

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100359

Analyst: Tatiana Malocke

Date: 07/18/2023

Reason for Adjustment

Detector overflow and blank errors.

0.100 Adjustment Simulator Solution

Manufacturer: LIFELOC

Lot: 22HP441201

Expiration Date: 08/24/2024

0.100 Adjustment Wet Bath Simulator

Serial Number: DK4178

Verification Performed?

Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/09/2023

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: 100359

Date: 07/18/2023
Time: 09:11:48

OPERATOR NAME:
TATIANA MALNOSKE
CERTIFICATE #: 10437

Ca = 0.1000
CAL = 0.980402 0.800 <= CAL < 1.200
b1 = 0.0010 0.0000 <= b1 < 0.0040
b2 = 0.0040 0.0010 <= b2 < 0.0100
b3 = 0.0013 0.0000 <= b3 < 0.0040
Xq = 0.1055 0.0500 <= Xq < 0.2000
a21 = 1.143602 1.050 <= a21 < 1.300
a31 = 0.402188 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100359

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/18/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 1218 psi

BLANK TEST	0.000	09:37
INTERNAL STANDARD	VERIFIED	09:38
Xq = 0.106 (0.00%)		
EXTERNAL STANDARD	0.079	09:38
X[1] = 0.0793 (0.0009) (0.0016)		
BLANK TEST	0.000	09:39
EXTERNAL STANDARD	0.079	09:39
X[1] = 0.0789 (0.0013) (0.0013)		
BLANK TEST	0.000	09:40
EXTERNAL STANDARD	0.079	09:40
X[1] = 0.0789 (0.0003) (0.0010)		
BLANK TEST	0.000	09:41
EXTERNAL STANDARD	0.079	09:41
X[1] = 0.0790 (0.0003) (0.0014)		
BLANK TEST	0.000	09:42
EXTERNAL STANDARD	0.079	09:42
X[1] = 0.0788 (-0.0001) (0.0012)		
BLANK TEST	0.000	09:43

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.07
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.8°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.55 V	PASSED
(0.93 V - 2.17 V)	
Cooler Voltage = 1.50 V	PASSED
(0.90 V - 2.10 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.514 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.105 0.33% (0.00% - 4.00%)	