

# ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100158  
 Location: NORTHFIELD PD  
 Calibration Date: 07/26/2023  
 Certification Date: 07/26/2023  
 Installation Date: 09/06/2023  
 APM Date: 09/06/2023  
 Performed by: JEFFERY DUKETTE

## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 48.8°C  
 Breath Tube = 44.6°C  
 Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.57 V  
 Cooler Voltage = 1.58 V  
 Bias Voltage = 80 V  
 Chopper Freq = 559 Hz

### PUMP INFO

Flow Rate = 5.393 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0551	0.0583
MIN (V)	0.0537	0.0567

### FILTER INFO

Filter 1	0.057	Zero = true
Filter 2	0.417	Zero = true
Filter 3	1.360	Zero = true

### CALIBRATION CHECK

Xq = 0.097 1.64%

**APM PASSED**

## Simulator Vapor Test

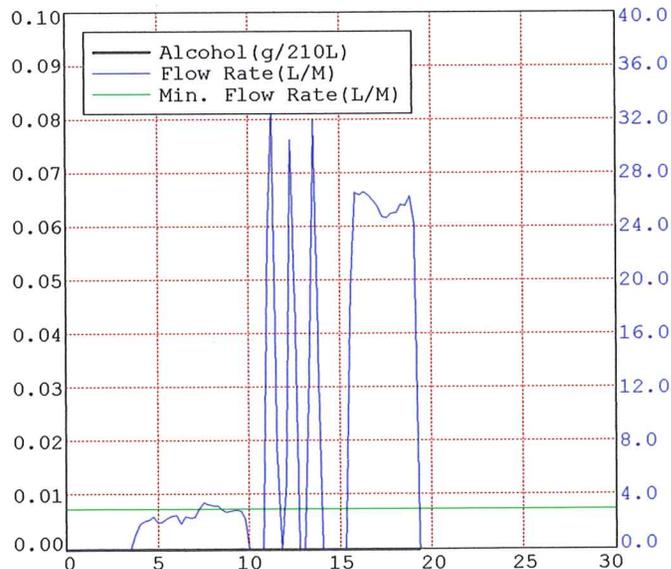
Concentration = 0.100 g/210L  
 Lot # = 22-04-100  
 Range = 0.095 - 0.105  
 Simulator Vapor = 0.102 g/210L

## RF Detection Test

Passed  
 RF detected

## Sample Acceptance Test

Passed



Performed by

*[Signature]*

Date

09/06/2023

Reviewed by

*[Signature]*

Date

9/12/23

Simulator Temperature Check

Simulator Serial Number: MP3455  
 DMT Serial Number / Simulator Location: 100158/Northfield PD  
 NIST Traceable Thermometer Serial Number: 21FMM02249

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.00	33.98	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: [Signature] Date: 9/6/23  
 Reviewed by: [Signature] Date: 9/12/23