

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100145
Location: BRIGHTON PD
Calibration Date: 04/27/2017
Certification Date: 04/27/2017
Installation Date: 04/28/2017
RPC Date: 11/04/2021
Supervisor Name: JEFFERY M NOYES

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 48.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.60 V
Bias Voltage = 80 V
Chopper Freq = 541 Hz

PUMP INFO

Flow Rate = 5.736 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.5104	0.5134
MIN(V)	0.5081	0.5124

FILTER INFO

Filter	Value	Zero
Filter 1	0.512	true
Filter 2	1.041	true
Filter 3	1.828	true

CALIBRATION CHECK

Xq = 0.125 0.50%

Routine Performance Check Passed

Accuracy and Precision Check

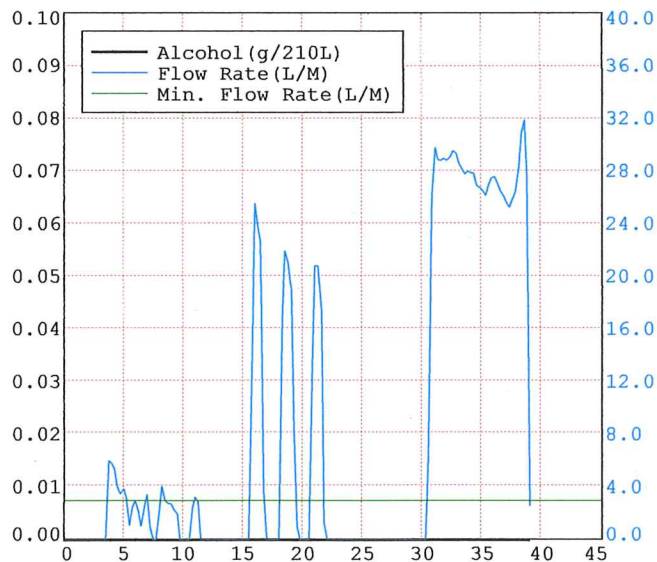
Concentration = 0.100 g/210L
Lot # = 20-11-100
Range = 0.095 - 0.105
Average = 0.098 g/210L
Std Dev = 0.0000

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

Jeffery M. Noyes

Date

11/04/2021

Reviewed by

[Signature]

Date

11/5/21

[Signature]
11/8/21

DMT Serial Number #100145

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100145

BD

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Installation Date: 04/28/2017
RPC Date: 11/04/2021
Supervisor Name: JEFFREY M NOYES

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 48.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.60 V
Bias Voltage = 80 V
Chopper Freq = 540 Hz

PUMP INFO

Flow Rate = 5.630 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.5061	0.5104
MIN (V)	0.5043	0.5087

FILTER INFO

Filter 1	0.509	Zero = true
Filter 2	1.039	Zero = true
Filter 3	1.823	Zero = true

CALIBRATION CHECK

Xq = 0.125 0.71%

Routine Performance Check Failed

Reason: ACCURACY AND PRECISION CHECK FAILED

Performed by

Jeffrey M. Noyes

Date

11/04/2021

Reviewed by

Date

100145

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Re: Brighton RPC

Noyes, Jeffrey <Jeffrey.Noyes@vermont.gov>

Fri 11/5/2021 1:36 PM

To: Dukette, Jeffery <Jeffery.Dukette@vermont.gov>

No. It was because there was a small opening in the seal on the bottle and I thought I had switched it out but did not

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From: Dukette, Jeffery <Jeffery.Dukette@vermont.gov>

Sent: Friday, November 5, 2021 10:25:20 AM

To: Noyes, Jeffrey <Jeffrey.Noyes@vermont.gov>

Subject: Brighton RPC

Hey Jeff,

Thanks for completing the RPC. I noticed on the first attempt the sim failed low at 0.052. Do you have any idea what happened? My suspicion is that the simulator head may not have been plugged in to the DMT right away, but I wanted to clarify and make sure there is no additional service needed.

Thanks,

Jeff Dukette

Forensic Chemist

Vermont Forensic Laboratory

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