

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: 03/17/2022
Performed by: SARAH STRATTON



Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 45.0°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.60 V
Bias Voltage = 80 V
Chopper Freq = 541 Hz

PUMP INFO

Flow Rate = 5.742 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.5270	0.5319
MIN(V)	0.5252	0.5297

FILTER INFO

Filter	Value	Zero
Filter 1	0.530	true
Filter 2	1.058	true
Filter 3	1.839	true

CALIBRATION CHECK

Xq = 0.125 0.21%

APM PASSED

Simulator Vapor Test

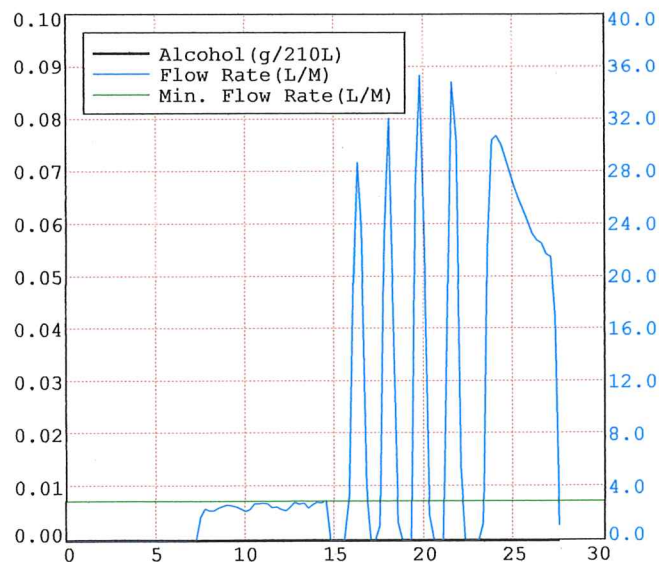
Concentration = 0.099 g/210L
Lot # = 21-12-100
Range = 0.094 - 0.104
Simulator Vapor = 0.099 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS

Date

03/17/2022

Reviewed by

AS

Date

3/23/22

Simulator Temperature Check

Simulator Serial Number:

MP3492

DMT Serial Number / Simulator Location:

100145 / Brighton PD

NIST Traceable Thermometer Serial Number:

192420790

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.02°C	34.00°C	0.02	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:

AB

Date:

3/23/22