

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100342

Analyst: Kaija Swisher

Date: 6/18/24

*Supervised casework with
Dereck Walton 06/21/24 JMV*

Reason for Adjustment

Internal standard error and internal standard values close to 3% during
evaluation.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/2025

Blank (Water) Wet Bath Simulator

Serial Number: DR5298

Verification Performed?

- Attach "Cal Factors"
- Attach Verification of Calibration (VOC)
- Internal Standard Value \leq 3.00%

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 06/18/2024
Time: 13:47:54

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.990811 0.800 <= CAL < 1.200
b1 = 0.0003 0.0000 <= b1 < 0.0040
b2 = 0.0045 0.0010 <= b2 < 0.0100
b3 = 0.0002 0.0000 <= b3 < 0.0040
Xq = 0.0855 0.0500 <= Xq < 0.2000
a21 = 1.189676 1.050 <= a21 < 1.300
a31 = 0.496979 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100342

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/18/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.81: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1212 psi

BLANK TEST	0.000	14:16
INTERNAL STANDARD	VERIFIED	14:16
Xq = 0.086 (0.31%)		
EXTERNAL STANDARD	0.080	14:16
X[1] = 0.0801 (0.0014) (0.0027)		
BLANK TEST	0.000	14:17
EXTERNAL STANDARD	0.080	14:17
X[1] = 0.0797 (0.0006) (0.0021)		
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.080	14:18
X[1] = 0.0797 (0.0003) (0.0020)		
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.080	14:19
X[1] = 0.0797 (0.0003) (0.0020)		
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.080	14:20
X[1] = 0.0797 (0.0001) (0.0015)		
BLANK TEST	0.000	14:21

Average = 0.0800
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.65 V	PASSED
(0.99 V - 2.31 V)	
Cooler Voltage = 1.61 V	PASSED
(0.97 V - 2.25 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.390 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	PASSED
Xq = 0.085 0.71% (0.00% - 4.00%)	