

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100695

Analyst: Carlie Haister

Date: 11/7/23

### Reason for Adjustment

Failed Calibration due to an Internal Standard Error (4.20 %).

### 0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22HP41201

Expiration Date: 8/24/24

### 0.100 Adjustment Wet Bath Simulator

Serial Number: SD1176

Verification Performed?

### Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/9/23

### Blank (Water) Wet Bath Simulator

Serial Number: DR4178

Verification Performed?

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

CALIBRATION FACTORS

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Alaska Department of Public Safety  
DATAMASTER dmt: 100695  
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Date: 11/07/2023  
Time: 08:48:24

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca = 0.1000  
CAL = 0.980197    0.800 <= CAL < 1.200  
b1 = 0.0006    0.0000 <= b1 < 0.0040  
b2 = 0.0057    0.0010 <= b2 < 0.0100  
b3 = 0.0004    0.0000 <= b3 < 0.0040  
Xq = 0.1136    0.0500 <= Xq < 0.2000  
a21 = 1.137430    1.050 <= a21 < 1.300  
a31 = 0.528219    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: 11/07/2023

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.18: 0.078  
LOT #: 09523080A1  
EXPIRATION: 05/05/2025  
TANK PRESSURE: 420 psi

BLANK TEST	0.000	09:09
INTERNAL STANDARD	VERIFIED	09:09
Xq = 0.114 (0.39%)		
EXTERNAL STANDARD	0.077	09:10
X[1] = 0.0770 (-0.0019) (0.0024)		
BLANK TEST	0.000	09:10
EXTERNAL STANDARD	0.077	09:11
X[1] = 0.0772 (-0.0018) (0.0023)		
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.077	09:12
X[1] = 0.0774 (-0.0016) (0.0018)		
BLANK TEST	0.000	09:13
EXTERNAL STANDARD	0.077	09:13
X[1] = 0.0773 (-0.0020) (0.0020)		
BLANK TEST	0.000	09:14
EXTERNAL STANDARD	0.077	09:14
X[1] = 0.0774 (-0.0019) (0.0021)		
BLANK TEST	0.000	09:15

Average = 0.0770  
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 = 45.3°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.79 V	PASSED
(1.07 V - 2.51 V)	
Cooler Voltage = 1.79 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 564 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

### PUMP INFO

Flow Rate = 4.239 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.001 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

Xq = 0.114	0.62%	(0.00% - 4.00%)	PASSED
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