

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: 03/17/2022
Performed by: SARAH STRATTON

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 41.6°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.84 V
Cooler Voltage = 1.84 V
Bias Voltage = 80 V
Chopper Freq = 533 Hz

PUMP INFO

Flow Rate = 4.812 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	-0.0630	-0.0561
MIN(V)	-0.0646	-0.0575

FILTER INFO

Filter	Value	Zero
Filter 1	-0.057	true
Filter 2	0.292	true
Filter 3	1.051	true

CALIBRATION CHECK

Xq = 0.088 0.20%

APM PASSED

Simulator Vapor Test

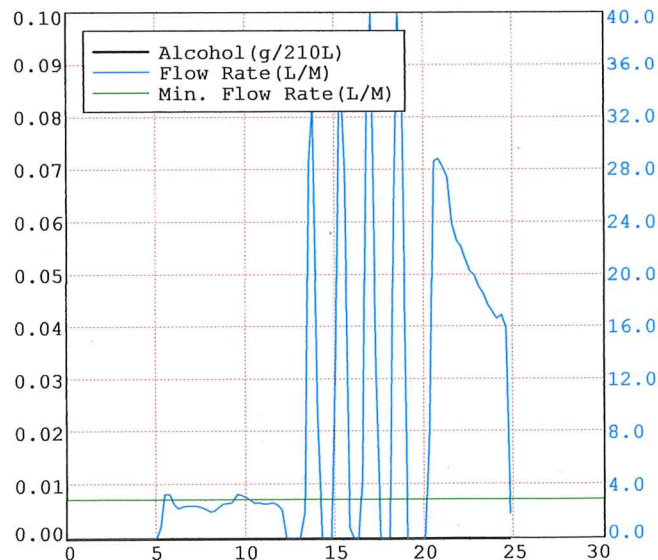
Concentration = 0.100 g/210L
Lot # = 21-11-100
Range = 0.095 - 0.105
Simulator Vapor = 0.097 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS

Date

03/17/2022

Reviewed by

AS

Date

3/23/22

VERMONT FORENSIC LABORATORY

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	34.03°C	34.00°C	0.03	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:

3/17/2022

Reviewed by:

AS

Date:

3/23/22