

ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100157
Location: COLCHESTER PD
Calibration Date: 04/11/2017
Certification Date: 04/11/2017
Installation Date: 04/11/2017
APM Date: 02/14/2020
Performed by: SARAH STRATTON



Diagnostic Results

VERSIONS
DMT: 2.05
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 49.1°C
Breath Tube = 43.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.66 V
Cooler Voltage = 1.67 V
Bias Voltage = 80 V
Chopper Freq = 538 Hz

PUMP INFO

Flow Rate = 4.166 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1264	0.1305
MIN(V)	0.1248	0.1289

FILTER INFO

Filter	Value	Zero
Filter 1	0.130	Zero = true
Filter 2	0.418	Zero = true
Filter 3	1.493	Zero = true

CALIBRATION CHECK

Xq = 0.095 1.68%

APM PASSED

Simulator Vapor Test

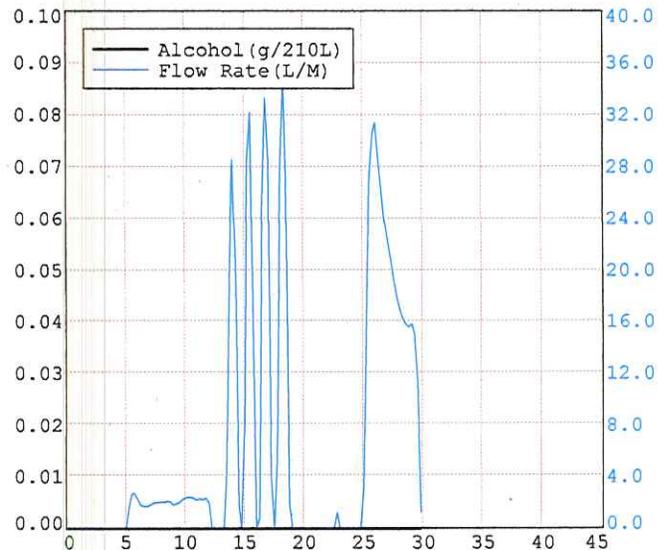
Concentration = 0.103 g/210L
Lot # = 19-07-100
Range = 0.098 - 0.108
Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by SJS SJS

Date 02/14/2020

Reviewed by [Signature]

Date 2/18/20

DMT Serial Number #100157

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Performed by: SARAH STRATTON



Diagnostic Results

VERSIONS
DMT: 2.05
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 43.8°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.66 V
Cooler Voltage = 1.67 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 3.982 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1266	0.1303
MIN(V)	0.1248	0.1285

FILTER INFO

Filter 1	0.129	Zero = true
Filter 2	0.417	Zero = true
Filter 3	1.491	Zero = true

CALIBRATION CHECK

Xq = 0.095 1.68%

APM FAILED

Simulator Vapor Test

Concentration = 0.103 g/210L
Lot # = 19-07-100
Range = 0.098 - 0.108
Simulator Vapor = 0.097 g/210L
Simulator out of range

* Sim solution failed low. Re-ran. *SSS* 2/14/2020

Performed by *SSS SSS* Date 02/14/2020
Reviewed by _____ Date _____

Simulator Temperature Check

Simulator Serial Number: MP3508

DMT Serial Number / Simulator Location: 100157 Colchester PD

NIST Traceable Thermometer Serial Number: 160294076

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	33.98°C	34.00°C	0.02	Y

* 34.0 +/- 0.2 degree Celsius 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: 2/14/2020

Reviewed by: [Signature]

Date: 2/18/20