

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100149  
Location: Barre City PD  
Calibration Date: 06/25/2014  
Certification Date: 06/30/2014  
Installation Date: 06/30/2014  
RPC Date: 02/22/2016  
Supervisor Name: JUSITN L PICKEL

## Diagnostic Results

VERSIONS  
DMT: 2.00  
PIC: 2.06  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.0°C  
Breath Tube = 44.1°C  
Digital Sim = 33.9°C

### SETTINGS

Lamp Voltage = 1.81 V  
Cooler Voltage = 1.81 V  
Bias Voltage = 80 V  
Chopper Freq = 537 Hz

### PUMP INFO

Flow Rate = 5.694 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.5927	0.5947
MIN(V)	0.5913	0.5937

### FILTER INFO

Filter	Value	Zero
Filter 1	0.595	true
Filter 2	0.859	true
Filter 3	1.081	true

### CALIBRATION CHECK

Xq = 0.082 2.15%

**Routine Performance Check Passed**

## Accuracy and Precision Check

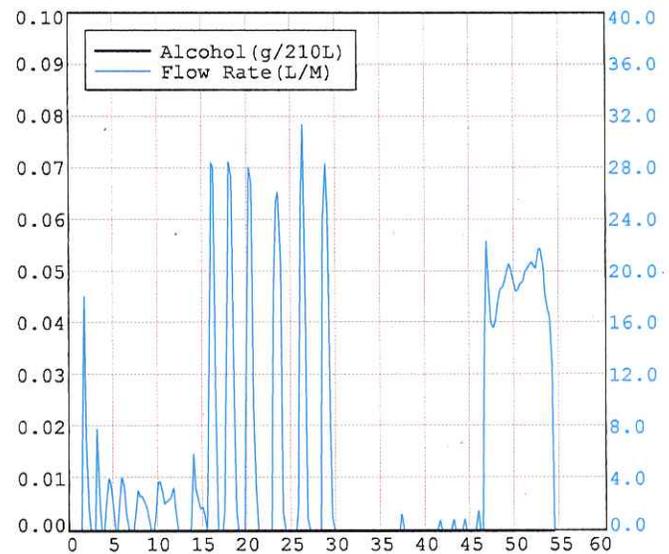
Concentration	= 0.099 g/210L
Lot #	= 15-13-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0004

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Performed by [Signature]

Date 02/22/2016

Reviewed by [Signature]

Date 2/22/16

DMT Serial Number #100149

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[Signature]  
02/22/2016 8:11 AM

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# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100149  
Location: Barre City PD  
Calibration Date: 06/25/2014  
Certification Date: 06/30/2014  
Installation Date: 06/30/2014  
RPC Date: 02/22/2016  
Supervisor Name: JUSTIN L PICKEL

## Diagnostic Results

### VERSIONS

DMT: 2.00  
PIC: 2.06  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.2°C  
Breath Tube = 44.1°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.81 V  
Cooler Voltage = 1.81 V  
Bias Voltage = 80 V  
Chopper Freq = 537 Hz

### PUMP INFO

Flow Rate = 5.634 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.5900	0.5921
MIN (V)	0.5884	0.5909

### FILTER INFO

Filter 1	0.593	Zero = true
Filter 2	0.854	Zero = true
Filter 3	1.076	Zero = true

### CALIBRATION CHECK

Xq = 0.082 1.29%

**Routine Performance Check Failed**

## Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 15-13-100
Range	= 0.094 - 0.104
Average	= 0.098 g/210L
Std Dev	= 0.0004

## RF Detection Test

Passed

## Sample Acceptance Test

Failed

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Performed by \_\_\_\_\_

Date 02/22/2016

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

Date \_\_\_\_\_

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100149  
Location: Barre City PD  
Calibration Date: 06/25/2014  
Certification Date: 06/30/2014  
Installation Date: 06/30/2014  
RPC Date: 02/22/2016  
Supervisor Name: JUSTIN L PICKEL

## Diagnostic Results

### VERSIONS

DMT: 2.00  
PIC: 2.06  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 43.7°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.81 V  
Cooler Voltage = 1.81 V  
Bias Voltage = 80 V  
Chopper Freq = 536 Hz

### PUMP INFO

Flow Rate = 5.656 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.5953	0.5976
MIN(V)	0.5941	0.5961

### FILTER INFO

Filter 1	0.597	Zero = true
Filter 2	0.858	Zero = true
Filter 3	1.085	Zero = true

### CALIBRATION CHECK

Xq = 0.082 1.50%

**Routine Performance Check Failed**

## Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 15-13-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0005

## RF Detection Test

Passed

## Sample Acceptance Test

Failed

Performed by \_\_\_\_\_

Date 02/22/2016

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

Date \_\_\_\_\_

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100149  
Location: Barre City PD  
Calibration Date: 06/25/2014  
Certification Date: 06/30/2014  
Installation Date: 06/30/2014  
RPC Date: 02/22/2016  
Supervisor Name: JUSITN L PICKEL

## Diagnostic Results

### VERSIONS

DMT: 2.00  
PIC: 2.06  
Modem: 2.6  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.2°C  
Breath Tube = 46.7°C  
Digital Sim = 33.9°C

