

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100135  
Location: Franklin County SO St Albans  
Calibration Date: 10/16/2014  
Certification Date: 10/16/2014  
Installation Date: 10/16/2014  
RPC Date: 06/29/2016  
Supervisor Name: JAY H SWEENY

## Diagnostic Results

VERSIONS  
DMT: 2.00  
PIC: 2.05  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.8°C  
Breath Tube = 45.2°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.78 V  
Cooler Voltage = 1.73 V  
Bias Voltage = 80 V  
Chopper Freq = 513 Hz

### PUMP INFO

Flow Rate = 5.120 L/M

### DETECTOR INFO

| PUMP   | ON     | OFF    |
|--------|--------|--------|
| MAX(V) | 0.0553 | 0.0591 |
| MIN(V) | 0.0539 | 0.0575 |

### FILTER INFO

| Filter   | Value | Zero        |
|----------|-------|-------------|
| Filter 1 | 0.058 | Zero = true |
| Filter 2 | 0.293 | Zero = true |
| Filter 3 | 0.725 | Zero = true |

### CALIBRATION CHECK

Xq = 0.103 0.60%

**Routine Performance Check Passed**

## Accuracy and Precision Check

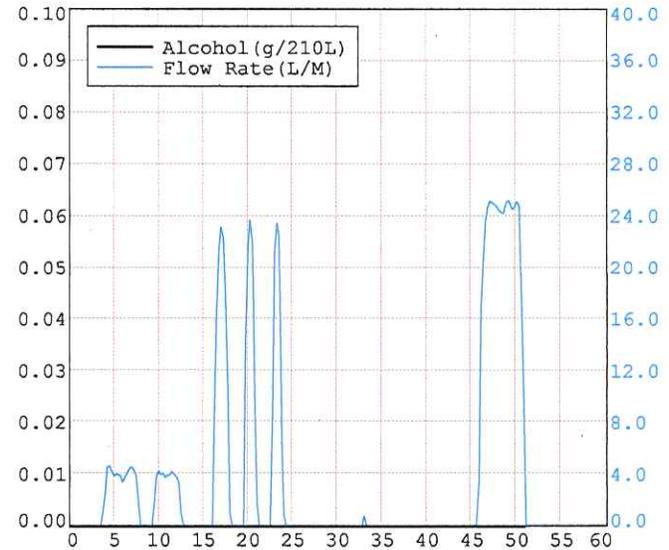
Concentration = 0.099 g/210L  
Lot # = 15-24-100  
Range = 0.094 - 0.104  
Average = 0.100 g/210L  
Std Dev = 0.0004

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Performed by

*Jay H Sweeney*

Date

06/29/2016

Reviewed by

*[Signature]*

Date

6/29/16

*[Signature]*  
6/30/16

DMT Serial Number #100135

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## Diagnostic Results

VERSIONS  
DMT: 2.00  
PIC: 2.05  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

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

### SETTINGS

Lamp Voltage = 1.78 V  
Cooler Voltage = 1.73 V  
Bias Voltage = 80 V  
Chopper Freq = 512 Hz

### PUMP INFO

Flow Rate = 5.098 L/M

### DETECTOR INFO

|        |        |        |
|--------|--------|--------|
| PUMP   | ON     | OFF    |
| MAX(V) | 0.0443 | 0.0486 |
| MIN(V) | 0.0433 | 0.0476 |

### FILTER INFO

|          |       |             |
|----------|-------|-------------|
| Filter 1 | 0.048 | Zero = true |
| Filter 2 | 0.282 | Zero = true |
| Filter 3 | 0.709 | Zero = true |

### CALIBRATION CHECK

Xq = 0.103 0.26%

**Routine Performance Check Failed**

## Accuracy and Precision Check

|               |                 |
|---------------|-----------------|
| Concentration | = 0.099 g/210L  |
| Lot #         | = 15-24-100     |
| Range         | = 0.094 - 0.104 |
| Average       | = 0.099 g/210L  |
| Std Dev       | = 0.0004        |

## RF Detection Test

Passed

## Sample Acceptance Test

Failed

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Performed by

Jay H Sweeney

Date

06/29/2016

Reviewed by

\_\_\_\_\_

Date

\_\_\_\_\_

# Re: June RPC Quesiton

Sweeny, Jay

Wed 6/29/2016 2:53 PM

To: Driscoll, Rob <Rob.Driscoll@vermont.gov>;

It failed during the suck back test. I sucked a little too hard and then when I released it must have gotten enough of a shot of air to cause a failure.

\*Please note my new email address:

[Jay.Sweeny@vermont.gov](mailto:Jay.Sweeny@vermont.gov)

Capt Jay H Sweeny  
Chief Deputy  
Franklin County Sheriffs Office  
P.O.Box 367  
St. Albans, VT 05478  
802 524-2121

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**From:** Driscoll, Rob  
**Sent:** Wednesday, June 29, 2016 2:50:34 PM  
**To:** Sweeny, Jay  
**Subject:** June RPC Quesiton

Jay,

Can you provide a brief explanation of what caused the sample acceptance to fail on your first RPC attempt? Now that we are networked we get the failed copies but no explanation.

Thanks,  
Rob

Robert Driscoll  
Vermont Forensic Laboratory  
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Waterbury, VT 05671  
Electronics Technician  
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