

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: 02/13/2020
Performed by: JEFFERY DUKETTE



Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.5°C
Breath Tube = 44.7°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.66 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 539 Hz

PUMP INFO

Flow Rate = 5.764 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.3612	0.3644
MIN(V)	0.3600	0.3628

FILTER INFO

Filter	Value	Zero
Filter 1	0.363	true
Filter 2	0.948	true
Filter 3	1.789	true

CALIBRATION CHECK

Xq = 0.081 0.32%

APM PASSED

Simulator Vapor Test

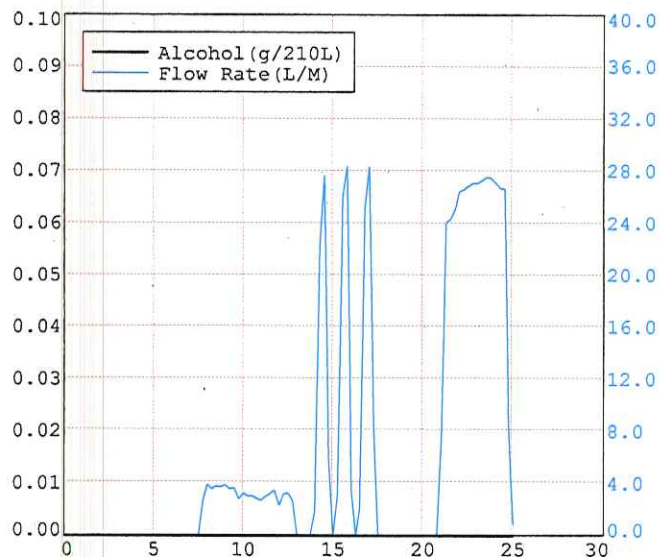
Concentration = 0.101 g/210L
Lot # = 19-01-100
Range = 0.096 - 0.106
Simulator Vapor = 0.099 g/210L

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by

[Signature]

Date

02/13/2020

Reviewed by

[Signature]

Date

2/18/20

DMT Serial Number #100144

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[Signature]

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ANNUAL PREVENTATIVE MAINTENANCE

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Calibration Date: 04/14/2017
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APM Date: 02/13/2020
Performed by: JEFFERY DUKETTE



Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 45.3°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.66 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 540 Hz

PUMP INFO

Flow Rate = 5.569 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.3581	0.3610
MIN(V)	0.3563	0.3598

FILTER INFO

Filter 1	0.360	Zero = true
Filter 2	0.946	Zero = true
Filter 3	1.788	Zero = true

CALIBRATION CHECK

Xq = 0.082 0.85%

APM FAILED

Simulator Vapor Test

Concentration = 0.101 g/210L
Lot # = 19-01-100
Range = 0.096 - 0.106
Simulator Vapor = 0.099 g/210L

RF Detection Test

Passed

Sample Acceptance Test

Failed

suck back error. opened instrument
and adjusted the reverse flow
regulator piece and re-did APM
JSD 2/14/2020

Performed by

 JSD

Date

02/13/2020

Reviewed by

Date

DMT Serial Number #100144

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JSD

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Simulator Temperature Check

Simulator Serial Number:

MP3511

DMT Serial Number / Simulator Location:

100144 / Springfield PD

NIST Traceable Thermometer Serial Number:

160294076

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.02	34.00	0.02	Y

* 34.0 +/- 0.2 degree Celsius acceptable range

Was temperature adjustment performed?

Y / ☒

As Left (if applicable)

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

Notes:

Check Performed By:

Date: 2/13/2020

Reviewed by:

Date: 2/16/20