Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Analyst(s):	Effective: 10/10/2022	Version: 3.0
Visual Inspection ☐ Clean ☐ Replace missing screws ☐ Cermetex Box (modem) is secure ☐ Double Check Valve secured to wall ☐ All tubing and connections secure ☐ O-ring inspection and ensure 2 replacement O-rings in bag As Found Conditions: Barometric Pressure (inHg): ☐ Temperature (C): ☐ Relative Humidity (%) ☐ Linearity Test (attached) ☐ 0.020g/210L Mnf: ☐ Lot: ☐ Exp: ☐ 0.080g/210L Mnf: ☐ Lot: ☐ Exp: ☐ 0.080g/210L Mnf: ☐ Lot: ☐ Exp: ☐ 0.0300g/210L Mnf: ☐ Lot: ☐ Exp: ☐ 0.080g/210L Mnf: ☐ Lot: ☐ Exp: ☐ O.080g/210L Mnf: ☐ O.080g/2	Instrument #: <u>/00405</u> Ana Start Date: <u>/0/14/33</u> Date Received: <u>/0/14/33</u>	lyst(s): C. O'Byant
Clean	Reason for instrument evaluation	
Double Check Valve secured to wall ☐ O-ring inspection and ensure 2 replacement O-rings in bag As Found Conditions: Barometric Pressure (inHg): ☐ Temperature (C): ☐ Relative Humidity (%) Linearity Test (attached) ☐ 0.020g/210L Mnf: ☐ 0.080g/210L Mnf: ☐ Lot: ☐ Exp: ☐ 0.300g/210L Mnf: ☐ Exp: ☐ 0.300g/210L Mnf: ☐ Voc: ☐ Exp: ☐ 0.300g/210L Mnf: ☐ Voc: ☐ Exp: ☐ 0.300g/210L Mnf: ☐ Voc: ☐ Verify software version ☐ Verify sof		Replace missing screws
As Found Conditions: Barometric Pressure (inHg):Temperature (C):Relative Humidity (%)	☑ Cermetex Box (modem) is secure	☑ Ensure modem cable present
As Found Conditions: Barometric Pressure (inHg):	☑ Double Check Valve secured to wall	All tubing and connections secure
Linearity Test (attached) 0.020g/210L Mnf: Lot: Exp: 0.080g/210L Mnf: Lot: Exp: 0.300g/210L Mnf: Lot: Exp: Notes Diagnowho failed Themal Standard error	☑ O-ring inspection and ensure 2 replacement O-rings in bag	
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0.080g/210L Mnf:Lot:Exp:		: Exp:
Notes Diagnowhic failed: Internal Standard error:	0.080g/210L Mnf:Lot	
Diagnostic failed. Internal Standard error. Undek to gertain as -faind. Recommend Endjustment Verify software version Voc Internal Standard value ≤ 3.00% Non-Drinking Subject Test (attached) Vinable to gertain CoB 2023.11.20 Ready for Adjustment Ready for Calibration Ready for Calibratic Ready for Calibration Ready for Calibration Ready for Calibration Ready for Calibration Ready for Calibratic Ready for Calibration Ready for Calibratic		:Exp:
VOC (attached) Voc Internal Standard value ≤ 3.00% Non-Drinking Subject Test (attached) Voc Internal Standard value ≤ 3.00% Needs Repair COB 2023.11.20 Ready for Adjustment Ready for Calibration End Date: Voc Internal Standard value ≤ 3.00% Non-Drinking Subject Test (attached) Vocable to perform COB 2023.11.20		Takenal (the select of
VOC (attached) Voc Internal Standard value ≤ 3.00% Non-Drinking Subject Test (attached) Voc Internal Standard value ≤ 3.00% Needs Repair COB 2023.11.20 Ready for Adjustment Ready for Calibration End Date: Voc Internal Standard value ≤ 3.00% Non-Drinking Subject Test (attached) Vocable to perform COB 2023.11.20	Unche to conferm as -+	Tripol Recommend Adil Jenout
VOC Internal Standard value ≤ 3.00% Non-Drinking Subject Test (attached) Vinable to gertario. Condition of item: Sood Needs Repair COB 2023.11.20 Ready for Adjustment Ready for Calibration End Date: 10/17/33	- Sperian - Sper	Charles To Contract To Contrac
Page 1 of 1	Condition of item: ☐ Good COB 2023.11.2 Ready for Adjustment ☐ Ready for Calibration	Non-Drinking Subject Test (attached) Unable to pertano. Repair
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Approved by: Chemistry Supervisor

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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100405

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/17/2023

FAILED

External Standard Test Values

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 49.0°C PASSED Breath Tube = 47.4°C PASSED

PUMP INFO

Flow Rate = 4.972 L/M PASSED

DETECTOR INFO

 PUMP
 ON
 PASSED

 PUMP
 OFF
 PASSED

FILTER INFO

Filter 1 PASSED Filter 2 PASSED Filter 3 PASSED

INTERNAL STANDARD

Diagnostic Check Failed

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100405 Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/17/2023

PASSED

External Standard Test Values

EXTERNAL STANDARD INFORMATION

080.0 :LANIMON

TARGET AT 29.11: 0.078 LOT #: 09523080A1 EXPIRATION: 05/05/2025

TANK PRESSURE: 679 psi

BLANK TEST INTERNAL STANDARD Xq = 0.092 (4.14%) 0.000 16:33 ERROR 16:33

Internal Standard Error

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C (44.0°C - 52.0°C)

(44.0 C - 52.0 C) Breath Tube = 46.7 °C (38.0 °C - 50.0 °C)

SETTINGS

 $\begin{array}{lll} \text{Lamp Voltage} &= 1.69 \text{ V} \\ & (1.03 \text{ V} - 2.41 \text{ V}) \\ \text{Cooler Voltage} &= 1.74 \text{ V} \end{array}$

(1.03 V - 2.39 V)Bias Voltage = 81 V (49 V - 113 V)

Chopper Freq = 512 Hz (475 Hz - 575 Hz)

Barometer = 29.1 in

PUMP INFO

Flow Rate = 5.006 L/M(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON (0.002 V <= 0.010 V)

PUMP OFF (0.003 V <= 0.010 V)

FILTER INFO Filter l

Filter 2 Filter 3

PASSED

INTERNAL STANDARD P Xq = 0.092 3.65% (0.00% - 4.00%)

PASSED-