

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100356

Analyst: Kayla Swisher

Date: 11/6/24

Reason for Adjustment

Internal standard above 3% on VOC.

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 231P41233

Expiration Date: 9/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR4176

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

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: 100356

Date: 11/06/2024
Time: 14:21:24

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.982943 0.800 <= CAL < 1.200
b1 = 0.0003 0.0000 <= b1 < 0.0040
b2 = 0.0051 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.1032 0.0500 <= Xq < 0.2000
a21 = 1.209418 1.050 <= a21 < 1.300
a31 = 0.478348 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100356

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/06/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.13: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 768 psi

BLANK TEST	0.000	14:52
INTERNAL STANDARD	VERIFIED	14:52
Xq = 0.104 (0.68%)		
EXTERNAL STANDARD	0.077	14:52
X[1] = 0.0773 (0.0009) (0.0023)		
BLANK TEST	0.000	14:53
EXTERNAL STANDARD	0.077	14:53
X[1] = 0.0771 (0.0003) (0.0020)		
BLANK TEST	0.000	14:54
EXTERNAL STANDARD	0.077	14:55
X[1] = 0.0774 (-0.0001) (0.0016)		
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.078	14:56
X[1] = 0.0776 (0.0003) (0.0015)		
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.078	14:57
X[1] = 0.0777 (0.0004) (0.0020)		
BLANK TEST	0.000	14:58

Average = 0.0774
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.819 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

Xq = 0.104	0.34%	(0.00% - 4.00%)	PASSED
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