

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100398

Analyst: Carlie Glaister

Date: 4/8/25

Reason for Adjustment

Previous internal standard errors.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 23IP41233

Expiration Date: 9/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR5298

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: SD1202

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: 100398

Date: 04/08/2025
Time: 11:07:27

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca	=	0.1000		
CAL	=	0.997676	0.800	<= CAL < 1.200
b1	=	0.0004	0.0000	<= b1 < 0.0040
b2	=	0.0065	0.0010	<= b2 < 0.0100
b3	=	0.0008	0.0000	<= b3 < 0.0040
Xq	=	0.0822	0.0500	<= Xq < 0.2000
a21	=	1.234982	1.050	<= a21 < 1.300
a31	=	0.485940	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100398

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/08/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.02: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 365 psi

BLANK TEST	0.000	11:29
INTERNAL STANDARD	VERIFIED	11:29
Xq = 0.083 (0.42%)		
EXTERNAL STANDARD	0.077	11:29
X[1] = 0.0773 (-0.0014) (0.0029)		
BLANK TEST	0.000	11:30
EXTERNAL STANDARD	0.078	11:31
X[1] = 0.0777 (-0.0010) (0.0035)		
BLANK TEST	0.000	11:31
EXTERNAL STANDARD	0.077	11:32
X[1] = 0.0774 (-0.0019) (0.0032)		
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.077	11:33
X[1] = 0.0774 (-0.0021) (0.0031)		
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.077	11:34
X[1] = 0.0773 (-0.0020) (0.0032)		
BLANK TEST	0.000	11:35

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 = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.85 V	PASSED
(1.11 V - 2.59 V)	
Cooler Voltage = 1.66 V	PASSED
(1.00 V - 2.32 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 531 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.0 in	

PUMP INFO

Flow Rate = 4.124 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

Xq = 0.083	0.63%	(0.00% - 4.00%)
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