

# 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: 11/06/2014  
 Supervisor Name: CHRISTOPHER M JONES

## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 48.7°C  
 Breath Tube = 47.2°C  
 Digital Sim = 33.9°C

### SETTINGS

Lamp Voltage = 1.63 V  
 Cooler Voltage = 1.67 V  
 Bias Voltage = 80 V  
 Chopper Freq = 555 Hz

### PUMP INFO

Flow Rate = 5.547 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0159	0.0195
MIN (V)	0.0144	0.0181

### FILTER INFO

Filter 1	0.019	Zero = true
Filter 2	0.319	Zero = true
Filter 3	1.421	Zero = true

### CALIBRATION CHECK

Xq = 0.094 1.11%

Routine Performance Check Passed

## Accuracy and Precision Check

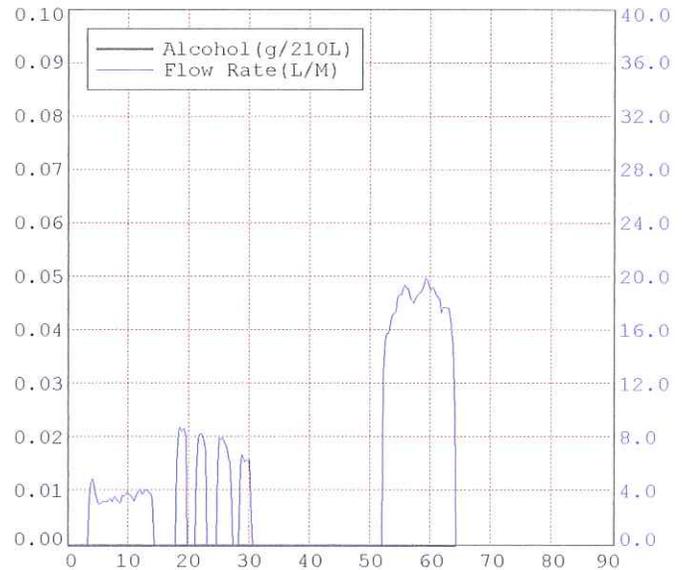
Concentration	= 0.099 g/210L
Lot #	= 14-14-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0000

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Performed by *Chris Jones*

Date 11/06/2014

Reviewed by *[Signature]*

Date 11/10/14

*[Signature]*  
12/17/2014

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RPC Date: 11/05/2014  
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 = 46.9°C  
Digital Sim = 33.9°C

### SETTINGS

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

### PUMP INFO

Flow Rate = 5.595 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0154	0.0187
MIN (V)	0.0142	0.0169

### FILTER INFO

Filter	Value	Zero
Filter 1	0.018	Zero = true
Filter 2	0.318	Zero = true
Filter 3	1.420	Zero = true

### CALIBRATION CHECK

Xq = 0.094 0.83%

## Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

*new Solution out of Range*

*Exp 12-31-14*

Routine Performance Check Failed

Performed by *Chris Jones MS1*

Date 11/05/2014

Reviewed by \_\_\_\_\_

Date \_\_\_\_\_

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## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 46.0°C  
Digital Sim = 33.9°C

### SETTINGS

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

### PUMP INFO

Flow Rate = 5.453 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0195	0.0228
MIN (V)	0.0175	0.0211

### FILTER INFO

Filter	Value	Zero
Filter 1	0.022	Zero = true
Filter 2	0.323	Zero = true
Filter 3	1.424	Zero = true

### CALIBRATION CHECK

Xq = 0.095 0.28%

## Accuracy and Precision Check

Concentration	=
Lot #	=
Range	=
Average	=
Std Dev	=

*new Solution out of Range  
EXP 12-31-14*

**Routine Performance Check Failed**

Performed by Christopher M Jones

Date 11/05/2014

Reviewed by \_\_\_\_\_

Date \_\_\_\_\_

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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 = 46.8°C  
Digital Sim = 0.0°C

### SETTINGS

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

### PUMP INFO

Flow Rate = 5.561 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0154	0.0187
MIN (V)	0.0136	0.0169

### FILTER INFO

Filter 1	0.018	Zero = true
Filter 2	0.318	Zero = true
Filter 3	1.420	Zero = true

### CALIBRATION CHECK

Xq = 0.094 0.46%

*Simulator NOT plugged in*

**Routine Performance Check Failed**

Performed by *Chris M Jones*

Date 11/06/2014

Reviewed by \_\_\_\_\_

Date \_\_\_\_\_