

# ROUTINE PERFORMANCE CHECK REPORT

DataMaster DMT: 100146  
Location: MIDDLESEX VSP  
Calibration Date: 03/27/2017  
Certification Date: 03/27/2017  
Installation Date: 03/28/2017  
RPC Date: 06/29/2018  
Supervisor Name: CHELSEA DELPHIA



## Diagnostic Results

VERSIONS  
DMT: 2.03  
PIC: 2.08  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.0°C  
Breath Tube = 46.5°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.72 V  
Cooler Voltage = 1.69 V  
Bias Voltage = 80 V  
Chopper Freq = 552 Hz

### PUMP INFO

Flow Rate = 4.882 L/M

### DETECTOR INFO

| PUMP   | ON     | OFF    |
|--------|--------|--------|
| MAX(V) | 0.2372 | 0.2404 |
| MIN(V) | 0.2362 | 0.2390 |

### FILTER INFO

| Filter   | Value | Zero |
|----------|-------|------|
| Filter 1 | 0.239 | true |
| Filter 2 | 0.464 | true |
| Filter 3 | 0.729 | true |

### CALIBRATION CHECK

Xq = 0.080 0.88%

**Routine Performance Check Passed**

## Accuracy and Precision Check

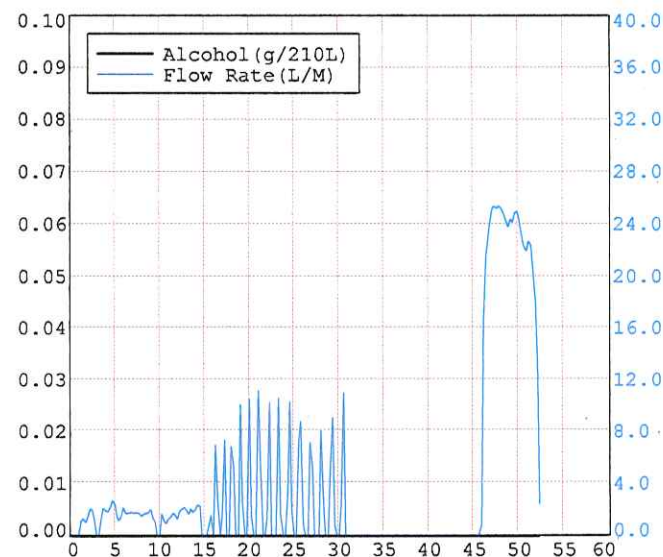
Concentration = 0.101 g/210L  
Lot # = 18-01-100  
Range = 0.096 - 0.106  
Average = 0.100 g/210L  
Std Dev = 0.0000

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Performed by

Date

06/29/2018

Reviewed by

Date

7/25/18

DMT Serial Number #100146

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RPC Date: 06/29/2018  
Supervisor Name: CHELSEA DELPHIA



## Diagnostic Results

VERSIONS  
DMT: 2.03  
PIC: 2.08  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.8°C  
Breath Tube = 46.2°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.72 V  
Cooler Voltage = 1.69 V  
Bias Voltage = 80 V  
Chopper Freq = 552 Hz

### PUMP INFO

Flow Rate = 4.825 L/M

### DETECTOR INFO

| PUMP   | ON     | OFF    |
|--------|--------|--------|
| MAX(V) | 0.2333 | 0.2366 |
| MIN(V) | 0.2325 | 0.2354 |

### FILTER INFO

|          |       |             |
|----------|-------|-------------|
| Filter 1 | 0.236 | Zero = true |
| Filter 2 | 0.461 | Zero = true |
| Filter 3 | 0.722 | Zero = true |

### CALIBRATION CHECK

Xq = 0.080 0.98%

**Routine Performance Check Failed**

## Accuracy and Precision Check

Concentration  
Lot #  
Range  
Average  
Std Dev

*DMT Supervisor did not recall the reason for this failed attempt RCD 7/25/18*

Performed by

*OK*

Date

06/29/2018

Reviewed by

Date

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RPC Date: 06/29/2018  
Supervisor Name: CHELSEA DELPHIA



## Diagnostic Results

VERSIONS  
DMT: 2.03  
PIC: 2.08  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 47.2°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.72 V  
Cooler Voltage = 1.69 V  
Bias Voltage = 80 V  
Chopper Freq = 552 Hz

### PUMP INFO

Flow Rate = 4.900 L/M

### DETECTOR INFO

| PUMP   | ON     | OFF    |
|--------|--------|--------|
| MAX(V) | 0.2228 | 0.2256 |
| MIN(V) | 0.2211 | 0.2246 |

### FILTER INFO

|          |       |             |
|----------|-------|-------------|
| Filter 1 | 0.225 | Zero = true |
| Filter 2 | 0.451 | Zero = true |
| Filter 3 | 0.706 | Zero = true |

### CALIBRATION CHECK

Xq = 0.080 0.98%

**Routine Performance Check Failed**

## Accuracy and Precision Check

|               |                 |
|---------------|-----------------|
| Concentration | = 0.101 g/210L  |
| Lot #         | = 18-01-100     |
| Range         | = 0.096 - 0.106 |
| Average       | = 0.100 g/210L  |
| Std Dev       | = 0.0000        |

## RF Detection Test

Failed

*DMT Supervisor said that the instrument failed to detect the portable radio. The second time it did pass. RCA 7/25/18*

Performed by

*DL*

Date

06/29/2018

Reviewed by

Date