

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100387

Analyst: Kaiga Swisher

Date: 6/28/24

Supervised casework with Dereen  
Walter JMI 07/10/24

### Reason for Adjustment

Diagnostic check failures during VOC'S. Repeated adjustment for training purposes. VOC failed first attempt, passed second time. VOC failures in field due to internal standard. VOC fail post-adjustment due to pump on.

0.100 Adjustment Simulator Solution

0.100 Adjustment Wet Bath Simulator

Manufacturer: Life loc

Serial Number: SD1198

Lot: 22HP41201

Verification Performed?

Expiration Date: 8/24/24

Calibrated External Thermometer

Blank (Water) Wet Bath Simulator

Serial Number: 230631106

Serial Number: DRS298

Calibration Due Date: 9/19/2025

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: 06/28/2024  
Time: 11:03:32

OPERATOR NAME:  
KAIJA SWISHER  
CERTIFICATE #: 10746

Ca = 0.1000  
CAL = 1.009263    0.800 <= CAL < 1.200  
b1 = 0.0010    0.0000 <= b1 < 0.0040  
b2 = 0.0045    0.0010 <= b2 < 0.0100  
b3 = 0.0004    0.0000 <= b3 < 0.0040  
Xq = 0.0890    0.0500 <= Xq < 0.2000  
a21 = 1.172456    1.050 <= a21 < 1.300  
a31 = 0.469495    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: 06/28/2024

## External Standard Test Values

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 49.1°C PASSED  
Breath Tube = 44.8°C PASSED

### PUMP INFO

Flow Rate = 4.676 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

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100387

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/28/2024

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.69: 0.079  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 1027 psi

BLANK TEST	0.000	11:21
INTERNAL STANDARD	VERIFIED	11:21
Xq = 0.089 (0.29%)		
EXTERNAL STANDARD	0.082	11:22
X[1] = 0.0821 (0.0016) (0.0022)		
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.082	11:23
X[1] = 0.0822 (0.0020) (0.0017)		
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.082	11:24
X[1] = 0.0818 (0.0017) (0.0020)		
BLANK TEST	0.000	11:25
EXTERNAL STANDARD	0.082	11:25
X[1] = 0.0821 (0.0013) (0.0017)		
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.082	11:26
X[1] = 0.0819 (0.0016) (0.0016)		
BLANK TEST	0.000	11:27

Average = 0.0820  
Std Dev = 0.0000

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.6°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.83 V	PASSED
(1.10 V - 2.56 V)	
Cooler Voltage = 1.66 V	PASSED
(1.00 V - 2.32 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 542 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

### PUMP INFO

Flow Rate = 4.697 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.005 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 = 0.089 0.20%	PASSED
(0.00% - 4.00%)	