

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100355

Analyst: C. O'Bryant

Date: 4/29/24

Reason for Adjustment

VOC on IS was 19.40% (100355 2024.02-29 Evaluation)

Internal standard on VOC was

COB 2024.04.30

0.100 Adjustment Simulator Solution

Manufacturer: Life/oc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: DR5298

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: 100355

Date: 04/29/2024
Time: 13:09:13

OPERATOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

Ca = 0.1000
CAL = 1.021747 0.800 <= CAL < 1.200
b1 = 0.0015 0.0000 <= b1 < 0.0040
b2 = 0.0069 0.0010 <= b2 < 0.0100
b3 = 0.0018 0.0000 <= b3 < 0.0040
Xq = 0.1213 0.0500 <= Xq < 0.2000
a21 = 1.190013 1.050 <= a21 < 1.300
a31 = 0.535086 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100355

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/29/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.63: 0.079
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 150 psi

BLANK TEST	0.000	13:30
INTERNAL STANDARD	VERIFIED	13:30
Xq = 0.121 (0.15%)		
EXTERNAL STANDARD	0.080	13:30
X[1] = 0.0803 (-0.0015) (0.0011)		
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.080	13:31
X[1] = 0.0803 (-0.0010) (0.0008)		
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.080	13:32
X[1] = 0.0803 (-0.0016) (0.0004)		
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.080	13:34
X[1] = 0.0801 (-0.0015) (0.0009)		
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.080	13:35
X[1] = 0.0803 (-0.0015) (0.0012)		
BLANK TEST	0.000	13:36

Average = 0.0800
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.8°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.80 V	PASSED
(1.08 V - 2.52 V)	
Cooler Voltage = 1.68 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 5.194 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.121 0.07% (0.00% - 4.00%)