

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100414

Analyst: Kaia Swisher

Date: 7/15/25

Reason for Adjustment

High internal standard readings after repair.

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 231P4 1233

Expiration Date: 9/20/25

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: 100414

Date: 07/15/2025
Time: 14:07:37

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca	=	0.1000		
CAL	=	0.992378	0.800 <=	CAL < 1.200
b1	=	0.0001	0.0000 <=	b1 < 0.0040
b2	=	0.0029	0.0010 <=	b2 < 0.0100
b3	=	0.0004	0.0000 <=	b3 < 0.0040
Xq	=	0.0927	0.0500 <=	Xq < 0.2000
a21	=	1.139712	1.050 <=	a21 < 1.300
a31	=	0.491152	0.300 <=	a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/15/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.20: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 466 psi

BLANK TEST	0.000	14:30
INTERNAL STANDARD	VERIFIED	14:30
Xq = 0.093 (0.66%)		
EXTERNAL STANDARD	0.079	14:31
X[1] = 0.0793 (0.0016) (0.0015)		
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.079	14:32
X[1] = 0.0794 (0.0018) (0.0010)		
BLANK TEST	0.000	14:33
EXTERNAL STANDARD	0.079	14:33
X[1] = 0.0789 (0.0010) (0.0012)		
BLANK TEST	0.000	14:34
EXTERNAL STANDARD	0.080	14:34
X[1] = 0.0802 (0.0022) (0.0017)		
BLANK TEST	0.000	14:35
EXTERNAL STANDARD	0.080	14:35
X[1] = 0.0799 (0.0017) (0.0021)		
BLANK TEST	0.000	14:36

Average = 0.0794
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.88 V	PASSED
(1.13 V - 2.63 V)	
Cooler Voltage = 1.76 V	PASSED
(1.06 V - 2.46 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.2 in	

PUMP INFO

Flow Rate = 5.373 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.093 0.28%	PASSED
(0.00% - 4.00%)	