

ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100145
Location: BRIGHTON PD
Calibration Date: 04/27/2017
Certification Date: 04/27/2017
Installation Date: 04/28/2017
APM Date: 03/16/2023
Performed by: SARAH STRATTON



Diagnostic Results

VERSIONS

DMT: 2.06
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 49.0°C
Breath Tube = 47.2°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.60 V
Bias Voltage = 80 V
Chopper Freq = 538 Hz

PUMP INFO

Flow Rate = 5.676 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.6092	0.6138
MIN (V)	0.6071	0.6118

FILTER INFO

Filter	Value	Zero
Filter 1	0.613	true
Filter 2	1.130	true
Filter 3	1.895	true

CALIBRATION CHECK

Xq = 0.125 0.36%

APM PASSED

Simulator Vapor Test

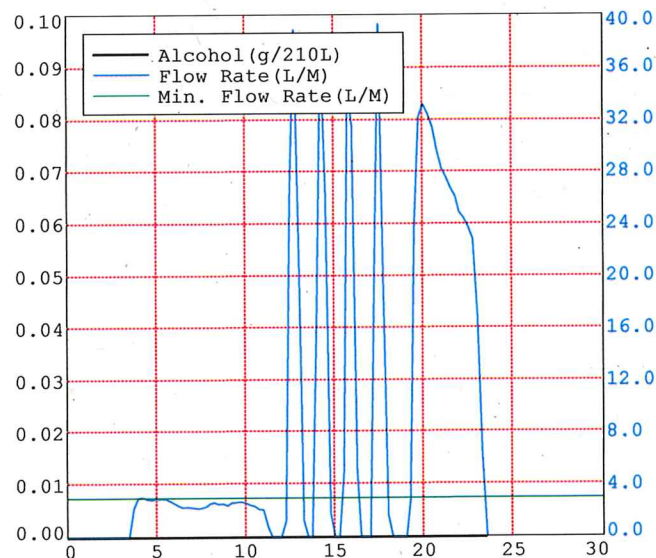
Concentration = 0.100 g/210L
Lot # = 22-15-100
Range = 0.095 - 0.105
Simulator Vapor = 0.099 g/210L

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

Simulator Temperature Check

Simulator Serial Number:

MP3492

DMT Serial Number / Simulator Location:

100145 / Brighton PD

NIST Traceable Thermometer Serial Number:

21FMM02249

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	33.89	34.00	0.11	N

* $\pm 0.10^{\circ}\text{C}$ 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	34.00	34.00	0.00	Y

Notes:

Check Performed By:

SJS

Date:

3/16/2023

Reviewed by:

SJS

Date:

3/24/20