

# 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: 06/27/2023  
 Performed by: JEFFERY DUKETTE

## Diagnostic Results

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.9°C  
 Breath Tube = 47.3°C  
 Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.59 V  
 Cooler Voltage = 1.55 V  
 Bias Voltage = 80 V  
 Chopper Freq = 529 Hz

### PUMP INFO

Flow Rate = 5.675 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.5390	0.5413
MIN (V)	0.5372	0.5394

### FILTER INFO

Filter	Value	Zero
Filter 1	0.541	Zero = true
Filter 2	0.884	Zero = true
Filter 3	1.412	Zero = true

### CALIBRATION CHECK

Xq = 0.079 0.77%

**APM PASSED**

## Simulator Vapor Test

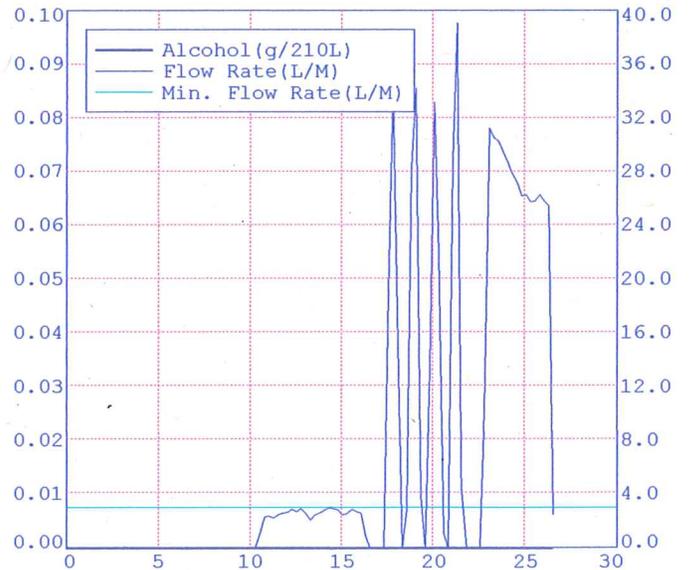
Concentration = 0.101 g/210L  
 Lot # = 23-02-100  
 Range = 0.096 - 0.106  
 Simulator Vapor = 0.101 g/210L

## RF Detection Test

Passed  
 RF detected

## Sample Acceptance Test

Passed



Performed by

Date 06/27/2023

Reviewed by

Date 6/29/23

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:

6/27/23

Reviewed by:

[Signature]

Date:

6/29/23