

# ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100151  
Location: NEWPORT PD  
Calibration Date: 03/31/2021  
Certification Date: 03/31/2021  
Installation Date: 04/09/2021  
APM Date: 03/11/2025  
Performed by: AMANDA BOLDUC

## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 48.8°C  
Breath Tube = 43.5°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.84 V  
Cooler Voltage = 1.84 V  
Bias Voltage = 80 V  
Chopper Freq = 535 Hz

### PUMP INFO

Flow Rate = 4.663 L/M

### DETECTOR INFO

| PUMP    | ON     | OFF    |
|---------|--------|--------|
| MAX (V) | 0.0628 | 0.0683 |
| MIN (V) | 0.0610 | 0.0669 |

### FILTER INFO

|          |       |             |
|----------|-------|-------------|
| Filter 1 | 0.067 | Zero = true |
| Filter 2 | 0.427 | Zero = true |
| Filter 3 | 1.141 | Zero = true |

### CALIBRATION CHECK

Xq = 0.090 1.87%

APM PASSED

## Simulator Vapor Test

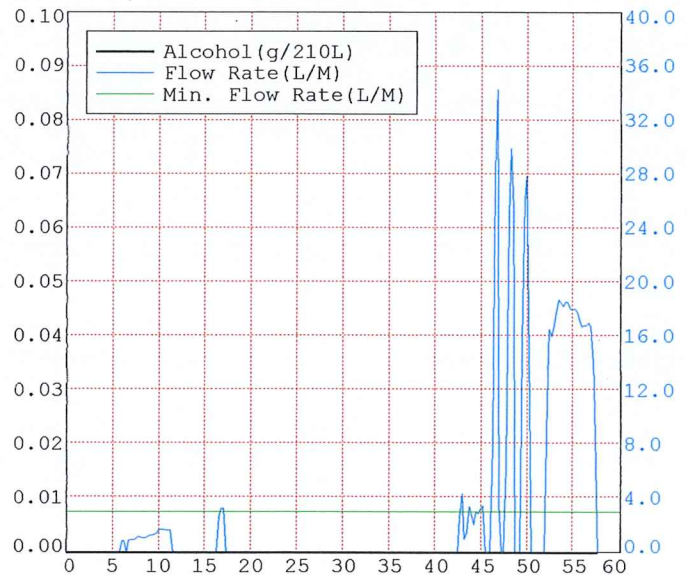
Concentration = 0.101 g/210L  
Lot # = 24-10-100  
Range = 0.096 - 0.106  
Simulator Vapor = 0.097 g/210L

## RF Detection Test

Passed  
RF detected

## Sample Acceptance Test

Passed



Performed by

Date

03/11/2025

Reviewed by

Date

3/11/2025

DMT Serial Number #100151

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BMS Observed

100151 1 of 2

## Simulator Temperature Check

Simulator Serial Number:

MP 3497

DMT Serial Number:

100151

Simulator Location:

Newport PD

NIST Traceable Thermometer Serial Number:

21FMM02249

## As Found

| Item                  | Thermometer Temperature | Simulator Temperature | Difference | Within Tolerance?* |
|-----------------------|-------------------------|-----------------------|------------|--------------------|
| Guth 12V500 Simulator | 34.00                   | 34.00                 | Ø          | Y / N              |

\*  $\pm 0.10^{\circ}\text{C}$  agreement between thermometer and simulator\* Simulator temperature reads  $34.00 \pm 0.05^{\circ}\text{C}$ 

Was temperature adjustment performed?

Y / N

## As Left (if applicable)

| Item                  | Thermometer Temperature | Simulator Temperature | Difference | Within Tolerance?* |
|-----------------------|-------------------------|-----------------------|------------|--------------------|
| Guth 12V500 Simulator |                         |                       |            | Y / N              |

Notes:

BMS observed

Check Performed By:

[Signature]

Date:

3/11/25

Reviewed by:

[Signature]

Date:

3/11/2025