ROUTINE PERFORMANCE CHECK REPORT

DataMaster DMT: 100157
Location: Colchester PD
Calibration Date: 02/07/2012
Certification Date: 02/08/2012
Installation Date: 09/12/2012
RPC Date: 02/24/2017
Supervisor Name: CHRISTOPHER M JONES

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube    = 45.9°C
Digital Sim    = 34.1°C

SETTINGS
Lamp Voltage   = 1.63 V
Cooler Voltage = 1.67 V
Bias Voltage   = 80 V
Chopper Freq   = 555 Hz

PUMP INFO
Flow Rate = 4.423 L/M

DETECTOR INFO
PUMP     ON         OFF
MAX(V)    0.1750     0.1780
MIN(V)    0.1732     0.1764

FILTER INFO
Filter 1   0.177  Zero = true
Filter 2   0.471  Zero = true
Filter 3   1.537  Zero = true

CALIBRATION CHECK
Xq  = 0.094  0.18%
```

Routine Performance Check Passed

Accuracy and Precision Check

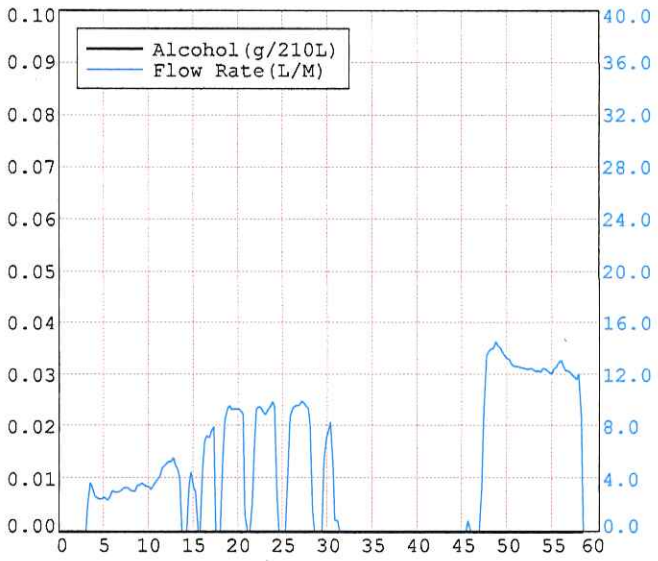
Concentration	= 0.098 g/210L
Lot #	= 16-21-100
Range	= 0.093 - 0.103
Average	= 0.097 g/210L
Std Dev	= 0.0008

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by Chris MIEI Date 02/24/2017

Reviewed by _____ Date 2/24/17

3/3/17

1 of 3 RD

Re: DMT

Driscoll, Rob

Fri 2/24/2017 9:22 AM

Sent Items

To:Ptl. Christopher Jones <christopher.jones@colchesterpdvt.org>;

Chris,

I could come by today to check out your simulator and bring some solution.

Regards,
Rob

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

From: Ptl. Christopher Jones <christopher.jones@colchesterpdvt.org>
Sent: Friday, February 24, 2017 9:20:05 AM
To: Driscoll, Rob
Subject: DMT

Rob,

The RPC was completed this morning, with that I have a couple of thing I want to run by you.

Our DMT went out of range and I changed the solution on 01-15-17, where it tested to .098. On 02-05-17 I processed 2 DUI's where the self test the solution showed .095. By 02-23-17 the solution was out of range again.

While changing the solution today, I noticed a small chip on the top thread of the glass jar. Could this contribute to the quick loss of the solution percentage? Would we be able to get a new jar to replace.

While doing the RPC, I accidentally hit the cancel button while the radio interference check and aborted the test. So during the first 5 Accuracy and precision test all 5 showed .098. When I re-did the RPC because of my error, the second round of accuracy and precision test it was .098, .097, .098, .097, .097. I know that this is a small change, but still less then 20 minutes from the initial A+P testing.

We are also out of solution, not sure if some could be sent our way.

Thanks

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Supervisor Name: CHRISTOPHER M JONES

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 49.0°C
Breath Tube    = 46.9°C
Digital Sim    = 34.0°C

SETTINGS
Lamp Voltage   = 1.63 V
Cooler Voltage = 1.67 V
Bias Voltage   = 80 V
Chopper Freq   = 554 Hz

PUMP INFO
Flow Rate = 4.463 L/M

DETECTOR INFO
PUMP     ON         OFF
MAX(V)    0.1673     0.1701
MIN(V)    0.1654     0.1687

FILTER INFO
Filter 1   0.169  Zero = true
Filter 2   0.462  Zero = true
Filter 3   1.528  Zero = true

CALIBRATION CHECK
Xq  = 0.094  0.83%
```

Routine Performance Check Failed

Accuracy and Precision Check

Concentration	= 0.098 g/210L
Lot #	= 16-21-100
Range	= 0.093 - 0.103
Average	= 0.098 g/210L
Std Dev	= 0.0000

RF Detection Test

Failed

Performed by _____ **Date** 02/24/2017

Reviewed by _____ **Date** _____

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