

ROUTINE PERFORMANCE CHECK REPORT

DataMaster DMT: 100156
Location: FAIR HAVEN PD
Calibration Date: 03/10/2017
Certification Date: 03/10/2017
Installation Date: 03/13/2017
RPC Date: 02/06/2020
Supervisor Name: DALE H KERBER



Diagnostic Results

VERSIONS
DMT: 2.05
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 44.4°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.64 V
Cooler Voltage = 1.71 V
Bias Voltage = 80 V
Chopper Freq = 538 Hz

PUMP INFO

Flow Rate = 5.510 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.2799	0.2841
MIN(V)	0.2774	0.2815

FILTER INFO

Filter	Value	Zero
Filter 1	0.283	true
Filter 2	0.550	true
Filter 3	1.200	true

CALIBRATION CHECK

Xq = 0.097 0.54%

Routine Performance Check Passed

Accuracy and Precision Check

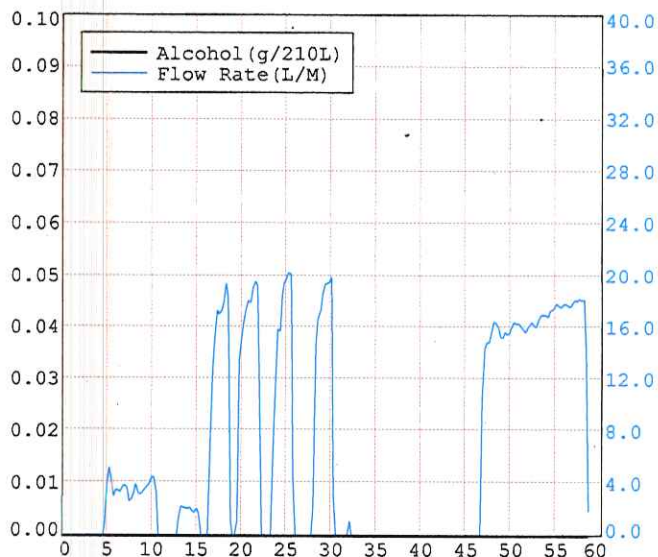
Concentration	= 0.101 g/210L
Lot #	= 19-16-100
Range	= 0.096 - 0.106
Average	= 0.098 g/210L
Std Dev	= 0.0004

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by

Dale Kerber

Date

02/06/2020

Reviewed by

SKS

Date

2/7/2020

DMT Serial Number #100156

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SKS

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Diagnostic Results

VERSIONS

DMT: 2.05
PIC: 2.08
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 44.6°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.64 V
Cooler Voltage = 1.71 V
Bias Voltage = 80 V
Chopper Freq = 539 Hz

PUMP INFO

Flow Rate = 5.430 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.2835	0.2844
MIN(V)	0.2770	0.2809

FILTER INFO

Filter 1	0.284	Zero = true
Filter 2	0.550	Zero = true
Filter 3	1.200	Zero = true

CALIBRATION CHECK

Xq = 0.097 0.80%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration = 0.101 g/210L
Lot # = 19-16-100
Range = 0.096 - 0.106
Average = 0.099 g/210L
Std Dev = 0.0022

Standard Deviation out of range

See attached email 2/28 2/7/2020

Performed by

Dale Kerber

Date

02/06/2020

Reviewed by

Date

DMT Serial Number #100156

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Re: DMT RPC

Kerber, Dale <Dale.Kerber@vermont.gov>

Fri 2020-02-07 10:27 AM

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

Everything was connected properly. I just tried it later and it was fine. Not sure why the first sample was so high compared to the other 4

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

Sent: Friday, February 7, 2020 10:04:18 AM

To: Kerber, Dale <Dale.Kerber@vermont.gov>

Subject: DMT RPC

Good morning,

I noticed that your first attempt at the RPC had a standard deviation out of range error. Could you tell me why you think this occurred so I can make a note of it for our records? Was the sim solution not fully connected at first?

Thank you,

Sarah

100156

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