

ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100140
 Location: BRADFORD VSP
 Calibration Date: 04/12/2017
 Certification Date: 04/12/2017
 Installation Date: 04/13/2017
 APM Date: 06/28/2022
 Performed by: JEFFERY DUKETTE



Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C
 Breath Tube = 46.3°C
 Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.59 V
 Cooler Voltage = 1.55 V
 Bias Voltage = 80 V
 Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 5.638 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.4868	0.4890
MIN (V)	0.4854	0.4878

FILTER INFO

Filter 1	0.488	Zero = true
Filter 2	0.834	Zero = true
Filter 3	1.373	Zero = true

CALIBRATION CHECK

Xq = 0.079 0.77%

APM PASSED

Simulator Vapor Test

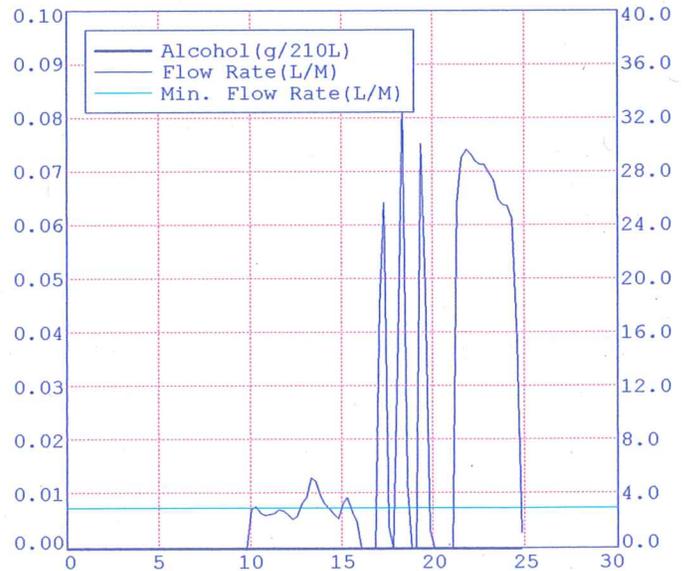
Concentration = 0.100 g/210L
 Lot # = 21-04-100
 Range = 0.095 - 0.105
 Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed
 RF detected

Sample Acceptance Test

Passed



Performed by JSD

Date 06/28/2022

Reviewed by JSD

Date 7/12/22

Simulator Temperature Check

Simulator Serial Number:

MP3510

DMT Serial Number / Simulator Location:

100140 / USP Bradford

NIST Traceable Thermometer Serial Number:

ZIFMM02249

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.02	34.01	0.01	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:

[Signature]

Date:

6/28/22

Reviewed by:

[Signature]

Date:

7/12/22