

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100157  
Location: Colchester PD  
Calibration Date: 02/07/2012  
Certification Date: 02/08/2012  
Installation Date: 09/12/2012  
RPC Date: 10/05/2013  
Supervisor Name: CHRISTOPHER M JONES

## Diagnostic Results

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.9°C  
Breath Tube = 43.8°C  
Digital Sim = 34.2°C

### SETTINGS

Lamp Voltage = 1.63 V  
Cooler Voltage = 1.67 V  
Bias Voltage = 80 V  
Chopper Freq = 554 Hz

### PUMP INFO

Flow Rate = 5.480 L/M

### DETECTOR INFO

PUMP ON OFF  
MAX (V) -0.0888 -0.0858  
MIN (V) -0.0907 -0.0872

### FILTER INFO

Filter 1 -0.087 Zero = true  
Filter 2 0.225 Zero = true  
Filter 3 1.342 Zero = true

### CALIBRATION CHECK

Xq = 0.095 0.00%

## Accuracy and Precision Check

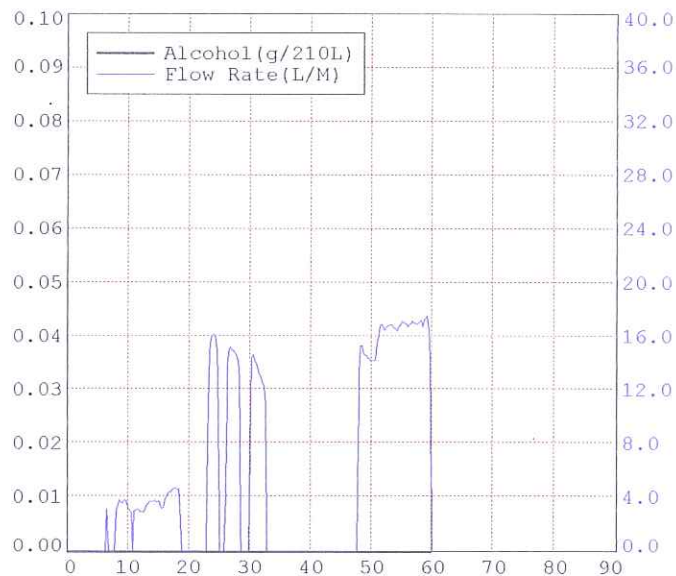
Concentration = 0.099 g/210L  
Lot # = 13-04-100  
Range = 0.094 - 0.104  
Average = 0.098 g/210L  
Std Dev = 0.0000

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Routine Performance Check Passed

Performed by

C Jones  
M 181  
*[Signature]*

Date 10/05/2013

Reviewed by

Date 10/17/13

*[Signature]*  
10/17/2013

DMT Serial Number #100157

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RPC Date: 10/05/2013  
Supervisor Name: CHRISTOPHER M JONES

## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 49.0°C  
Breath Tube = 44.1°C  
Digital Sim = 34.2°C

### SETTINGS

Lamp Voltage = 1.63 V  
Cooler Voltage = 1.67 V  
Bias Voltage = 80 V  
Chopper Freq = 553 Hz

### PUMP INFO

Flow Rate = 5.600 L/M

### DETECTOR INFO

|         |         |         |
|---------|---------|---------|
| PUMP    | ON      | OFF     |
| MAX (V) | -0.0951 | -0.0917 |
| MIN (V) | -0.0965 | -0.0931 |

### FILTER INFO

|          |        |             |
|----------|--------|-------------|
| Filter 1 | -0.093 | Zero = true |
| Filter 2 | 0.218  | Zero = true |
| Filter 3 | 1.336  | Zero = true |

### CALIBRATION CHECK

Xq = 0.094 0.46%

## Accuracy and Precision Check

|               |                 |
|---------------|-----------------|
| Concentration | = 0.099 g/210L  |
| Lot #         | = 13-04-100     |
| Range         | = 0.094 - 0.104 |
| Average       | = 0.098 g/210L  |
| Std Dev       | = 0.0000        |

## RF Detection Test

Failed

*Failure caused by  
not keying Hand Held Radio  
To create RFI. Pressed  
Cancel by mistake*

Routine Performance Check Failed

Performed by

*C Jones*  
*10/5*

Date

10/05/2013

Reviewed by

Date