

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100666

Analyst: Kaya Swisher

Date: 8/29/24

### Reason for Adjustment

VOC internal standard value greater than 3%. (3.72%)

### 0.100 Adjustment Simulator Solution

Manufacturer: Life Loc

Lot: 23IP41233

Expiration Date: 9/20/25

### 0.100 Adjustment Wet Bath Simulator

Serial Number: DR4176

Verification Performed?

### Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

### 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

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100666  
-----

Date: 08/29/2024  
Time: 10:27:05

OPERATOR NAME:  
KAIJA SWISHER  
CERTIFICATE #: 10746

Ca = 0.1000  
CAL = 0.981523    0.800 <= CAL < 1.200  
b1 = 0.0006    0.0000 <= b1 < 0.0040  
b2 = 0.0043    0.0010 <= b2 < 0.0100  
b3 = 0.0003    0.0000 <= b3 < 0.0040  
Xq = 0.0956    0.0500 <= Xq < 0.2000  
a21 = 1.150688    1.050 <= a21 < 1.300  
a31 = 0.531897    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100666

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/29/2024

## External Standard Test Values

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C PASSED  
Breath Tube = 45.4°C PASSED

### PUMP INFO

Flow Rate = 3.888 L/M PASSED

### DETECTOR INFO

PUMP ON FAILED  
PUMP OFF PASSED

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

### INTERNAL STANDARD

PASSED

Diagnostic Check Failed

Diagnostic check failed but passed when running VOC a second time.  
- KS 08/29/2024

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100666

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/29/2024

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.68: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1014 psi

BLANK TEST	0.000	10:47
INTERNAL STANDARD	VERIFIED	10:47
Xq = 0.096 (0.37%)		
EXTERNAL STANDARD	0.078	10:47
X[1] = 0.0777 (0.0010) (0.0027)		
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.078	10:48
X[1] = 0.0775 (0.0004) (0.0021)		
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.077	10:49
X[1] = 0.0773 (-0.0002) (0.0011)		
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.078	10:50
X[1] = 0.0776 (0.0002) (0.0019)		
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.078	10:52
X[1] = 0.0778 (0.0005) (0.0024)		
BLANK TEST	0.000	10:52

Average = 0.0778  
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 = 45.2°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.76 V	PASSED
(1.05 V - 2.45 V)	
Cooler Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Bias Voltage = 78 V	PASSED
(47 V - 109 V)	
Chopper Freq = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

### PUMP INFO

Flow Rate = 3.910 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 = 0.096 0.09% (0.00% - 4.00%)	