

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100675

Analyst: Carlie Glaister

Date: 4/9/25

Reason for Adjustment

Previous internal standard errors & detector replacement.

0.100 Adjustment Simulator Solution

Manufacturer: Lifecloc

Lot: 23IP41233

Expiration Date: 9/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR5298

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: SD1202

Verification Performed? ☒

- ☒ Turn pump on/off in the technician screen to prevent pump error on VOC
- ☒ Attach "Cal Factors"
- ☒ Attach Verification of Calibration (VOC)
- ☒ Internal Standard Value $\leq 3.00\%$

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100675

Date: 04/08/2025
Time: 11:37:17

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca	=	0.1000		
CAL	=	0.986649	0.800	<= CAL < 1.200
b1	=	0.0018	0.0000	<= b1 < 0.0040
b2	=	0.0072	0.0010	<= b2 < 0.0100
b3	=	0.0015	0.0000	<= b3 < 0.0040
Xq	=	0.1044	0.0500	<= Xq < 0.2000
a21	=	1.180410	1.050	<= a21 < 1.300
a31	=	0.432043	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100675

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/08/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.09: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 353 psi

BLANK TEST 0.000 12:02

INTERNAL STANDARD VERIFIED 12:02

Xq = 0.105 (0.34%)

EXTERNAL STANDARD 0.077 12:02

X[1] = 0.0771 (-0.0002) (0.0012)

BLANK TEST 0.000 12:03

EXTERNAL STANDARD 0.077 12:04

X[1] = 0.0771 (-0.0014) (0.0012)

BLANK TEST 0.000 12:05

EXTERNAL STANDARD 0.077 12:05

X[1] = 0.0771 (-0.0009) (0.0012)

BLANK TEST 0.000 12:06

EXTERNAL STANDARD 0.077 12:06

X[1] = 0.0773 (-0.0007) (0.0014)

BLANK TEST 0.000 12:07

EXTERNAL STANDARD 0.077 12:07

X[1] = 0.0766 (-0.0015) (0.0007)

BLANK TEST 0.000 12:08

Average = 0.0770

Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 47.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.19 V PASSED
(1.31 V - 3.07 V)

Cooler Voltage = 1.94 V PASSED
(1.16 V - 2.70 V)

Bias Voltage = 80 V PASSED
(48 V - 112 V)

Chopper Freq = 538 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.832 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

Xq = 0.105 0.08% (0.00% - 4.00%) PASSED