

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: 10/23/2015
 Supervisor Name: JEREMIAH J ROGERS

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 49.0°C
 Breath Tube = 48.1°C
 Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.90 V
 Cooler Voltage = 1.88 V
 Bias Voltage = 80 V
 Chopper Freq = 529 Hz

PUMP INFO

Flow Rate = 5.718 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0384	-0.0352
MIN (V)	-0.0396	-0.0368

FILTER INFO

Filter	Value	Zero
Filter 1	-0.037	Zero = true
Filter 2	0.306	Zero = true
Filter 3	1.337	Zero = true

CALIBRATION CHECK

Xq = 0.108 0.16%

Routine Performance Check Passed

Accuracy and Precision Check

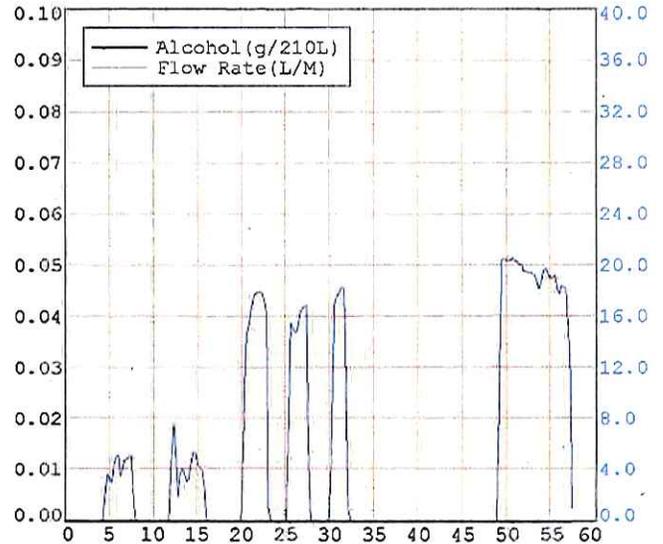
Concentration	= 0.099 g/210L
Lot #	= 15-09-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0005

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by

Jeremiah J Rogers

Date

10/23/2015

Reviewed by

JR

Date

10/28/15

DMT Serial Number #100168

Page 1 of 1

10/23/2015 4:25 AM

Page 1 of 7 RCD

JR
10/30/15

Driscoll, Rob

From: Rogers, Jeremiah
Sent: Tuesday, October 27, 2015 5:13 AM
To: Driscoll, Rob
Subject: RE: DMT/ RPC
Attachments: 20151027045002.pdf

So I think two things attributed to my failed tests (def not claiming to be an expert). 1st I didn't ventilate the room, and 2nd I didn't wait long enough between failed tests. I could be totally off base, but seems logical. Need anything else let me know.

Sorry for the hassle,

Senior Patrolman Jeremiah Rogers
Winhall Police and Rescue
113 VT Route 30; PO Box 139
Bondville, VT 05340
Phone (802) 297-1013
Fax (802) 297-1195

Please note my new email address: jeremiah.rogers@vermont.gov

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From: Driscoll, Rob
Sent: Monday, October 26, 2015 9:08 AM
To: Rogers, Jeremiah
Subject: RE: DMT/ RPC

Jeremiah,

Can you make notes as to why you think each attempt failed (at the bottom of each failed RPC) and send them back to me?

Thanks,

Rob

From: Rogers, Jeremiah
Sent: Friday, October 23, 2015 4:37 AM
To: Driscoll, Rob
Subject: DMT/ RPC

Rob,

So this was my first time doing the RPC completely alone... That being said I butchered it pretty good, but the final outcome was a successful RPC. But as you'll see in the attached documents, it took a couple tries.

Thanks, and sorry for any extra work I may have caused.

