ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100141
Location: Vernon PD
Calibration Date: 01/30/2012
Certification Date: 01/31/2012
Installation Date: 02/08/2012
APM Date: 08/22/2012
Performed by: ROBERT DRISCOLL

Diagnostic Results

```
VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube    = 43.9°C
Digital Sim    = 34.1°C

SETTINGS
Lamp Voltage   = 1.73 V
Cooler Voltage = 1.71 V
Bias Voltage   = 81 V
Chopper Freq   = 537 Hz

PUMP INFO
Flow Rate = 6.019 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   -0.0069   -0.0043
MIN(V)   -0.0083   -0.0055

FILTER INFO
Filter 1  -0.005  Zero = true
Filter 2   0.320  Zero = true
Filter 3   0.589  Zero = true

CALIBRATION CHECK
Xq  = 0.081  0.95%
```

APM PASSED

Simulator Vapor Test

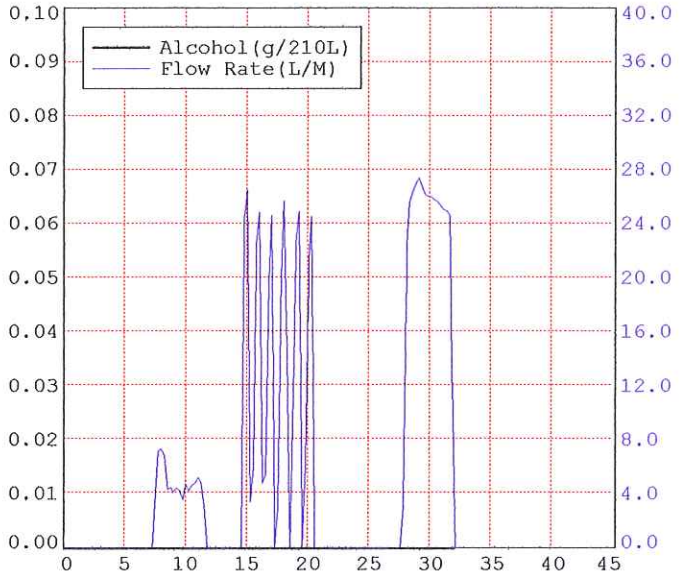
Concentration = 0.101 g/210L
Lot # = 12-64-100
Range = 0.096 - 0.106
Simulator Vapor = 0.101 g/210L

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by _____ Date 08/22/2012

Reviewed by _____ Date 8/27/2012

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Diagnostic Results

```
VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.6°C
Breath Tube    = 46.2°C
Digital Sim    = 34.2°C

SETTINGS
Lamp Voltage   = 1.73 V
Cooler Voltage = 1.72 V
Bias Voltage   = 81 V
Chopper Freq   = 538 Hz

PUMP INFO
Flow Rate = 6.023 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   -0.0079   -0.0055
MIN(V)   -0.0096   -0.0073

FILTER INFO
Filter 1  -0.007  Zero = true
Filter 2   0.318  Zero = true
Filter 3   0.584  Zero = true

CALIBRATION CHECK
Xq  = 0.081  1.69%
```

Simulator Vapor Test

Concentration = 0.100 g/210L
Lot # = 12-51-100
Range = 0.095 - 0.105
Simulator Vapor = 0.094 g/210L
Simulator out of range

Reattempt APM RCD 8/22/12

APM FAILED

Performed by _____ Date 08/22/2012

Reviewed by _____ Date _____

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Certification Date: 01/31/2012
Installation Date: 02/08/2012
APM Date: 08/22/2012
Performed by: ROBERT DRISCOLL

Diagnostic Results

```
VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube    = 45.7°C
Digital Sim    = 34.1°C

SETTINGS
Lamp Voltage   = 1.73 V
Cooler Voltage = 1.72 V
Bias Voltage   = 81 V
Chopper Freq   = 536 Hz

PUMP INFO
Flow Rate = 6.144 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   -0.0081   -0.0057
MIN(V)   -0.0096   -0.0075

FILTER INFO
Filter 1  -0.006  Zero = true
Filter 2   0.319  Zero = true
Filter 3   0.586  Zero = true

CALIBRATION CHECK
Xq  = 0.081  0.74%
```

Simulator Vapor Test

Concentration = 0.100 g/210L
Lot # = 12-51-100
Range = 0.095 - 0.105
Simulator Vapor = 0.094 g/210L
Simulator out of range

Subsequent APM failed due to solution out of range as well, performed solution change protocol. RCD 8/22/12

APM FAILED

Performed by [signature] Date 08/22/2012

Reviewed by _____ Date _____

SOLUTION CHANGE

DataMaster DMT: 100141
Location: Vernon PD
Date: 08/22/2012
Performed by: ROBERT DRISCOLL

Accuracy and Precision Check

Concentration	= 0.101 g/210L
Lot #	= 12-64-100
Range	= 0.096 - 0.106
Average	= 0.100 g/210L
Std Dev	= 0.0000

Simulator Temperature: 34.1°C

Performed by _____ Date 08/22/2012