



**VERMONT FORENSIC LABORATORY**

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**DATAMASTER TECHNICAL SUPPORT INQUIRY**

Agency/Site: South Burlington PD DataMaster Serial #: 100162

Date: 12/6/2014 Requestor: Dave Solomon

Instrument Supervisor: Dave Solomon Phone #: (802)846-4111

Taken By: Robert Driscoll

Problem: DMT Supervisor changed simulator solution on 12/3 and it went out of range on 12/5. During the subsequent simulator solution change, the solution was out of range.

Laboratory Response: R. Driscoll will troubleshoot on site.

Work Performed: Removed the simulator from the tower and leak-checked. No leaks in the simulator so re-attached to tower. Opened instrument cover to inspect tubing for any leaks; everything appears to be connected with no signs of any leaks. Verified simulator temperature with NIST traceable thermometer s/n: 91A-4704 with temperature at 34.1 degrees C. Re-ran the solution change protocol and the accuracy and precision check passed at .097g/210L with a certified value of .099g/210L. The instrument is back in service.

On Site  In-house

Attachments: 4 pages

Performed By: Robert Driscoll RCD

Date: 12/8/2014

Final Review: [Signature]

Date: 12/9/2014

**Driscoll, Rob**

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**From:** Dave Solomon <dsolomon@sbdpvt.org>  
**Sent:** Saturday, December 06, 2014 12:01 AM  
**To:** Driscoll, Rob  
**Cc:** James Mills; Sarah Superneau  
**Subject:** DMT Problem  
**Attachments:** S45C-214120523430.pdf

Rob,

We are having DMT Issues again. I changed the solution on 12/03/14 and it barely passed. The next day we had two DUIs and both times the solution was out of range. I spoke to both officers about trying it twice next time, but given that it was just changed and already out of range, I am thinking it would not have mattered. I changed it out again today and this time the solution change failed, so we are out of service. Both bottles were from the same lot. The DMT has not been getting a lot of use, but I don't know if that matters. There is no longer a blast of cold air streaming in the room and the temperature does not feel cool. Can you come by at some point and check the DMT before I do another change (we are out of solution anyway)? I have attached the solution changes and attempted DUI tests to this e-mail as well. If you need to check in with anybody, Jamie and I will be back in on Wednesday, I am not sure what Sarah's schedule is. Talk to you soon.

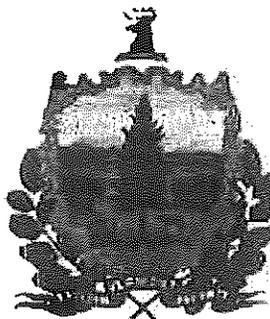
Dave

SGT DAVID SOLOMON  
SOUTH BURLINGTON POLICE DEPARTMENT  
PATROL DIVISION  
19 GREGORY DR.  
SOUTH BURLINGTON, VT 05403  
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# SOLUTION CHANGE

DataMaster DMT: 100162  
Location: South Burlington PD  
Date: 12/03/2014  
Performed by: DAVID SOLOMON



## Accuracy and Precision Check

Concentration = 0.099 g/210L  
Lot # = 14-14-100  
Range = 0.094 - 0.104  
Average = 0.094 g/210L  
Std Dev = 0.0000

Simulator Temperature: 34.1°C

Performed by

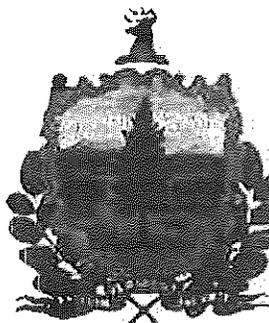
MG71

Date

12/03/2014

# SOLUTION CHANGE

DataMaster DMT: 100162  
Location: South Burlington PD  
Date: 12/05/2014  
Performed by: DAVID SOLOMON



## Accuracy and Precision Check

Concentration = 0.099 g/210L  
Lot # = 14-14-100  
Range = 0.094 - 0.104  
Average = 0.093 g/210L  
Std Dev = 0.0000  
Average out of range

Simulator Temperature: 34°C

Solution Change Failed

Performed by

M 671

Date

12/05/2014

# SOLUTION CHANGE

DataMaster DMT: 100162  
Location: South Burlington PD  
Date: 12/08/2014  
Performed by: ROBERT DRISCOLL



## Accuracy and Precision Check

Concentration = 0.099 g/210L  
Lot # = 14-14-100  
Range = 0.094 - 0.104  
Average = 0.097 g/210L  
Std Dev = 0.0000

Simulator Temperature: 34°C

Performed by RD

Date 12/08/2014