

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100699

Analyst: Kaige Swisher

Date: 11/6/24

Reason for Adjustment

Internal standard errors on subject tests, interference detected
status message on VOC.

0.100 Adjustment Simulator Solution

Manufacturer: Life Loc

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: SD 1176

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: 100699

Date: 11/06/2024
Time: 14:08:01

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.982224 0.800 <= CAL < 1.200
b1 = 0.0008 0.0000 <= b1 < 0.0040
b2 = 0.0052 0.0010 <= b2 < 0.0100
b3 = 0.0005 0.0000 <= b3 < 0.0040
Xq = 0.0787 0.0500 <= Xq < 0.2000
a21 = 1.175117 1.050 <= a21 < 1.300
a31 = 0.408176 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100699

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/06/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.03: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 792 psi

BLANK TEST	0.000	14:23
INTERNAL STANDARD	VERIFIED	14:23
Xq = 0.079 (0.22%)		
EXTERNAL STANDARD	0.076	14:23
X[1] = 0.0760 (0.0011) (0.0025)		
BLANK TEST	0.000	14:24
EXTERNAL STANDARD	0.077	14:24
X[1] = 0.0768 (-0.0010) (0.0003)		
BLANK TEST	0.000	14:25
EXTERNAL STANDARD	0.077	14:25
X[1] = 0.0771 (0.0000) (0.0015)		
BLANK TEST	0.000	14:27
EXTERNAL STANDARD	0.078	14:27
X[1] = 0.0778 (0.0012) (0.0016)		
BLANK TEST	0.000	14:28
EXTERNAL STANDARD	0.076	14:28
X[1] = 0.0763 (-0.0008) (0.0003)		
BLANK TEST	0.000	14:29

Average = 0.0768
Std Dev = 0.0008

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Cooler Voltage = 1.51 V	PASSED
(0.91 V - 2.11 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 517 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.0 in	

PUMP INFO

Flow Rate = 4.037 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.079 0.22%	PASSED
(0.00% - 4.00%)	