

ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100146
Location: MIDDLESEX VSP
Calibration Date: 05/18/2021
Certification Date: 05/18/2021
Installation Date: 05/26/2021
APM Date: 07/09/2021
Performed by: SARAH STRATTON

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 45.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.61 V
Cooler Voltage = 1.59 V
Bias Voltage = 80 V
Chopper Freq = 554 Hz

PUMP INFO

Flow Rate = 4.934 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0343	0.0390
MIN(V)	0.0329	0.0378

FILTER INFO

Filter	Value	Zero
Filter 1	0.038	true
Filter 2	0.265	true
Filter 3	0.532	true

CALIBRATION CHECK

Xq = 0.114 2.94%

APM PASSED

Simulator Vapor Test

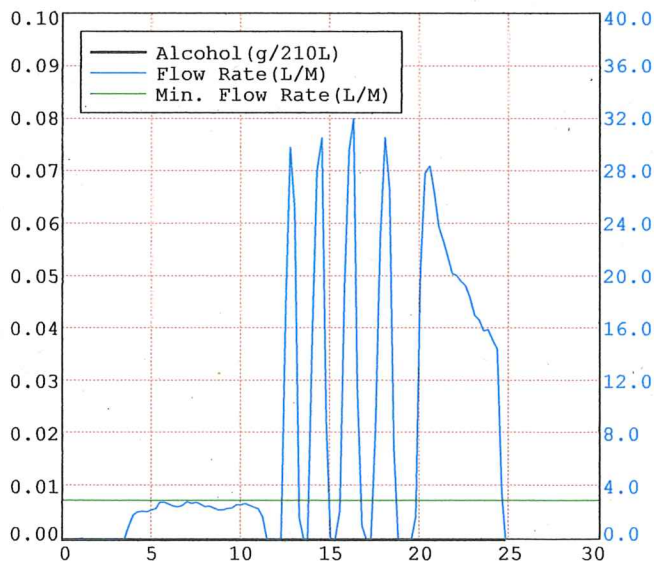
Concentration = 0.100 g/210L
Lot # = 21-06-100
Range = 0.095 - 0.105
Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS SJS

Date

07/09/2021

Reviewed by

AS

Date

7/13/21

Simulator Temperature Check

Simulator Serial Number:

MP3480

DMT Serial Number / Simulator Location:

100146 / VSP Middlesex

NIST Traceable Thermometer Serial Number:

210029857

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.03°C	33.99°C	0.04	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:

7/9/2021

Reviewed by:

AB

Date:

7/13/21