### SETTINGS

Lamp Voltage = 1.81 V  
Cooler Voltage = 1.81 V  
Bias Voltage = 80 V  
Chopper Freq = 537 Hz

### PUMP INFO

Flow Rate = 5.679 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.5900	0.5921
MIN (V)	0.5886	0.5909

### FILTER INFO

Filter 1	0.591	Zero = true
Filter 2	0.854	Zero = true
Filter 3	1.075	Zero = true

### CALIBRATION CHECK

Xq = 0.082 1.61%

**Routine Performance Check Failed**

## Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 15-13-100
Range	= 0.094 - 0.104
Average	= 0.096 g/210L
Std Dev	= 0.0004

## RF Detection Test

Passed

## Sample Acceptance Test

Failed

Performed by \_\_\_\_\_

Date 02/22/2016

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

Date \_\_\_\_\_

DMT Serial Number #100149

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02/22/2016 7:58 AM

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## Driscoll, Rob

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**From:** Driscoll, Rob  
**Sent:** Monday, February 22, 2016 12:30 PM  
**To:** Pickel, Justin  
**Subject:** RE: Data Master at BCPD

Justin,

Thanks. You must have been "pulling" too hard on the mouthpiece. When this happens the instrument will display "suck back error". During the sample acceptance we are merely testing the one-way flap in the breath tube.

Regards,  
Rob

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**From:** Pickel, Justin  
**Sent:** Monday, February 22, 2016 10:44 AM  
**To:** Driscoll, Rob  
**Subject:** Re: Data Master at BCPD

I did feel resistance.

Officer Justin Pickel  
Barre City Police Dept.  
15 Fourth Street  
Barre VT 05641  
802-476-6613

"If opportunity doesn't knock, build a door"

On Feb 22, 2016, at 09:33, Driscoll, Rob <[Rob.Driscoll@vermont.gov](mailto:Rob.Driscoll@vermont.gov)> wrote:

Did you feel resistance when you sucked back? If not then the instrument needs to be placed out of service.

Sent from my iPhone

On Feb 22, 2016, at 9:29 AM, Pickel, Justin <[Justin.Pickel@vermont.gov](mailto:Justin.Pickel@vermont.gov)> wrote:

After getting the passing sample I feel that I wasn't sucking back hard enough so it wasn't registering on the machine.

Officer Justin Pickel  
Barre City Police Dept.  
15 Fourth Street  
Barre VT 05641

802-476-6613

"If opportunity doesn't knock, build a door"

On Feb 22, 2016, at 09:28, Driscoll, Rob <[Rob.Driscoll@vermont.gov](mailto:Rob.Driscoll@vermont.gov)> wrote:

I understand that, but after reading my first email, do you think you were sucking back too hard?

Regards,  
Rob

Sent from my iPhone

On Feb 22, 2016, at 9:27 AM, Pickel, Justin  
<[Justin.Pickel@vermont.gov](mailto:Justin.Pickel@vermont.gov)> wrote:

It failed every time I had to do the duck back sample.

Officer Justin Pickel  
Barre City Police Dept.  
15 Fourth Street  
Barre VT 05641  
802-476-6613

"If opportunity doesn't knock, build a door"

On Feb 22, 2016, at 08:55, Driscoll, Rob  
<[Rob.Driscoll@vermont.gov](mailto:Rob.Driscoll@vermont.gov)> wrote:

Justin,

Why did it keep failing? Do you know what caused the fails now?

Thanks,  
Rob

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**From:** Pickel, Justin  
**Sent:** Monday, February 22, 2016 8:43 AM  
**To:** Driscoll, Rob  
**Subject:** RE: Data Master at BCPD

Rob

After the fifth attempt I was able to get the RPC completed.

Thanks for your help.

Officer Justin Pickel  
Barre City Police Dept.  
802-476-6613

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**From:** Driscoll, Rob  
**Sent:** Monday, February 22, 2016 7:06 AM  
**To:** Pickel, Justin  
**Subject:** RE: Data Master at BCPD

Justin,

During the "suck back test", make sure that you are only applying a very small amount of backwards pressure. All you are testing is that you feel resistance, not to "pull" so hard you cause an error. If there is no resistance this could mean the rubber flap in the breath tube was sucked through and not sealing anymore. Please try again and let me know.

Regards,  
Rob

Robert Driscoll  
Vermont Forensics Laboratory  
45 State Drive  
Waterbury, VT 05671  
Electronics Technician  
[Rob.Driscoll@Vermont.gov](mailto:Rob.Driscoll@Vermont.gov)  
Desk: (802) 241-5817  
Cell: (802) 585-0123

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**From:** Pickel, Justin  
**Sent:** Monday, February 22, 2016 7:03 AM  
**To:** Driscoll, Rob  
**Subject:** Data Master at BCPD

Good morning,

I attempted to do the RPC this morning on our Data Master. Everything went

good until the breathe sample. For three  
test in a row it said the suck back  
sample was invalid. Im not sure what to  
do from here. The data master is still in  
service but says the RPC is due now.

Officer Justin Pickel  
Barre City Police Dept.  
802-476-6613