Senior Patrolman Jeremiah Rogers
Winhall Police and Rescue
113 VT Route 30; PO Box 139
Bondville, VT 05340
Phone (802) 297-1013
Fax (802) 297-1195

Please note my new email address: jeremiah.rogers@vermont.gov

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RPC Date: 10/22/2015
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 = 48.1°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 531 Hz

PUMP INFO

Flow Rate = 5.798 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0175	-0.0152
MIN (V)	-0.0193	-0.0169

FILTER INFO

Filter 1	-0.016	Zero = true
Filter 2	0.326	Zero = true
Filter 3	1.352	Zero = true

CALIBRATION CHECK

Xq = 0.108 0.33%

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev

*I reviewed the xml
raw file. the failure
was due to simulator
time out
AB 10/30/15*

Routine Performance Check Failed

OUT OF RANGE DURING CELC TEST

Performed by

Date

10/22/2015

Reviewed by

Date

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Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 48.1°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 530 Hz

PUMP INFO

Flow Rate = 5.700 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0315	-0.0289
MIN (V)	-0.0329	-0.0313

FILTER INFO

Filter	Value	Zero
Filter 1	-0.030	Zero = true
Filter 2	0.313	Zero = true
Filter 3	1.345	Zero = true

CALIBRATION CHECK

Xq = 0.108 0.08%

Routine Performance Check Passed

Accuracy and Precision Check

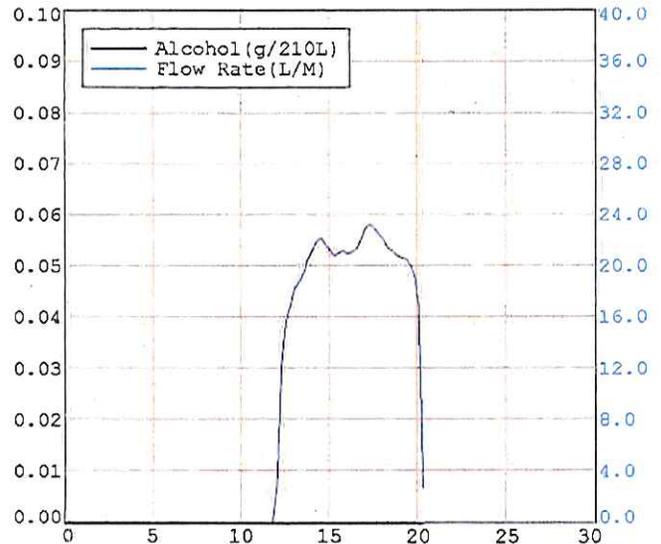
Concentration	= 0.099 g/210L
Lot #	= 15-09-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0004

RF Detection Test

Passed

Sample Acceptance Test

Passed



I DIDN'T PERFORM THE SAMPLE TEST PROPERLY

Performed by

Jeremiah J Rogers

Date

10/22/2015

Reviewed by

Date

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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 = 47.7°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 528 Hz

PUMP INFO

Flow Rate = 5.638 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	-0.0226	-0.0201
MIN(V)	-0.0238	-0.0213

FILTER INFO

Filter 1	-0.021	Zero = true
Filter 2	0.322	Zero = true
Filter 3	1.356	Zero = true

CALIBRATION CHECK

Xq = 0.108 0.16%

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev

Routine Performance Check Failed

OUT OF RANGE DURING SELF TEST

Performed by

Jeremiah J Rogers

Date

10/22/2015

Reviewed by

Date

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TEMPERATURES

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Breath Tube = 48.1°C
Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.90 V
Cooler Voltage = 1.88 V
Bias Voltage = 80 V
Chopper Freq = 528 Hz

PUMP INFO

Flow Rate = 5.645 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0222	-0.0191
MIN (V)	-0.0236	-0.0209

FILTER INFO

Filter 1	-0.020	Zero = true
Filter 2	0.322	Zero = true
Filter 3	1.355	Zero = true

CALIBRATION CHECK

Xq = 0.107 0.49%

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev

Routine Performance Check Failed

OUT OF RANGE DURING SELF TEST

Performed by

Jeremiah Rogers

Date

10/22/2015

Reviewed by

Date