

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100411

Analyst: Carlie Flaister

Date: 1/11/2024

Reason for Adjustment

Internal standard above 3%.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

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: 100411

Date: 01/11/2024
Time: 11:27:28

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.978707 0.800 <= CAL < 1.200
b1 = 0.0003 0.0000 <= b1 < 0.0040
b2 = 0.0039 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0924 0.0500 <= Xq < 0.2000
a21 = 1.121994 1.050 <= a21 < 1.300
a31 = 0.474412 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/11/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: 09523080A1
EXPIRATION: 05/05/2025
TANK PRESSURE: 310 psi

BLANK TEST	0.000	11:52
INTERNAL STANDARD	VERIFIED	11:52
Xq = 0.093 (0.85%)		
EXTERNAL STANDARD	0.078	11:52
X[1] = 0.0779 (0.0000) (0.0022)		
BLANK TEST	0.000	11:53
EXTERNAL STANDARD	0.078	11:54
X[1] = 0.0780 (-0.0002) (0.0019)		
BLANK TEST	0.000	11:54
EXTERNAL STANDARD	0.078	11:55
X[1] = 0.0779 (-0.0011) (0.0021)		
BLANK TEST	0.000	11:56
EXTERNAL STANDARD	0.079	11:56
X[1] = 0.0785 (-0.0007) (0.0025)		
BLANK TEST	0.000	11:57
EXTERNAL STANDARD	0.078	11:57
X[1] = 0.0782 (-0.0002) (0.0017)		
BLANK TEST	0.000	11:58

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.91 V	PASSED
(1.15 V - 2.67 V)	
Cooler Voltage = 1.79 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 538 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.309 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	PASSED
Xq = 0.094 1.70% (0.00% - 4.00%)	