

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100365

Analyst: Carlisle Glaister

Date: 1/11/2024

Reason for Adjustment

Repaired detector's controller board. Internal standard error.

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: 100365

Date: 01/11/2024
Time: 11:02:33

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.996480 0.800 <= CAL < 1.200
b1 = 0.0001 0.0000 <= b1 < 0.0040
b2 = 0.0050 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0944 0.0500 <= Xq < 0.2000
a21 = 1.170176 1.050 <= a21 < 1.300
a31 = 0.448563 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100365

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/11/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.95: 0.080
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 615 psi

BLANK TEST	0.000	11:23
INTERNAL STANDARD	VERIFIED	11:24
Xq = 0.095 (0.28%)		
EXTERNAL STANDARD	0.079	11:24
X[1] = 0.0785 (-0.0007) (0.0017)		
BLANK TEST	0.000	11:25
EXTERNAL STANDARD	0.079	11:25
X[1] = 0.0788 (-0.0012) (0.0016)		
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.079	11:26
X[1] = 0.0788 (-0.0014) (0.0017)		
BLANK TEST	0.000	11:27
EXTERNAL STANDARD	0.079	11:27
X[1] = 0.0788 (-0.0012) (0.0021)		
BLANK TEST	0.000	11:28
EXTERNAL STANDARD	0.079	11:28
X[1] = 0.0787 (-0.0011) (0.0023)		
BLANK TEST	0.000	11:29

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.05 V	PASSED
(1.23 V - 2.87 V)	
Cooler Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 527 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.0 in	

PUMP INFO

Flow Rate = 4.576 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.004 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

Xq = 0.095 0.83%	PASSED
(0.00% - 4.00%)	