

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100160
 Location: ST. ALBANS PD
 Calibration Date: 05/12/2020
 Certification Date: 05/12/2020
 Installation Date: 10/22/2021
 RPC Date: 08/22/2022
 Supervisor Name: KEITH P MCMAHON

Diagnostic Results

VERSIONS
 DMT: 2.06
 PIC: 2.08
 Modem: 2.6
 Questions: 2.1

TEMPERATURES
 Sample Chamber = 48.9°C
 Breath Tube = 40.6°C
 Digital Sim = 34.0°C

SETTINGS
 Lamp Voltage = 1.64 V
 Cooler Voltage = 1.66 V
 Bias Voltage = 80 V
 Chopper Freq = 544 Hz

PUMP INFO
 Flow Rate = 4.920 L/M

DETECTOR INFO
 PUMP ON OFF
 MAX(V) -0.0683 -0.0612
 MIN(V) -0.0722 -0.0644

FILTER INFO
 Filter 1 -0.063 Zero = true
 Filter 2 0.252 Zero = true
 Filter 3 1.414 Zero = true

CALIBRATION CHECK
 Xq = 0.085 2.48%

Routine Performance Check Passed

Accuracy and Precision Check

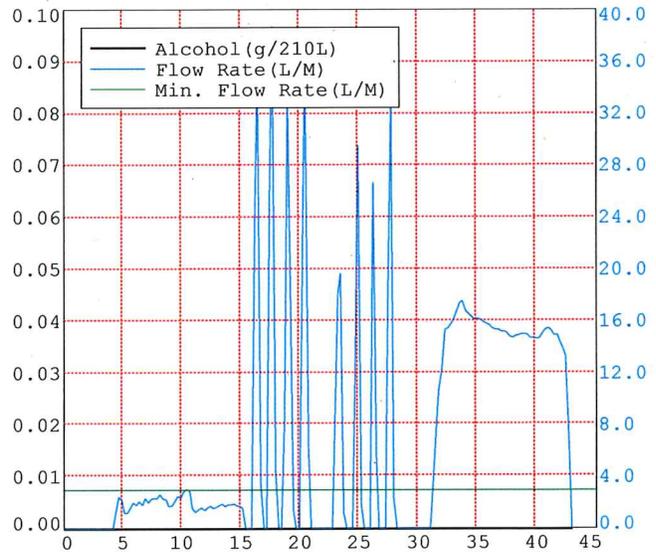
Concentration = 0.099 g/210L
 Lot # = 22-01-100
 Range = 0.094 - 0.104
 Average = 0.096 g/210L
 Std Dev = 0.0005

RF Detection Test

Passed
 RF detected

Sample Acceptance Test

Passed



Performed by [Signature]

Date 08/22/2022

Reviewed by [Signature]

Date 8/24/2022

[Handwritten signature]
 08/24/22

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100160
Location: ST. ALBANS PD
Calibration Date: 05/12/2020
Certification Date: 05/12/2020
Installation Date: 10/22/2021
RPC Date: 08/22/2022
Supervisor Name: KEITH P MCMAHON

Diagnostic Results

VERSIONS
DMT: 2.06
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 41.5°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.64 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 543 Hz

PUMP INFO

Flow Rate = 4.755 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0744	-0.0659
MIN (V)	-0.0772	-0.0689

FILTER INFO

Filter 1	-0.069	Zero = true
Filter 2	0.246	Zero = true
Filter 3	1.411	Zero = true

CALIBRATION CHECK

Xq = 0.087 0.60%

Routine Performance Check Failed

Reason: ACCURACY AND PRECISION CHECK FAILED

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev
Simulator Timed Out

Performed by _____

Date 08/22/2022

Reviewed by _____

Date _____

DMT Serial Number #100160

Page 1 of 1

08/22/2022 4:34 PM

100160

SES

2

Re: St Albans RPC

Keith McMahon <keith.mcmahon@stalbanspd.com>

Wed 2022-08-24 10:55 AM

To: DPS - DMT <DPS.DMT@vermont.gov>

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.

Yes I did an rpc because the solution was out of range but it had an RPC needed message in the corner so I just did it anyway. I thought this was odd but did it anyways because it asked me too. As far as the intermittent errors, no one has tried to fix anything. I did run many cycles of checks and it finally corrected itself.

Get [Outlook for iOS](#)

From: DPS - DMT <DPS.DMT@vermont.gov>
Sent: Wednesday, August 24, 2022 10:51:42 AM
To: Keith McMahon <Keith.McMahon@stalbanspd.com>
Subject: St Albans RPC

Good morning,

We have received an RPC from your agency's DMT. Since it has not been performed during an RPC month, you will still need to perform the October RPC. Remember that you should only perform RPCs during RPC months. There is the SSC if a solution change is needed and other diagnostic tests that can be run, which will save time for any maintenance needed outside of the RPC months. Looking at your instrument records, I suspect you may have been attempting to fix the intermittent interference errors. The RPC will not accomplish this; I will be by later this week to pick up your DMT and bring it to the lab for maintenance. As always, if you have questions please reach out to us.

Thank you,
Sarah

100160

SSS

3