

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: 03/14/2024
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 = 43.9°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.84 V
Cooler Voltage = 1.83 V
Bias Voltage = 80 V
Chopper Freq = 532 Hz

PUMP INFO

Flow Rate = 4.941 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0207	0.0268
MIN(V)	0.0191	0.0254

FILTER INFO

Filter 1	0.026	Zero = true
Filter 2	0.383	Zero = true
Filter 3	1.114	Zero = true

CALIBRATION CHECK

Xq = 0.089 1.18%

APM PASSED

Simulator Vapor Test

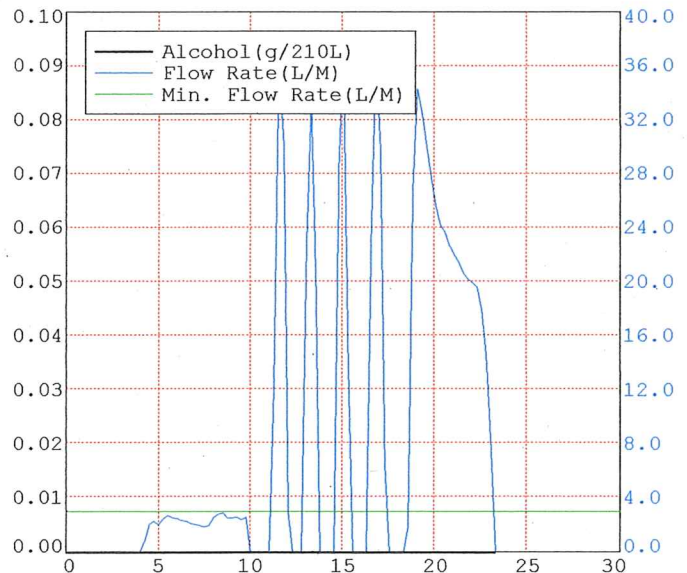
Concentration = 0.099 g/210L
Lot # = 23-08-100
Range = 0.094 - 0.104
Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS

Date

03/14/2024

Reviewed by

SJS

Date

3/22/24

SJS

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	34.00	34.00	0.00	Y

* $\pm 0.10^{\circ}\text{C}$ agreement between thermometer and simulator* $34.0 \pm 0.2^{\circ}\text{C}$ acceptable range

Was temperature adjustment performed?

Y / (N)

As Left (if applicable)

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

Notes:

Check Performed By:

SJS

Date:

3/14/2024

Reviewed by:

SJS

Date:

3/22/24