

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100367

Analyst: Carlie Haister

Date: 1/11/2024

Reason for Adjustment

Internal standard errors

0.100 Adjustment Simulator Solution

Manufacturer: Lifelog

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631506

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

Alaska Department of Public Safety
DATAMASTER dmt: 100367

Date: 01/11/2024
Time: 11:10:43

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.978876 0.800 <= CAL < 1.200
b1 = 0.0006 0.0000 <= b1 < 0.0040
b2 = 0.0059 0.0010 <= b2 < 0.0100
b3 = 0.0010 0.0000 <= b3 < 0.0040
Xq = 0.0846 0.0500 <= Xq < 0.2000
a21 = 1.181261 1.050 <= a21 < 1.300
a31 = 0.415672 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100367

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/11/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.93: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 611 psi

BLANK TEST	0.000	11:31
INTERNAL STANDARD	VERIFIED	11:31
Xq = 0.085 (0.72%)		
EXTERNAL STANDARD	0.081	11:32
X[1] = 0.0810 (-0.0008) (0.0000)		
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.080	11:33
X[1] = 0.0801 (-0.0008) (0.0009)		
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.080	11:34
X[1] = 0.0796 (-0.0011) (0.0008)		
BLANK TEST	0.000	11:35
EXTERNAL STANDARD	0.080	11:35
X[1] = 0.0802 (-0.0008) (0.0009)		
BLANK TEST	0.000	11:36
EXTERNAL STANDARD	0.080	11:36
X[1] = 0.0798 (-0.0012) (0.0008)		
BLANK TEST	0.000	11:37

Average = 0.0802
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.06
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.59 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.55 V	PASSED
(0.93 V - 2.17 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 530 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.750 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 0.51% (0.00% - 4.00%)