ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 104409
Location: Winooski PD
Calibration Date: 12/19/2011
Certification Date: 12/20/2011
Installation Date: 12/23/2011
APM Date: 12/08/2014
Performed by: ROBERT DRISCOLL

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.6°C
Breath Tube = 45.2°C
Digital Sim = 34.0°C

SETTINGS
Lamp Voltage = 1.72 V
Cooler Voltage = 1.71 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO
Flow Rate = 6.456 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.2929	0.2959
MIN(V)	0.2913	0.2943

FILTER INFO
Filter 1 0.295 Zero = true
Filter 2 0.530 Zero = true
Filter 3 0.668 Zero = true

CALIBRATION CHECK
Xq = 0.080 0.65%

Simulator Vapor Test

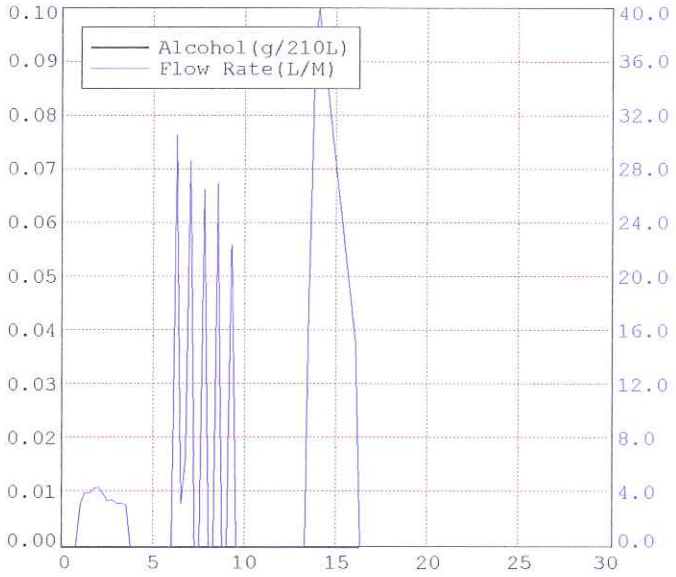
Concentration = 0.097 g/210L
Lot # = 14-10-100
Range = 0.092 - 0.102
Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed

Sample Acceptance Test

Passed



APM PASSED

NIST Thermometer s/n 91A-4704 34.1°C RCD 12/8/14

Performed by RCD Date 12/08/2014

Reviewed by Date 12/9/2014

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Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube    = 46.3°C
Digital Sim    = 34.2°C

SETTINGS
Lamp Voltage   = 1.72 V
Cooler Voltage = 1.72 V
Bias Voltage   = 80 V
Chopper Freq   = 527 Hz

PUMP INFO
Flow Rate = 6.360 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.2813    0.2856
MIN(V)   0.2799    0.2844

FILTER INFO
Filter 1   0.285  Zero = true
Filter 2   0.521  Zero = true
Filter 3   0.648  Zero = true

CALIBRATION CHECK
Xq  = 0.081  1.20%
```

Simulator Vapor Test

Concentration =
Lot # =
Range =
Simulator Vapor =

APM FAILED

Simulator timed out. Will rerun APM protocol RCD 12/8/14

Performed by RD Date 12/08/2014

Reviewed by Date

2014 RD

ANNUAL PREVENTATIVE MAINTENANCE

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Calibration Date: 12/19/2011
Certification Date: 12/20/2011
Installation Date: 12/23/2011
APM Date: 12/08/2014
Performed by: ROBERT DRISCOLL

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 49.1°C
Breath Tube    = 45.4°C
Digital Sim    = 34.0°C

SETTINGS
Lamp Voltage   = 1.72 V
Cooler Voltage = 1.72 V
Bias Voltage   = 80 V
Chopper Freq   = 532 Hz

PUMP INFO
Flow Rate = 6.451 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)    0.2821    0.2868
MIN(V)    0.2807    0.2854

FILTER INFO
Filter 1   0.286  Zero = true
Filter 2   0.523  Zero = true
Filter 3   0.650  Zero = true

CALIBRATION CHECK
Xq  = 0.080  0.87%
```

Simulator Vapor Test

Concentration = 0.098 g/210L
Lot # = 14-05-100
Range = 0.093 - 0.103
Simulator Vapor = 0.092 g/210L
Simulator out of range

RCD 12/8/14

APM FAILED

Performed by RCD Date 12/08/2014

Reviewed by Date

30d 4 RD

SOLUTION CHANGE

DataMaster DMT: 104409
Location: Winooski PD
Date: 12/08/2014
Performed by: ROBERT DRISCOLL

Accuracy and Precision Check

Concentration	= 0.097 g/210L
Lot #	= 14-10-100
Range	= 0.092 - 0.102
Average	= 0.098 g/210L
Std Dev	= 0.0000

Simulator Temperature: 34°C

Performed by RCD Date 12/08/2014