



**Vermont Department of Health Laboratory**

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**DATAMASTER TECHNICAL SUPPORT INQUIRY**

Agency/Site: UVM PD \_\_\_\_\_ DataMaster Serial #: 121706 \_\_\_\_\_

Date: 10 /30 /2011 \_\_\_\_\_ Requestor: Matt Collins \_\_\_\_\_

Instrument Supervisor: Matt Collins \_\_\_\_\_ Phone #: \_\_\_\_\_

Taken By: Steven Harnois \_\_\_\_\_

Problem: Printer Not Working / Solution Out of Range \_\_\_\_\_

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\_\_\_\_\_  
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Laboratory Response: Will Be Down Today (10/31/2011) \_\_\_\_\_

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Work Performed: \_\_\_\_\_

10/31/2011 - Went to UVM PD and found that for some reason the printer was not working, found that the Simulator Temperature was 33.8 deg C. Also found that the simulator was not leaking and that the system is working correctly. Returned to the laboratory to pick up solution and a different printer. Replaced the printer at UVM PD and also did a simulator solution change after adjusting the simulator temperature to 34.0 deg C +/- 0.1 deg C. SGT Wooster witnessed the temperature reading on the NIST Thermometer. The results of the simulator solution change are within spec. Instrument is back in service. SH

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On Site     In-house

Attachments:   2   pages

Performed By: Steven Harnois SH 11/3/11

Date: 10/31/2011

Final Review: Kirk L. Kimball KK 11-3-11

Date: 11/03/2011

*Sub*  
*11/3/11*

# SIMULATOR SOLUTION CHANGE REPORT

DataMaster DMT: 121706  
Location: UVM PD  
Date: 10/31/2011  
Performed by: STEVEN E HARNOIS



## Accuracy and Precision Check

Concentration = 0.100 g/210L  
Lot # = 12-32-100  
Range = 0.095 - 0.105  
Average = 0.098 g/210L  
Std Dev = 0.000

Simulator Temperature: 34.0°C

Performed by *Steve Harno*

Date 10/31/2011

*D 11/3/11*

# DIAGNOSTIC RESULT

DataMaster DMT: 121706  
Location: UVM PD  
Calibration Date: 05/27/2011  
Certification Date: 05/27/2011  
Installation Date: 05/27/2011  
Test Date: 10/31/2011  
Time: 13:18



VERSIONS  
DMT 1.05  
PIC 2.05  
Modem 1.06  
Questions 1.00  
Reports 1.02

TEMPERATURES  
Sample Chamber = 48.91°C  
Breath Tube = 45.70°C  
Digital Sim = 33.9°C

SETTINGS  
Lamp Voltage = 1.77 V  
Cooler Voltage = 1.70 V  
Bias Voltage = 80.2 V  
Chopper Freq = 540.9 Hz

PUMP INFO  
Flow Rate = 4.127 L/M

DETECTOR INFO  
PUMP ON OFF  
MAX(V) 0.2730 0.2760  
MIN(V) 0.2711 0.2742

FILTER INFO  
Filter 1 0.275 Zero = true  
Filter 2 1.000 Zero = true  
Filter 3 1.078 Zero = true

CALIBRATION CHECK  
Xq = 0.0953 0.37%

*10/31/11*