

ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100156
Location: FAIR HAVEN PD
Calibration Date: 06/09/2021
Certification Date: 06/09/2021
Installation Date: 06/11/2021
APM Date: 06/01/2022
Performed by: SARAH STRATTON

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 45.5°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.62 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 531 Hz

PUMP INFO

Flow Rate = 5.567 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.1915	0.1959
MIN (V)	0.1904	0.1947

FILTER INFO

Filter	Value	Zero
Filter 1	0.196	true
Filter 2	0.478	true
Filter 3	1.121	true

CALIBRATION CHECK

Xq = 0.108 0.98%

APM PASSED

Simulator Vapor Test

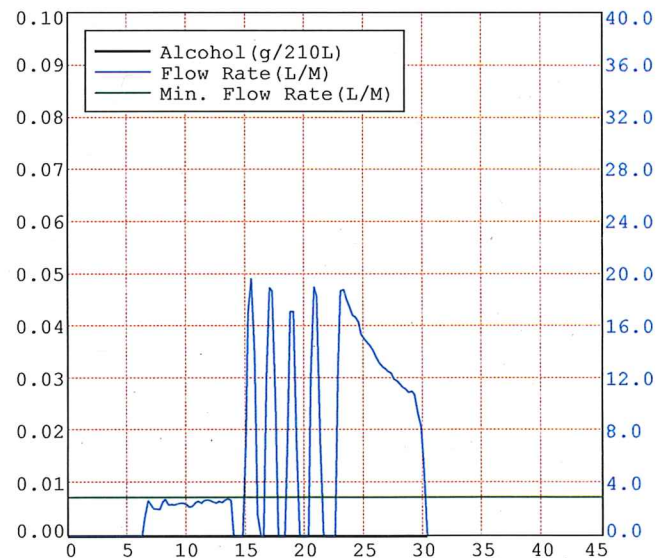
Concentration = 0.100 g/210L
Lot# = 21-06-100
Range = 0.095 - 0.105
Simulator Vapor = 0.095 g/210L

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

SJS SJS

Date

06/01/2022

Reviewed by

[Signature]

Date

6/10/22

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Performed by: SARAH STRATTON

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 46.2°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 528 Hz

PUMP INFO

Flow Rate = 5.520 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.1874	0.1919
MIN (V)	0.1860	0.1904

FILTER INFO

Filter 1	0.191	Zero = true
Filter 2	0.474	Zero = true
Filter 3	1.116	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.25%

APM FAILED

APM failed due to the simulator concentration failing low. Repeated the APM and test was passing. SDS 6/1/2022

Performed by

SDS SDS

Date

06/01/2022

Reviewed by

Date

VERMONT FORENSIC LABORATORY

Simulator Temperature Check

Simulator Serial Number:

MP3474

DMT Serial Number / Simulator Location:

100156/Fair Haven PD

NIST Traceable Thermometer Serial Number:

192420790

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.15	34.01	0.14	N

* $\pm 0.10^{\circ}\text{C}$ agreement between thermometer and simulator* $34.0 \pm 0.2^{\circ}\text{C}$ acceptable rangeWas 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	Y

Notes:

Check Performed By:

SJS

Date:

6/11/2022

Reviewed by:

SJS

Date:

6/10/22