

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100382

Analyst: Derek Watten

Date: 10/20/25

Reason for Adjustment

Elevated internal standard percent offset after internal
standard cleaning

0.100 Adjustment Simulator Solution

Manufacturer: Lifeline

Lot: 25C41280

Expiration Date: 03/19/2027

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/2027

Blank (Water) Wet Bath Simulator

Serial Number: ~~DR4~~ DR4176

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: 100382

Date: 10/20/2025
Time: 12:59:07

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000		
CAL	=	0.982484	0.800	<= CAL < 1.200
b1	=	0.0003	0.0000	<= b1 < 0.0040
b2	=	0.0059	0.0010	<= b2 < 0.0100
b3	=	0.0005	0.0000	<= b3 < 0.0040
Xq	=	0.0803	0.0500	<= Xq < 0.2000
a21	=	1.169428	1.050	<= a21 < 1.300
a31	=	0.464902	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100382

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/20/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.24: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 365 psi

BLANK TEST 0.000 13:18
INTERNAL STANDARD ✓ VERIFIED 13:18
Xq = 0.081 (1.30%)
EXTERNAL STANDARD 0.078 13:19
X[1] = 0.0776 (-0.0006) (0.0021)
BLANK TEST 0.000 13:20
EXTERNAL STANDARD 0.077 13:20
X[1] = 0.0768 (-0.0014) (0.0016)
BLANK TEST 0.000 13:21
EXTERNAL STANDARD 0.077 13:21
X[1] = 0.0773 (-0.0011) (0.0021)
BLANK TEST 0.000 13:22
EXTERNAL STANDARD 0.077 13:22
X[1] = 0.0770 (-0.0017) (0.0012)
BLANK TEST 0.000 13:23
EXTERNAL STANDARD 0.077 13:23
X[1] = 0.0773 (-0.0011) (0.0020)
BLANK TEST 0.000 13:24

Average = 0.0772

Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02 ✓

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

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

Breath Tube = 43.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.75 V PASSED
(1.05 V - 2.45 V)

Cooler Voltage = 1.62 V PASSED
(0.97 V - 2.27 V)

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

Chopper Freq = 526 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.2 in

PUMP INFO

Flow Rate = 4.534 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 ✓ PASSED

Xq = 0.082 2.16% (0.00% - 4.00%)