

ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100160
Location: ST. ALBANS PD
Calibration Date: 05/12/2020
Certification Date: 05/12/2020
Installation Date: 06/22/2020
APM Date: 02/03/2021
Performed by: SARAH STRATTON

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.6°C
 Breath Tube = 48.1°C
 Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.64 V
 Cooler Voltage = 1.66 V
 Bias Voltage = 80 V
 Chopper Freq = 547 Hz

PUMP INFO

Flow Rate = 4.827 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0581	0.0614
MIN(V)	0.0545	0.0581

FILTER INFO

Filter 1	0.060	Zero = true
Filter 2	0.357	Zero = true
Filter 3	1.554	Zero = true

CALIBRATION CHECK

Xq = 0.087 0.89%

APM PASSED

Simulator Vapor Test

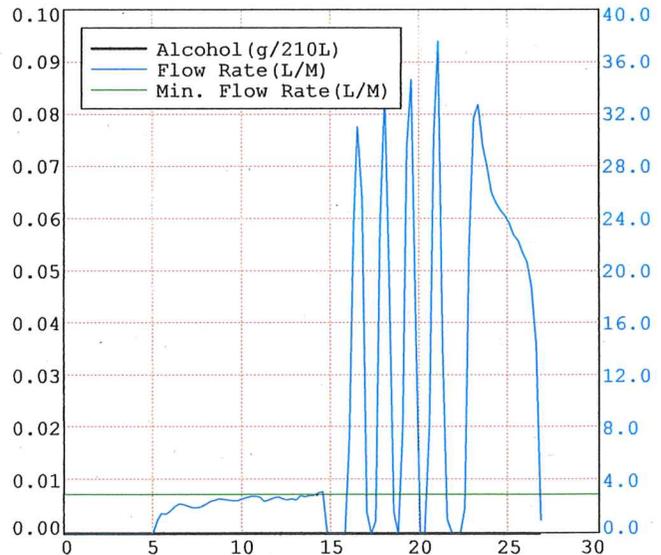
Concentration = 0.100 g/210L
 Lot # = 20-14-100
 Range = 0.095 - 0.105
 Simulator Vapor = 0.095 g/210L

RF Detection Test

Passed
 RF detected

Sample Acceptance Test

Passed



Performed by SOS SOS

Date 02/03/2021

Reviewed by [Signature]

Date 2/8/21

DMT Serial Number #100160

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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 = 48.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.64 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 545 Hz

PUMP INFO

Flow Rate = 4.820 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0553	0.0587
MIN (V)	0.0516	0.0559

FILTER INFO

Filter 1	0.059	Zero = true
Filter 2	0.354	Zero = true
Filter 3	1.549	Zero = true

CALIBRATION CHECK

Xq = 0.086 1.78%

APM FAILED

Sim solution failed low. Re-ran. SJS 2/3/2021

Simulator Vapor Test

Concentration = 0.100 g/210L
Lot # = 20-14-100
Range = 0.095 - 0.105
Simulator Vapor = 0.094 g/210L
Simulator out of range

Performed by

SJS

Date

02/03/2021

Reviewed by

SJS

Date

2/8/21

Simulator Temperature Check

Simulator Serial Number: MP3505

DMT Serial Number / Simulator Location: 100160 / St Albans PD

NIST Traceable Thermometer Serial Number: 192420790

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.08 34.07 °C 8228 2/3/2021	34.02 °C	0.06	Y

* ± 0.10°C agreement between thermometer and simulator

* 34.0 ± 0.2°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: 8228

Date: 2/3/2021

Reviewed by: [Signature]

Date: 2/8/21