

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100360

Analyst: C. O. Bryant

Date: 12/29/22

Reason for Adjustment

Internal Standard errors + fatal system errors.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 21KP41172

Expiration Date: 11/9/23

0.100 Adjustment Wet Bath Simulator

Serial Number: 501177

Verification Performed?

Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/9/23

Blank (Water) Wet Bath Simulator

Serial Number: 501199

Verification Performed?

Attach "Cal Factors"

Attach Verification of Calibration (VOC)

Internal Standard Value \leq 3.00%

Incomplete VOC. Resulted in a gas flow error. Repair required.

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 12/29/2022
Time: 15:32:27

OPERATOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

Ca = 0.1000
CAL = 0.978278 0.800 <= CAL < 1.200
b1 = 0.0003 0.0000 <= b1 < 0.0040
b2 = 0.0060 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.1194 0.0500 <= Xq < 0.2000
a21 = 1.225135 1.050 <= a21 < 1.300
a31 = 0.508418 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100360

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/29/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 28.85: 0.077
LOT #: AGL13402
EXPIRATION: 05/14/2023
TANK PRESSURE: 675 psi

BLANK TEST 0.000 16:17
INTERNAL STANDARD VERIFIED 16:17
Xq = 0.119 (0.37%)

Gas Flow Error

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.9°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 42.7°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.01 V PASSED
(1.21 V - 2.81 V)
Cooler Voltage = 1.66 V PASSED
(0.99 V - 2.31 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 525 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 28.8 in

PUMP INFO

Flow Rate = 4.774 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 = 0.119 (0.15%) (0.00% - 4.00%) PASSED