

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 103709  
Location: St. Johnsbury VSP  
Calibration Date: 09/08/2011  
Certification Date: 09/08/2011  
Installation Date: 09/30/2011  
RPC Date: 01/23/2013  
Supervisor Name: CASSANDRA L HERBES

## Diagnostic Results

VERSIONS  
DMT: 1.01  
PIC: 2.06  
Modem: 2.4  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 44.3°C  
Digital Sim = 33.7°C

### SETTINGS

Lamp Voltage = 1.75 V  
Cooler Voltage = 1.71 V  
Bias Voltage = 80 V  
Chopper Freq = 539 Hz

### PUMP INFO

Flow Rate = 6.209 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.2205	0.2236
MIN (V)	0.2195	0.2220

### FILTER INFO

Filter 1	0.222	Zero = true
Filter 2	0.325	Zero = true
Filter 3	0.571	Zero = true

### CALIBRATION CHECK

Xq = 0.075 0.23%

**Routine Performance Check Passed**

## Accuracy and Precision Check

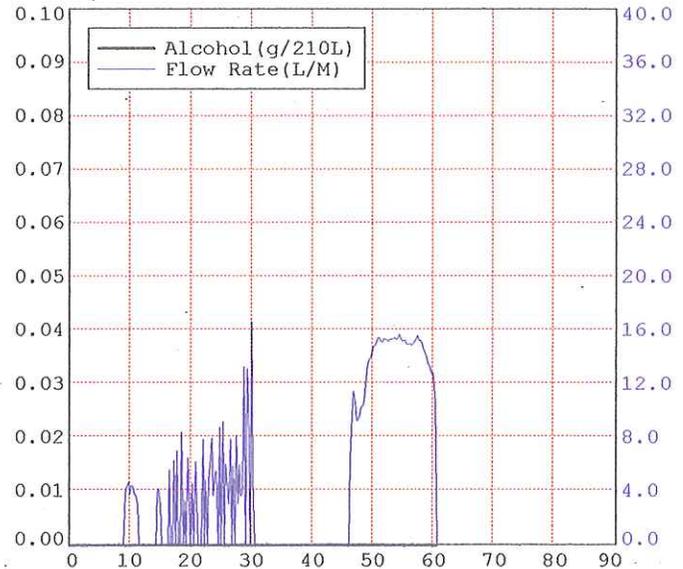
Concentration = 0.098 g/210L  
Lot # = 12-73-100  
Range = 0.093 - 0.103  
Average = 0.100 g/210L  
Std Dev = 0.0000

## RF Detection Test

Passed

## Sample Acceptance Test

Passed



Performed by                     

Date 01/23/2013

Reviewed by                     

Date 1/30/13

DMT Serial Number #103709

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01/23/2013 4:46 PM

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*[Handwritten signature]*  
2/21/2013

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Supervisor Name: CASSANDRA L HERBES

## Diagnostic Results

### VERSIONS

DMT: 1.01  
PIC: 2.06  
Modem: 2.4  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.1°C  
Breath Tube = 46.1°C  
Digital Sim = 33.7°C

### SETTINGS

Lamp Voltage = 1.75 V  
Cooler Voltage = 1.71 V  
Bias Voltage = 80 V  
Chopper Freq = 541 Hz

RF Detected

**Routine Performance Check Failed**

Performed by

*CML*

Date

01/22/2013

Reviewed by

Date

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Supervisor Name: CASSANDRA L HERBES

## Diagnostic Results

### VERSIONS

DMT: 1.01  
PIC: 2.06  
Modem: 2.4  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 46.2°C  
Digital Sim = 33.7°C

### SETTINGS

Lamp Voltage = 1.75 V  
Cooler Voltage = 1.71 V  
Bias Voltage = 80 V  
Chopper Freq = 541 Hz

RF Detected

**Routine Performance Check Failed**

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Performed by

*CWH*

Date

01/22/2013

Reviewed by

Date

# ROUTINE PERFORMANCE CHECK REPORT



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RPC Date: 01/22/2013  
Supervisor Name: CASSANDRA L HERBES

## Diagnostic Results

### VERSIONS

DMT: 1.01  
PIC: 2.06  
Modem: 2.4  
Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.0°C  
Breath Tube = 45.6°C  
Digital Sim = 33.6°C

### SETTINGS

Lamp Voltage = 1.75 V  
Cooler Voltage = 1.71 V  
Bias Voltage = 80 V  
Chopper Freq = 541 Hz

### PUMP INFO

Flow Rate = 6.166 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.3240	0.3266
MIN (V)	0.3226	0.3252

### FILTER INFO

Filter 1	0.326	Zero = true
Filter 2	0.426	Zero = true
Filter 3	0.668	Zero = true

### CALIBRATION CHECK

Xq = 0.075 0.23%

## Accuracy and Precision Check

Concentration =  
Lot # =  
Range =  
Average =  
Std Dev =  
Sim. Temp. out of range

**Routine Performance Check Failed**

Performed by

A handwritten signature in black ink, appearing to be 'C. Herbes', is written over a horizontal line.

Date

01/22/2013

Reviewed by

Date

Driscoll, Rob

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**From:** Driscoll, Rob  
**Sent:** Wednesday, February 13, 2013 9:05 AM  
**To:** Herbes, Cassandra  
**Subject:** February RPC

Cassandra,

I received your passing February RPC along with the previous failing attempts. Do you have any further info on what the fails were for? It looks like RF was detected a couple of times while attempting the RPC (maybe your radio was on and next to the instrument?) and the other may have failed the accuracy and precision check. Can you please send me a "status history report" for the date of the RPC (1/23/13), as this will show the errors associated with the failed attempts. I understand this was your first RPC as a DMT supervisor so this is understandable as it takes a few to get comfortable with the process. I just want to add any extra info in the instrument folder for complete transparency. If you have any questions please feel free to give me a call.

Regards,  
Rob

Robert Driscoll  
Electronics Technician  
Vermont Forensic Laboratory  
103 South Main Street  
Waterbury, VT 05671-2101  
(802) 241-5817 (desk)

# Status Record History

Status Date	Status Time	Test Type	Status Message
01/01/2013	00:24:28	DUI Subject Record	Simulator Out of Range
01/04/2013	02:12:12	DUI Subject Record	Simulator Out of Range
01/04/2013	02:18:24	DUI Subject Record	RESPONSE TIMEOUT
01/05/2013	03:35:31	DUI Subject Record	RESPONSE TIMEOUT
01/18/2013	02:18:00	DUI Subject Record	Simulator Out of Range
01/22/2013	17:25:07	RPC Record	Diagnostic Check Failed
01/22/2013	17:57:33	RPC Record	Diagnostic Check Failed
01/22/2013	18:59:25	RPC Record	ACCURACY AND PRECISION CHECK FAILED
01/27/2013	01:59:37	DUI Subject Record	RESPONSE TIMEOUT

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