

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100387

Analyst: Carlie Glaister

Date: 11/7/23

### Reason for Adjustment

VOC internal standard near 3% during eval

### 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: DQ4178

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: 100387  
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Date: 11/07/2023  
Time: 09:05:01

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca = 0.1000  
CAL = 0.989575    0.800 <= CAL < 1.200  
b1 = 0.0011    0.0000 <= b1 < 0.0040  
b2 = 0.0059    0.0010 <= b2 < 0.0100  
b3 = 0.0008    0.0000 <= b3 < 0.0040  
Xq = 0.0932    0.0500 <= Xq < 0.2000  
a21 = 1.172262    1.050 <= a21 < 1.300  
a31 = 0.477361    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100387

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/07/2023

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.17: 0.078  
LOT #: AG310901  
EXPIRATION: 04/19/2025  
TANK PRESSURE: 1166 psi

BLANK TEST	0.000	09:22
INTERNAL STANDARD	VERIFIED	09:22
Xq = 0.094 (0.84%)		
EXTERNAL STANDARD	0.079	09:22
X[1] = 0.0794 (-0.0003) (0.0013)		
BLANK TEST	0.000	09:23
EXTERNAL STANDARD	0.079	09:23
X[1] = 0.0790 (-0.0009) (0.0014)		
BLANK TEST	0.000	09:24
EXTERNAL STANDARD	0.079	09:24
X[1] = 0.0786 (-0.0012) (0.0015)		
BLANK TEST	0.000	09:25
EXTERNAL STANDARD	0.079	09:25
X[1] = 0.0788 (-0.0006) (0.0019)		
BLANK TEST	0.000	09:26
EXTERNAL STANDARD	0.079	09:27
X[1] = 0.0789 (-0.0015) (0.0007)		
BLANK TEST	0.000	09:28

Average = 0.0790  
Std Dev = 0.0000

## 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 = 44.6°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.83 V	PASSED
(1.10 V - 2.56 V)	
Cooler Voltage = 1.76 V	PASSED
(1.06 V - 2.46 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 542 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

### PUMP INFO

Flow Rate = 4.570 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.003 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

Xq = 0.094	0.66%	(0.00% - 4.00%)
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