

ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100144
Location: SPRINGFIELD PD
Calibration Date: 04/14/2017
Certification Date: 04/14/2017
Installation Date: 04/18/2017
APM Date: 02/06/2023
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 = 46.9°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.66 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 530 Hz

PUMP INFO

Flow Rate = 5.853 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.5144	0.5175
MIN (V)	0.5130	0.5157

FILTER INFO

Filter	Value	Zero
Filter 1	0.516	true
Filter 2	1.079	true
Filter 3	1.881	true

CALIBRATION CHECK
Xq = 0.082 1.50%

APM PASSED

Simulator Vapor Test

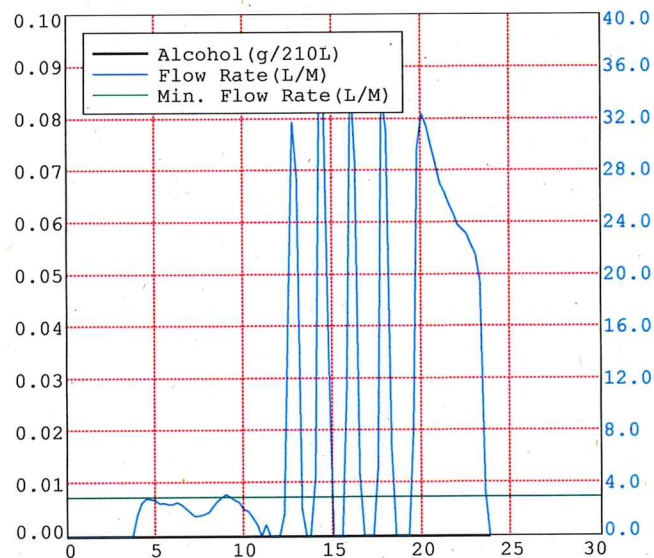
Concentration = 0.098 g/210L
Lot # = 22-14-100
Range = 0.093 - 0.103
Simulator Vapor = 0.096 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS

Date

02/06/2023

Reviewed by

AS

Date

2/9/23

VERMONT FORENSIC LABORATORY

Simulator Temperature Check

Simulator Serial Number:

MP3511

DMT Serial Number / Simulator Location:

100144/Springfield PD

NIST Traceable Thermometer Serial Number:

21FMM02249

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	33.90 33.91 808 2/6/2023	34.00	0.09 0.10 808 2/6/2023	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	34.00	34.00	0.00	Y

Notes:

Check Performed By:

808

Date:

2/6/2023

Reviewed by:



Date:

2/9/23