

ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100146
Location: BERLIN VSP
Calibration Date: 07/29/2022
Certification Date: 07/29/2022
Installation Date: 08/11/2022
APM Date: 08/11/2022
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 = 41.7°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.62 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 528 Hz

PUMP INFO

Flow Rate = 4.784 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.2437	0.2484
MIN (V)	0.2427	0.2474

FILTER INFO

Filter	Value	Zero
Filter 1	0.248	true
Filter 2	0.479	true
Filter 3	0.721	true

CALIBRATION CHECK

Xq = 0.100 0.69%

APM PASSED

Simulator Vapor Test

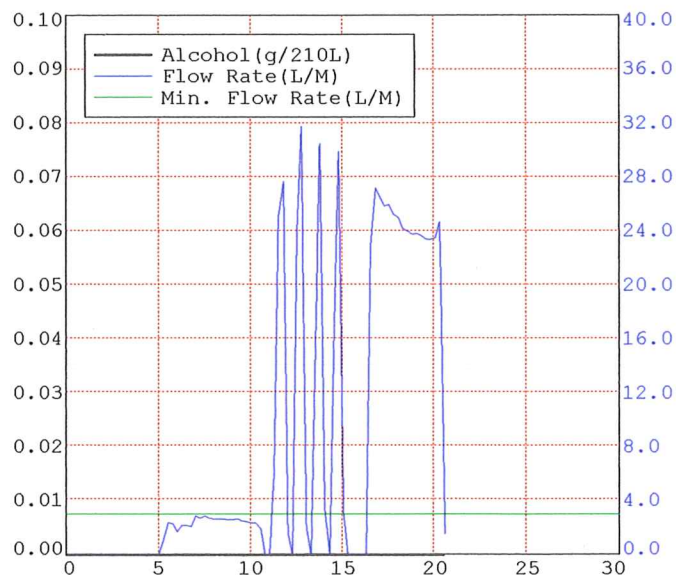
Concentration = 0.101 g/210L
Lot # = 22-12-100
Range = 0.096 - 0.106
Simulator Vapor = 0.101 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

Date

08/11/2022

Reviewed by

Date

8/23/22

VERMONT FORENSIC LABORATORY

Simulator Temperature Check

Simulator Serial Number:

MP3480

DMT Serial Number / Simulator Location:

100146/Berlin USP

NIST Traceable Thermometer Serial Number:

ZIFMM02249

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	33.89	33.99	0.10	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

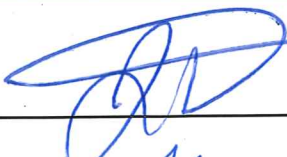
As Left (if applicable)

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	33.99	34.00	0.01	Y

Notes:

DMT was at VFL during APM "lapse". No tests run b/w
previously APM expiring and this verification

Check Performed By:



Date:

8/11/22

Reviewed by:



Date:

8/23/22