

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100342

Analyst: Kaja Swisher

Date: 6/19/24

Supervised casework with  
Derek Walter 06/21/24 DMV

### Reason for Adjustment

Internal standard error and internal standard values close to 3%.  
2nd adjustment on same instrument performed for training purposes DMV 06/21/24

### 0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22MP41201

Expiration Date: 8/24/24

### 0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

### Calibrated External Thermometer

Serial Number: 23063106

Calibration Due Date: 9/19/25

### 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

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Alaska Department of Public Safety  
DATAMASTER dmt: 100342  
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Date: 06/19/2024  
Time: 10:31:28

OPERATOR NAME:  
KAIJA SWISHER  
CERTIFICATE #: 10746

Ca = 0.1000  
CAL = 0.985943    0.800 <= CAL < 1.200  
b1 = 0.0008    0.0000 <= b1 < 0.0040  
b2 = 0.0045    0.0010 <= b2 < 0.0100  
b3 = 0.0010    0.0000 <= b3 < 0.0040  
Xq = 0.0855    0.0500 <= Xq < 0.2000  
a21 = 1.186599    1.050 <= a21 < 1.300  
a31 = 0.494774    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: 06/19/2024

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.83: 0.080  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1185 psi

BLANK TEST	0.000	10:52
INTERNAL STANDARD	VERIFIED	10:52
Xq = 0.086 (0.71%)		
EXTERNAL STANDARD	0.081	10:52
X[1] = 0.0805 (0.0004) (0.0009)		
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.080	10:54
X[1] = 0.0796 (0.0003) (0.0013)		
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.080	10:55
X[1] = 0.0798 (-0.0001) (0.0008)		
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.080	10:56
X[1] = 0.0797 (0.0004) (0.0016)		
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.080	10:57
X[1] = 0.0799 (0.0008) (0.0018)		
BLANK TEST	0.000	10:58

Average = 0.0802  
Std Dev = 0.0004

## 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 = 43.5°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 = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

### PUMP INFO

Flow Rate = 4.243 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	PASSED
Xq = 0.085 0.20% (0.00% - 4.00%)	