

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 101708
Location: Royalton VSP
Calibration Date: 09/08/2011
Certification Date: 09/08/2011
Installation Date: 04/25/2013
RPC Date: 10/30/2015
Supervisor Name: STEVEN C STEARNS

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 48.1°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.80 V
Cooler Voltage = 1.81 V
Bias Voltage = 80 V
Chopper Freq = 544 Hz

PUMP INFO

Flow Rate = 5.938 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0774	0.0795
MIN(V)	0.0762	0.0778

FILTER INFO

Filter	Value	Zero
Filter 1	0.078	Zero = true
Filter 2	0.682	Zero = true
Filter 3	0.821	Zero = true

CALIBRATION CHECK

Xq = 0.086 1.94%

Routine Performance Check Passed

Accuracy and Precision Check

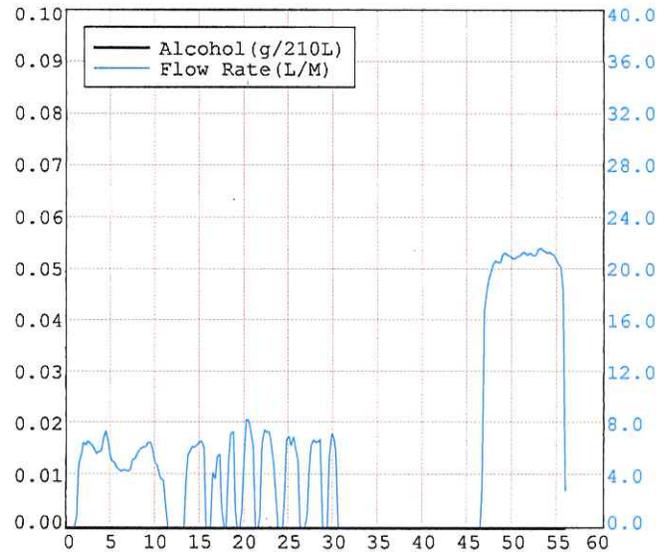
Concentration = 0.099 g/210L
Lot # = 15-05-100
Range = 0.094 - 0.104
Average = 0.100 g/210L
Std Dev = 0.0005

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by Steven Stearns

Date 10/30/2015

Reviewed by AS

Date 11/2/15

DMT Serial Number #101708

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10/30/2015 9:42 AM

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Driscoll, Rob

From: Stearns, Steven
Sent: Monday, November 02, 2015 11:16 AM
To: Driscoll, Rob
Subject: RE: VSP Royalton RPC - October

Oh! Sorry! I didn't know... after I changed the sim solution, apparently the cover wasn't on tightly or something... I took the lid off and readjusted it and then the test went through ok...

From: Driscoll, Rob
Sent: Monday, November 02, 2015 11:13 AM
To: Stearns, Steven <Steven.Stearns@vermont.gov>
Subject: RE: VSP Royalton RPC - October

Steve,

I noticed via our HOST computer that you had a failed RPC attempt. Why did the first RPC fail? In the future, please email us explaining what happened should you have a failed attempt.

Regards,
Rob

From: Stearns, Steven
Sent: Friday, October 30, 2015 9:51 AM
To: Driscoll, Rob
Subject: VSP Royalton RPC - October

Here's my test results for the Oct RPC

Steven Stearns

Barracks Clerk
Vermont State Police – Royalton Station
2011 VT RTE 107
Bethel, VT 05032
802-234-9430, ext. 2901 (phone)
802-234-6520 (fax)

****Please note, my email address has changed, it is now:****
steven.stearns@vermont.gov

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Location: Royalton VSP
Calibration Date: 09/08/2011
Certification Date: 09/08/2011
Installation Date: 04/25/2013
RPC Date: 10/30/2015
Supervisor Name: STEVEN C STEARNS

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 48.1°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.80 V
Cooler Voltage = 1.81 V
Bias Voltage = 80 V
Chopper Freq = 544 Hz

PUMP INFO

Flow Rate = 5.812 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0758	0.0776
MIN(V)	0.0742	0.0758

FILTER INFO

Filter 1	0.077	Zero = true
Filter 2	0.681	Zero = true
Filter 3	0.819	Zero = true

CALIBRATION CHECK

Xq = 0.087 2.76%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev

Performed by Stearns Date 10/30/2015

Reviewed by _____ Date _____