

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: 04/09/2021
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 = 42.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.84 V
Cooler Voltage = 1.83 V
Bias Voltage = 80 V
Chopper Freq = 529 Hz

PUMP INFO

Flow Rate = 4.944 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0307	0.0350
MIN (V)	0.0289	0.0335

FILTER INFO

Filter	Value	Zero
Filter 1	0.035	true
Filter 2	0.368	true
Filter 3	1.134	true

CALIBRATION CHECK

Xq = 0.088 0.39%

APM PASSED

Simulator Vapor Test

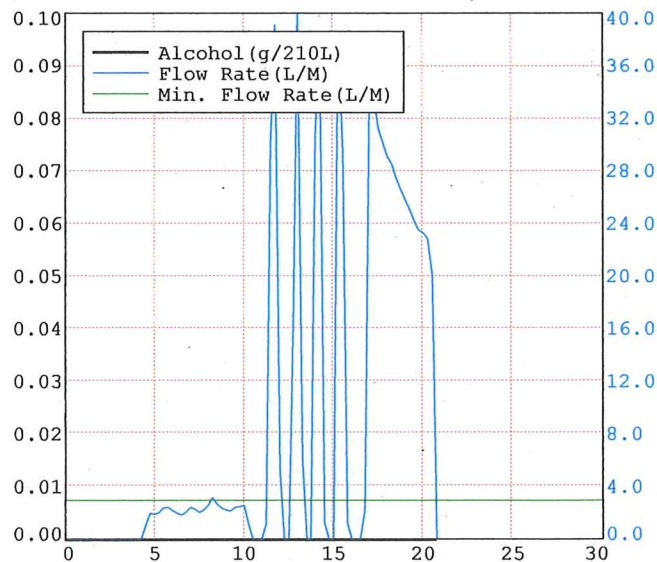
Concentration = 0.100 g/210L
Lot # = 21-05-100
Range = 0.095 - 0.105
Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS SJS

Date

04/09/2021

Reviewed by

AS

Date

4/12/21

Simulator Temperature Check

Simulator Serial Number:

MP3497

DMT Serial Number / Simulator Location:

100151 / Newport PD

NIST Traceable Thermometer Serial Number:

192420790

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.11°C	34.00°C	0.11	N

* $\pm 0.10^{\circ}\text{C}$ 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°C	33.99°C	0.01	Y

Notes:

Check Performed By:

SJS

Date:

4/9/2021

Reviewed by:

[Signature]

Date:

4/12/21