

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 104309
Location: Windsor PD
Calibration Date: 09/08/2011
Certification Date: 09/08/2011
Installation Date: 02/25/2015
RPC Date: 03/02/2016
Supervisor Name: CHARLES D RATAJ

Diagnostic Results

VERSIONS
DMT: 2.00
PIC: 2.06
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.6°C
Breath Tube = 48.0°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.67 V
Cooler Voltage = 1.80 V
Bias Voltage = 80 V
Chopper Freq = 540 Hz

PUMP INFO

Flow Rate = 5.756 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.2494	0.2520
MIN (V)	0.2480	0.2508

FILTER INFO

Filter	Value	Zero
Filter 1	0.251	Zero = true
Filter 2	0.522	Zero = true
Filter 3	0.286	Zero = true

CALIBRATION CHECK

Xq = 0.085 1.24%

Routine Performance Check Passed

Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 15-23-100
Range	= 0.094 - 0.104
Average	= 0.101 g/210L
Std Dev	= 0.0004

Concentration does not match the lot number. See attached email

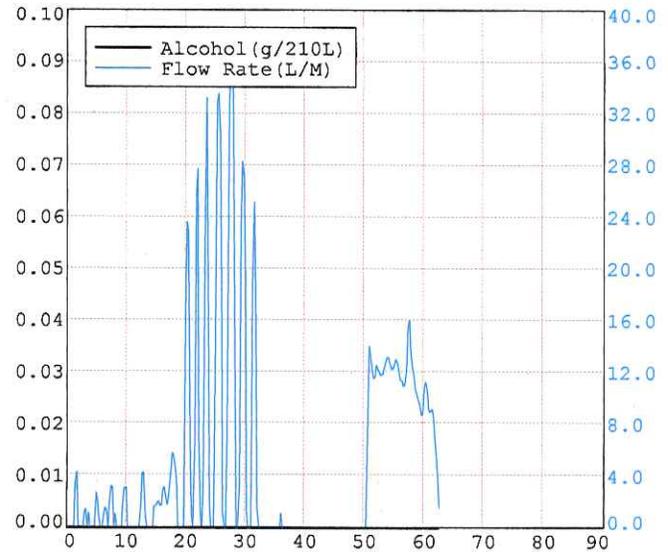
JSD 3/2/16

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by _____

Date 03/02/2016

Reviewed by _____

Date 3/4/16

DMT Serial Number #104309

Page 1 of 1

03/02/2016 4:10 AM

Page 2 of 4

JSD 3/4/16

JSD
3/2/16

Dukette, Jeffery

From: Rataj, Charles
Sent: Thursday, March 03, 2016 8:34 AM
To: Dukette, Jeffery
Subject: RE: DMT Routine Performance Check

Ok, got it! I will knock it out today; thanks for the help.

Sergeant Charles Rataj
Windsor Police Department
(802) 674-9042

From: Dukette, Jeffery
Sent: Thursday, March 03, 2016 8:33 AM
To: Rataj, Charles
Subject: RE: DMT Routine Performance Check

Verify the concentration and lot # on the sticker/bottle (which it looks like you have already done based on the email you sent me) and then perform a solution change protocol. There is no need to change the sim solution itself since it is still good. Just enter the correct sim solution information into the instrument. Unfortunately, there will still be a 30 minute wait period because it's programmed into the software even though the solution will already be at the appropriate temperature.

From: Rataj, Charles
Sent: Thursday, March 03, 2016 8:28 AM
To: Dukette, Jeffery
Subject: RE: DMT Routine Performance Check

Jeff,

How do you want me to correct this? Change the solution even tho its good?

Sergeant Charles Rataj
Windsor Police Department
(802) 674-9042

From: Dukette, Jeffery
Sent: Thursday, March 03, 2016 7:12 AM
To: Rataj, Charles
Subject: RE: DMT Routine Performance Check

Charles,

It must have been a data entry mistake. The concentration and lot in the e-mail you sent me is correct. On the RPC, the concentration entered was 0.099.

Jeff

From: Rataj, Charles
Sent: Wednesday, March 02, 2016 4:50 PM
To: Dukette, Jeffery
Subject: RE: DMT Routine Performance Check

Good Afternoon Jeffery,

Here is the information from the bottle that I used:

Lot # 15-23-100
Conc: 0.097

Did I make a data entry error or is the information on this bottle incorrect?

Charles

Sergeant Charles Rataj
Windsor Police Department
(802) 674-9042

From: Dukette, Jeffery
Sent: Wednesday, March 02, 2016 7:59 AM
To: Rataj, Charles
Subject: DMT Routine Performance Check

Good morning Charles,

I am following up on the RPC you performed this morning for the DMT instrument. The simulator solution concentration and lot number that was entered does not match the correct concentration for that lot of sim solution. As a result, a solution change protocol will need to be performed with the correct concentration before any breath tests can be run on the instrument. If you are busy, can you please remove the DMT from service until a DMT supervisor has the opportunity to perform a solution change? Please let me know if you have any questions.

Thanks,

Jeff Dukette
Forensic Chemist
Vermont Forensic Laboratory
45 State Drive
Waterbury, VT 05671
(802) 241-5275
Jeffery.Dukette@vermont.gov

SOLUTION CHANGE

DataMaster DMT: 104309
Location: Windsor PD
Date: 03/03/2016
Performed by: CHARLES D RATAJ



Accuracy and Precision Check

Concentration = 0.097 g/210L
Lot # = 15-23-100
Range = 0.092 - 0.102
Average = 0.099 g/210L
Std Dev = 0.0004

JSO
3/4/16

Simulator Temperature: 34.1°C

Performed by _____

Date 03/03/2016