

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100073

Analyst: Tatiana Malnoske

Date: 07/18/2023

### Reason for Adjustment

Multiple Fatal Errors. Internal Standard value over 3.00% on  
VOC.

### 0.100 Adjustment Simulator Solution

Manufacturer: LIFELOC

Lot: 22HP441201

Expiration Date: 08/24/2024

### 0.100 Adjustment Wet Bath Simulator

Serial Number: DK4178

Verification Performed?

### Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/09/2023

### Blank (Water) Wet Bath Simulator

Serial Number: SD1176

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: 100673  
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Date: 07/18/2023  
Time: 08:46:39

OPERATOR NAME:  
TATIANA MALNOSKE  
CERTIFICATE #: 10437

Ca = 0.1000  
CAL = 0.989768    0.800 <= CAL < 1.200  
b1 = 0.0011    0.0000 <= b1 < 0.0040  
b2 = 0.0061    0.0010 <= b2 < 0.0100  
b3 = 0.0010    0.0000 <= b3 < 0.0040  
Xq = 0.0816    0.0500 <= Xq < 0.2000  
a21 = 1.201042    1.050 <= a21 < 1.300  
a31 = 0.440866    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100673

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/18/2023

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.82: 0.080  
LOT #: AG135004  
EXPIRATION: 12/16/2023  
TANK PRESSURE: 875 psi

BLANK TEST	0.000	09:14
INTERNAL STANDARD	VERIFIED	09:15
Xq = 0.082 (0.64%)		
EXTERNAL STANDARD	0.079	09:15
X[1] = 0.0787 (0.0000) (0.0032)		
BLANK TEST	0.000	09:16
EXTERNAL STANDARD	0.079	09:16
X[1] = 0.0788 (0.0008) (0.0028)		
BLANK TEST	0.000	09:17
EXTERNAL STANDARD	0.079	09:17
X[1] = 0.0795 (0.0008) (0.0032)		
BLANK TEST	0.000	09:18
EXTERNAL STANDARD	0.079	09:18
X[1] = 0.0791 (0.0002) (0.0029)		
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.079	09:19
X[1] = 0.0793 (0.0010) (0.0027)		
BLANK TEST	0.000	09:20

Average = 0.0790  
Std Dev = 0.0000

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.6°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.66 V	PASSED
(1.00 V - 2.32 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

### PUMP INFO

Flow Rate = 4.286 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
(0.002 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

Xq = 0.082	0.32%	(0.00% - 4.00%)	PASSED
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