

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100168
Location: WINHALL PD
Calibration Date: 07/30/2015
Certification Date: 07/30/2015
Installation Date: 07/31/2015
RPC Date: 06/29/2016
Supervisor Name: JEREMIAH J ROGERS

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 40.7°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 527 Hz

PUMP INFO

Flow Rate = 5.660 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0250	0.0301
MIN(V)	0.0226	0.0246

FILTER INFO

Filter 1	0.030	Zero = true
Filter 2	0.370	Zero = true
Filter 3	1.355	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.73%

Routine Performance Check Passed

Accuracy and Precision Check

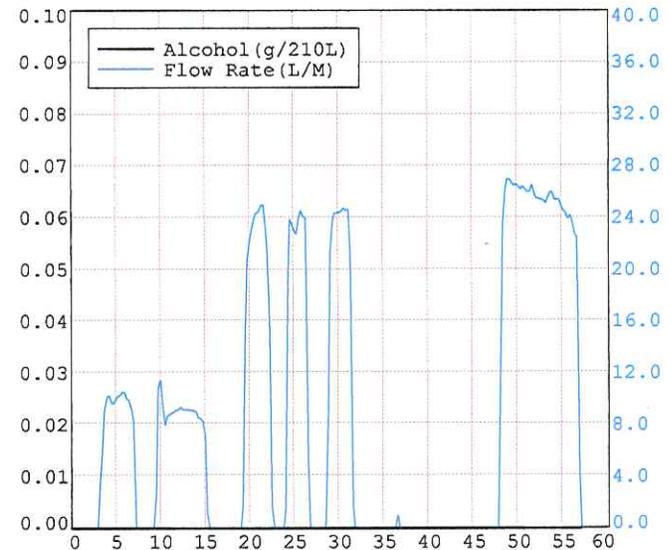
Concentration	= 0.099 g/210L
Lot #	= 16-03-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0005

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by _____

Date 06/29/2016

Reviewed by _____

Date 6/29/16

DMT Serial Number #100168

Page 1 of 1

06/29/2016 1:01 AM

Page 1 of 5 ROD

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DataMaster DMT: 100168
Location: WINHALL PD
Calibration Date: 07/30/2015
Certification Date: 07/30/2015
Installation Date: 07/31/2015
RPC Date: 06/28/2016
Supervisor Name: JEREMIAH J ROGERS

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 41.9°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 526 Hz

PUMP INFO

Flow Rate = 5.709 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0195	0.0274
MIN(V)	0.0179	0.0220

FILTER INFO

Filter 1	0.026	Zero = true
Filter 2	0.364	Zero = true
Filter 3	1.352	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.41%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev

Performed by

Jeremiah J Rogers

Date

06/28/2016

Reviewed by _____

Date _____

ROUTINE PERFORMANCE CHECK REPORT



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Calibration Date: 07/30/2015
Certification Date: 07/30/2015
Installation Date: 07/31/2015
RPC Date: 06/28/2016
Supervisor Name: JEREMIAH J ROGERS

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 41.0°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 526 Hz

PUMP INFO

Flow Rate = 5.682 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0228	0.0250
MIN(V)	0.0179	0.0203

FILTER INFO

Filter 1	0.027	Zero = true
Filter 2	0.367	Zero = true
Filter 3	1.351	Zero = true

CALIBRATION CHECK

Xq = 0.106 1.22%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev

Performed by

Date

06/28/2016

Reviewed by

Date

ROUTINE PERFORMANCE CHECK REPORT



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Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 41.8°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 526 Hz

PUMP INFO

Flow Rate = 5.624 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0224	0.0242
MIN(V)	0.0167	0.0189

FILTER INFO

Filter 1	0.025	Zero = true
Filter 2	0.365	Zero = true
Filter 3	1.350	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.81%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 16-03-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0014

RF Detection Test

Failed

Performed by

Date

06/29/2016

Reviewed by

Date

Re: June RPC Failed Attempts

Wed 6/29/2016 1:59 PM

Sent Items

To: Rogers, Jeremiah <Jeremiah.Rogers@vermont.gov>;

Jeremiah,

The most common reason for a "simulator timed out" error is a leak in the lid or quick connections after changing the solution. In the future, I suggest checking the connections and make sure the jar is snug against the lid oring of the simulator.

Regards,
Rob

Sent from my iPhone

On Jun 29, 2016, at 1:55 PM, Rogers, Jeremiah <Jeremiah.Rogers@vermont.gov> wrote:

Rob,

Every time I change the solution or do an RPC the DMT "times out" the first couple times. I honestly have no idea why? I reached out to Amanda a while back and she advised it was pretty common. Wish I had a better explanation.

Hope all is well,
Jeremiah

Sent from my iPhone

On Jun 29, 2016, at 8:25 AM, Driscoll, Rob <Rob.Driscoll@vermont.gov> wrote:

Jeremiah,

Can you please give me a brief description of what you think caused the failed RPC attempts?

Thanks,
Rob

Robert Driscoll

Vermont Forensic Laboratory

45 State Drive

5 of 5 RD