X[1] = 0.0782 (-0.0013) (0.0025)		
BLANK TEST	0.000	15:48
EXTERNAL STANDARD	0.079	15:49
X[1] = 0.0787 (-0.0013) (0.0024)		
BLANK TEST	0.000	15:50
EXTERNAL STANDARD	0.078	15:50
X[1] = 0.0781 (-0.0021) (0.0021)		
BLANK TEST	0.000	15:51
EXTERNAL STANDARD	0.078	15:51
X[1] = 0.0782 (-0.0024) (0.0022)		
BLANK TEST	0.000	15:52

Average = 0.0784
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.79 V	PASSED
(1.07 V - 2.51 V)	
Cooler Voltage = 1.84 V	PASSED
(1.11 V - 2.59 V)	
Bias Voltage = 78 V	PASSED
(47 V - 109 V)	
Chopper Freq = 562 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.4 in	

PUMP INFO

Flow Rate = 4.221 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	✓	PASSED
Xq = 0.116 0.08% (0.00% - 4.00%)		