

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100675

Analyst: Carlie Glaister

Date: 11/7/23

Reason for Adjustment

Internal standard above 3% in VOC during eval

0.100 Adjustment Simulator Solution

Manufacturer: Lifecloc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1176

Verification Performed?

Calibrated External Thermometer

Serial Number: 210956384

Calibration Due Date: 11/9/23

Blank (Water) Wet Bath Simulator

Serial Number: DR4178

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: 100675

Date: 11/07/2023
Time: 09:12:45

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.987644 0.800 <= CAL < 1.200
b1 = 0.0013 0.0000 <= b1 < 0.0040
b2 = 0.0068 0.0010 <= b2 < 0.0100
b3 = 0.0012 0.0000 <= b3 < 0.0040
Xq = 0.0970 0.0500 <= Xq < 0.2000
a21 = 1.179594 1.050 <= a21 < 1.300
a31 = 0.439578 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/07/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.09: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 818 psi

BLANK TEST	0.000	09:30
INTERNAL STANDARD	VERIFIED	09:30
Xq = 0.098 (0.54%)		
EXTERNAL STANDARD	0.076	09:30
X[1] = 0.0761 (-0.0007) (0.0018)		
BLANK TEST	0.000	09:31
EXTERNAL STANDARD	0.076	09:31
X[1] = 0.0759 (-0.0009) (0.0014)		
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.076	09:32
X[1] = 0.0757 (-0.0010) (0.0013)		
BLANK TEST	0.000	09:33
EXTERNAL STANDARD	0.076	09:33
X[1] = 0.0757 (-0.0012) (0.0014)		
BLANK TEST	0.000	09:34
EXTERNAL STANDARD	0.076	09:35
X[1] = 0.0758 (-0.0005) (0.0018)		
BLANK TEST	0.000	09:35

Average = 0.0760
Std Dev = 0.0000

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.04 V	PASSED
(1.22 V - 2.86 V)	
Cooler Voltage = 1.86 V	PASSED
(1.12 V - 2.60 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 537 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.711 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.098 0.72% (0.00% - 4.00%)	