

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100355

Analyst: Megan Crouse

Date: 4/29/24

Supervised by Colleen O'Bryant
MNC 4/30/2024

Reason for Adjustment

Internal Standard at 19.42% during Evaluation. After a passing adjustment was performed, I performed another one as part of my training program.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22HP41701

Expiration Date: 8/24/2024

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/2025

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: 100355

Date: 04/29/2024
Time: 14:19:09

OPERATOR NAME:
MEGAN CROUSE
CERTIFICATE #: 10747

Ca = 0.1000
CAL = 0.986282 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0055 0.0010 <= b2 < 0.0100
b3 = 0.0009 0.0000 <= b3 < 0.0040
Xq = 0.1215 0.0500 <= Xq < 0.2000
a21 = 1.192981 1.050 <= a21 < 1.300
a31 = 0.530182 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100355

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/29/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.62: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 130 psi

BLANK TEST	0.000	14:39
INTERNAL STANDARD	VERIFIED	14:39
Xq = 0.122 (0.07%)		
EXTERNAL STANDARD	0.077	14:39
X[1] = 0.0768 (-0.0004) (0.0016)		
BLANK TEST	0.000	14:40
EXTERNAL STANDARD	0.077	14:40
X[1] = 0.0768 (-0.0007) (0.0014)		
BLANK TEST	0.000	14:41
EXTERNAL STANDARD	0.077	14:41
X[1] = 0.0765 (-0.0012) (0.0016)		
BLANK TEST	0.000	14:42
EXTERNAL STANDARD	0.077	14:43
X[1] = 0.0765 (-0.0011) (0.0015)		
BLANK TEST	0.000	14:43
EXTERNAL STANDARD	0.077	14:44
X[1] = 0.0769 (-0.0010) (0.0017)		
BLANK TEST	0.000	14:45

Average = 0.0770
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.2°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.80 V	PASSED
(1.08 V - 2.52 V)	
Cooler Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 524 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 5.221 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	PASSED
Xq = 0.122 0.22% (0.00% - 4.00%)	