

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100422

Analyst: C. O. Bryant

Date: 12/29/22

Reason for Adjustment

Filter won't zero, ambient fail + blank errors.

0.100 Adjustment Simulator Solution

Manufacturer: Life/oc

Lot: 21KPA1172

Expiration Date: 11/9/23

0.100 Adjustment Wet Bath Simulator

Serial Number: 001177

Verification Performed?

Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/9/23

Blank (Water) Wet Bath Simulator

Serial Number: 001199

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: 100422

Date: 12/29/2022
Time: 14:38:53

OPERATOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

Ca = 0.1000
CAL = 0.987615 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0066 0.0010 <= b2 < 0.0100
b3 = 0.0002 0.0000 <= b3 < 0.0040
Xq = 0.1096 0.0500 <= Xq < 0.2000
a21 = 1.230569 1.050 <= a21 < 1.300
a31 = 0.416828 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100422

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/29/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 28.87: 0.077
LOT #: AGL35004
EXPIRATION: 12/16/2023
TANK PRESSURE: 1018 psi

BLANK TEST	0.000	15:07
INTERNAL STANDARD	VERIFIED	15:07
Xq = 0.110	0.24%	
EXTERNAL STANDARD	0.076	15:07
X[1] = 0.0759 (-0.0007)	(0.0020)	
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.076	15:08
X[1] = 0.0762 (-0.0005)	(0.0022)	
BLANK TEST	0.000	15:09
EXTERNAL STANDARD	0.076	15:10
X[1] = 0.0759 (-0.0008)	(0.0019)	
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.076	15:11
X[1] = 0.0764 (-0.0009)	(0.0021)	
BLANK TEST	0.000	15:12
EXTERNAL STANDARD	0.077	15:12
X[1] = 0.0768 (-0.0009)	(0.0022)	
BLANK TEST	0.000	15:13

Average = 0.0762
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.91 V	PASSED
(1.15 V - 2.67 V)	
Cooler Voltage = 1.85 V	PASSED
(1.11 V - 2.59 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 525 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 28.9 in	

PUMP INFO

Flow Rate = 4.805 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

Xq = 0.109	0.16%	(0.00% - 4.00%)	PASSED
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