

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100143  
Location: RANDOLPH PD  
Calibration Date: 07/23/2015  
Certification Date: 07/23/2015  
Installation Date: 07/23/2015  
RPC Date: 02/05/2016  
Supervisor Name: STEVEN G TIERSCH

## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 49.0°C  
Breath Tube = 48.1°C  
Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.78 V  
Cooler Voltage = 1.74 V  
Bias Voltage = 81 V  
Chopper Freq = 541 Hz

### PUMP INFO

Flow Rate = 5.601 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1305	0.1313
MIN(V)	0.1278	0.1291

### FILTER INFO

Filter 1	0.130	Zero = true
Filter 2	0.222	Zero = true
Filter 3	0.980	Zero = true

### CALIBRATION CHECK

Xq = 0.091 0.86%

**Routine Performance Check Passed**

## Accuracy and Precision Check

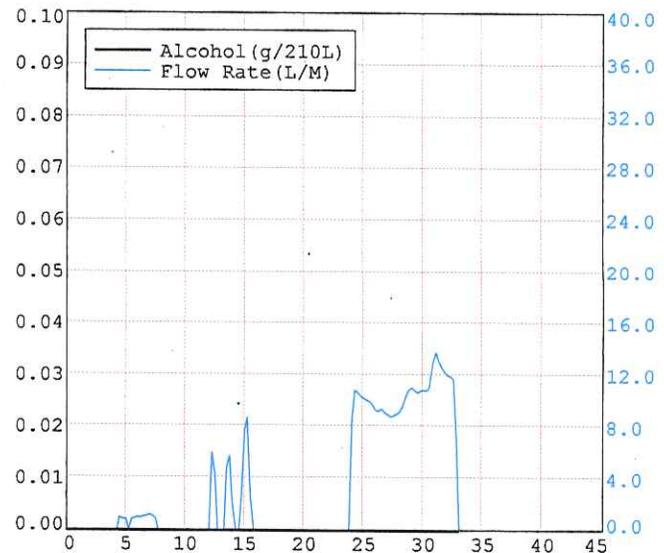
Concentration	= 0.097 g/210L
Lot #	= 15-23-100
Range	= 0.092 - 0.102
Average	= 0.100 g/210L
Std Dev	= 0.0000

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



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

Date 02/05/2016

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

Date 2/8/16

DMT Serial Number #100143

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02/05/2016 1:36 PM

JSD

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JSD  
2/17/16

JSD  
2/19/16

# ROUTINE PERFORMANCE CHECK REPORT



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Calibration Date: 07/23/2015  
Certification Date: 07/23/2015  
Installation Date: 07/23/2015  
RPC Date: 02/05/2016  
Supervisor Name: STEVEN G TIERSCH

## Diagnostic Results

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

### TEMPERATURES

Sample Chamber = 48.8°C  
Breath Tube = 48.1°C  
Digital Sim = 33.9°C

### SETTINGS

Lamp Voltage = 1.78 V  
Cooler Voltage = 1.74 V  
Bias Voltage = 81 V  
Chopper Freq = 539 Hz

### PUMP INFO

Flow Rate = 5.429 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0565	0.0589
MIN(V)	0.0541	0.0567

### FILTER INFO

Filter 1	0.058	Zero = true
Filter 2	0.152	Zero = true
Filter 3	0.919	Zero = true

### CALIBRATION CHECK

Xq = 0.091 0.10%

**Routine Performance Check Failed**

## Accuracy and Precision Check

Concentration	= 0.097 g/210L
Lot #	= 15-23-100
Range	= 0.092 - 0.102
Average	= 0.100 g/210L
Std Dev	= 0.0008

## RF Detection Test

Failed

JSD  
2/8/16

See attached  
e-mail conversation  
JSD 2/12/16

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

Date 02/05/2016

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

Date \_\_\_\_\_

JSD

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JSD  
2/17/16

## Dukette, Jeffery

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**From:** Dukette, Jeffery  
**Sent:** Friday, February 12, 2016 12:48 PM  
**To:** Tiersch, Steven  
**Subject:** RE: DataMaster DMT RPC

Officer Tiersch,

Thanks for getting back to me. I'll make a note on the RPC. In the future that would be great if you could send an email to [dps.dmt@vermont.gov](mailto:dps.dmt@vermont.gov) if there are any errors that occur during an RPC. We will contact you regardless, but being proactive and sending a message while it's fresh in your mind is a good idea.

Have a great weekend,

Jeff

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**From:** Tiersch, Steven  
**Sent:** Friday, February 12, 2016 12:43 PM  
**To:** Dukette, Jeffery  
**Subject:** RE: DataMaster DMT RPC

Good afternoon Jeffery,

I accidently hit the cancel button during the test. It was an error on my part not the part of the DMT. If you have any further questions please let me know. In the future if there is an error like this would you like me to email you?

Very respectfully,

Steven Tiersch

Officer Steven Tiersch  
Patrol Officer  
Randolph Police Department  
6 Salisbury Street  
Randolph VT, 05060  
802-728-3737  
802-728-2512 (fax)

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**From:** Dukette, Jeffery  
**Sent:** Thursday, February 11, 2016 10:08 AM  
**To:** Tiersch, Steven  
**Subject:** DataMaster DMT RPC

Officer Tiersch,

I am writing to follow up on the RPC you performed on the DataMaster on 2/5/16. I noticed there were two attempts at the RPC, with the first attempt having failed the RF detection test. Can you please let me know why this test failed or why you cancelled the test at this stage?

Thank you,

*Jeff Dukette*  
Forensic Chemist  
Vermont Forensic Laboratory  
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Waterbury, VT 05671  
(802) 241-5275  
[Jeffery.Dukette@vermont.gov](mailto:Jeffery.Dukette@vermont.gov)