

ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100151
Location: NEWPORT PD
Calibration Date: 03/31/2021
Certification Date: 03/31/2021
Installation Date: 04/09/2021
APM Date: 03/16/2023
Performed by: SARAH STRATTON



Diagnostic Results

VERSIONS

DMT: 2.06
PIC: 3.07
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 44.4°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.84 V
Cooler Voltage = 1.83 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 4.859 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0144	-0.0091
MIN (V)	-0.0159	-0.0106

FILTER INFO

Filter	Value	Zero
Filter 1	-0.010	true
Filter 2	0.343	true
Filter 3	1.097	true

CALIBRATION CHECK

Xq = 0.089 0.99%

APM PASSED

Simulator Vapor Test

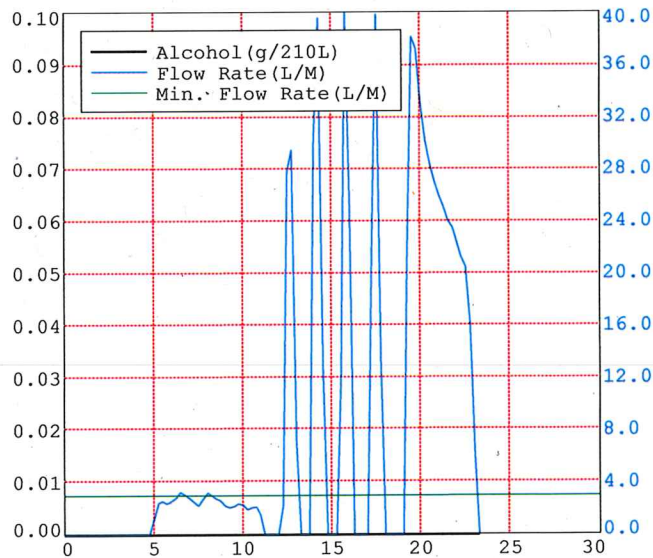
Concentration = 0.100 g/210L
Lot # = 23-01-100
Range = 0.095 - 0.105
Simulator Vapor = 0.097 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS SJS

Date

03/16/2023

Reviewed by

AS

Date

3/24/23

DMT Serial Number #100151

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SJS

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VERMONT FORENSIC LABORATORY

Simulator Temperature Check

Simulator Serial Number:

MP3497

DMT Serial Number / Simulator Location:

100151/Newport PD

NIST Traceable Thermometer Serial Number:

21FMM02249

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	33.89	33.99	0.10	Y

* $\pm 0.10^{\circ}\text{C}$ agreement between thermometer and simulator* $34.0 \pm 0.2^{\circ}\text{C}$ acceptable rangeWas temperature adjustment performed? Y / N

As Left (if applicable)

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.00	34.00	0.00	Y

Notes:

Check Performed By:

SJSDate: 3/16/2023

Reviewed by:

ASDate: 3/24/20