

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100387

Analyst: Kaija Swisher

Date: 6/28/24

Supervised casework with
Derek Walton 07/10/24

Reason for Adjustment

Diagnostic check failures during VOCs. Diagnostic check failed after adjustment, but then passed after running again. VOC failures in field due to internal standard. Voc fail post-adjustment due to Pump on.

0.100 Adjustment Simulator Solution

0.100 Adjustment Wet Bath Simulator

Manufacturer: LifeLoc (0.100)

Serial Number: SD1198

Lot: 22HP41201

Verification Performed?

Expiration Date: 8/24/24

Calibrated External Thermometer

Blank (Water) Wet Bath Simulator

Serial Number: 230631106

Serial Number: DR5298

Calibration Due Date: 9/19/2025

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: 100387

Date: 06/28/2024
Time: 10:35:07

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 1.000855 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0045 0.0010 <= b2 < 0.0100
b3 = 0.0007 0.0000 <= b3 < 0.0040
Xq = 0.0883 0.0500 <= Xq < 0.2000
a21 = 1.172182 1.050 <= a21 < 1.300
a31 = 0.482023 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100387

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date:06/28/2024

External Standard Test Values

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C PASSED
Breath Tube = 45.2°C PASSED

PUMP INFO

Flow Rate = 4.755 L/M PASSED

DETECTOR INFO

PUMP ON FAILED
PUMP OFF PASSED

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

PASSED

Diagnostic Check Failed

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100387

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/28/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.70: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1043 psi

BLANK TEST	0.000	10:56
INTERNAL STANDARD	VERIFIED	10:56
Xq = 0.089 (0.59%)		
EXTERNAL STANDARD	0.081	10:56
X[1] = 0.0811 (0.0005) (0.0025)		
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.081	10:57
X[1] = 0.0808 (0.0003) (0.0017)		
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.081	10:58
X[1] = 0.0810 (0.0008) (0.0021)		
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.081	10:59
X[1] = 0.0811 (0.0006) (0.0014)		
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.081	11:00
X[1] = 0.0809 (0.0005) (0.0017)		
BLANK TEST	0.000	11:01

Average = 0.0810
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.83 V	PASSED
(1.10 V - 2.56 V)	
Cooler Voltage = 1.66 V	PASSED
(1.00 V - 2.32 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 543 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.771 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.089	0.89%	(0.00% - 4.00%)	PASSED
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