

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100374

Analyst: Kaja Swisher

Date: 7/15/25

Reason for Adjustment

High internal standard readings.

0.100 Adjustment Simulator Solution

Manufacturer: Life Loc

Lot: 231P41233

Expiration Date: 9/20/2025

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: 100374

Date: 07/15/2025
Time: 14:03:53

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.967484 0.800 <= CAL < 1.200
b1 = 0.0011 0.0000 <= b1 < 0.0040
b2 = 0.0061 0.0010 <= b2 < 0.0100
b3 = 0.0007 0.0000 <= b3 < 0.0040
Xq = 0.0903 0.0500 <= Xq < 0.2000
a21 = 1.197741 1.050 <= a21 < 1.300
a31 = 0.392757 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100374

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/15/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.18: 0.081
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 628 psi

BLANK TEST	0.000	14:22
INTERNAL STANDARD	VERIFIED	14:22
Xq = 0.091 (0.58%)		
EXTERNAL STANDARD	0.079	14:22
X[1] = 0.0787 (-0.0006) (0.0017)		
BLANK TEST	0.000	14:23
EXTERNAL STANDARD	0.079	14:23
X[1] = 0.0786 (-0.0006) (0.0014)		
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.079	14:24
X[1] = 0.0788 (-0.0009) (0.0018)		
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.078	14:25
X[1] = 0.0783 (-0.0014) (0.0013)		
BLANK TEST	0.000	14:26
EXTERNAL STANDARD	0.079	14:27
X[1] = 0.0790 (-0.0001) (0.0016)		
BLANK TEST	0.000	14:27

Average = 0.0788
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.59 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.53 V	PASSED
(0.92 V - 2.14 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 525 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.2 in	

PUMP INFO

Flow Rate = 4.748 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.004 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
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Xq = 0.090 0.00% (0.00% - 4.00%)