

# ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100158  
 Location: NORTHFIELD PD  
 Calibration Date: 08/25/2020  
 Certification Date: 08/25/2020  
 Installation Date: 08/27/2020  
 RPC Date: 07/08/2022  
 Supervisor Name: JEFFERY DUKETTE

## Diagnostic Results

VERSIONS  
 DMT: 2.06  
 PIC: 3.07  
 Modem: 2.6  
 Questions: 2.1

### TEMPERATURES

Sample Chamber = 49.5°C  
 Breath Tube = 43.2°C  
 Digital Sim = 34.0°C

### SETTINGS

Lamp Voltage = 1.57 V  
 Cooler Voltage = 1.58 V  
 Bias Voltage = 80 V  
 Chopper Freq = 557 Hz

### PUMP INFO

Flow Rate = 6.465 L/M

### DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0518	0.0569
MIN (V)	0.0508	0.0557

### FILTER INFO

Filter	Value	Zero
Filter 1	0.058	true
Filter 2	0.410	true
Filter 3	1.357	true

### CALIBRATION CHECK

Xq = 0.092 1.76%

**Routine Performance Check Passed**

## Accuracy and Precision Check

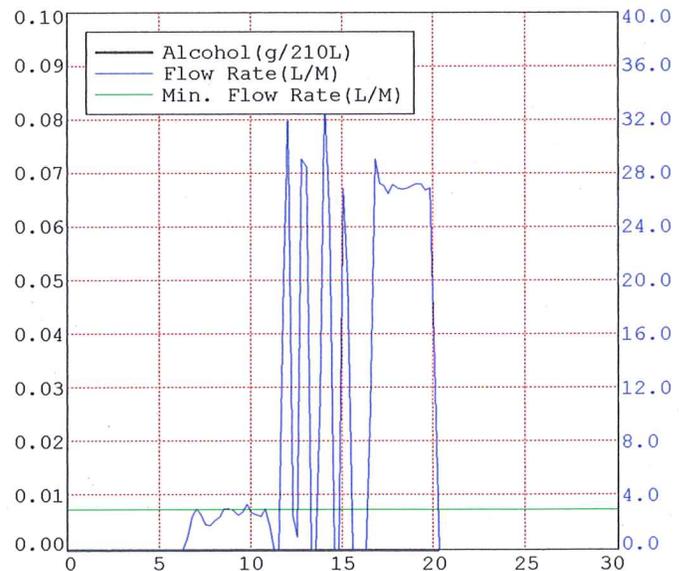
Concentration	= 0.101 g/210L
Lot #	= 22-12-100
Range	= 0.096 - 0.106
Average	= 0.099 g/210L
Std Dev	= 0.0005

## RF Detection Test

Passed  
 RF detected

## Sample Acceptance Test

Passed



Performed by [Signature]

Date 07/08/2022

Reviewed by [Signature]

Date 7/11/2022

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RPC Date: 07/08/2022  
Supervisor Name: JEFFERY DUKETTE

## Diagnostic Results

VERSIONS  
DMT: 2.06  
PIC: 3.07  
Modem: 2.6  
Questions: 2.1

## TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 43.6°C  
Digital Sim = 34.0°C

## SETTINGS

Lamp Voltage = 1.57 V  
Cooler Voltage = 1.58 V  
Bias Voltage = 80 V  
Chopper Freq = 560 Hz

## PUMP INFO

Flow Rate = 6.383 L/M

## DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0555	0.0594
MIN (V)	0.0541	0.0583

## FILTER INFO

Filter	Value	Zero
Filter 1	0.065	true
Filter 2	0.419	true
Filter 3	1.365	true

## CALIBRATION CHECK

Xq = 0.093 1.21%

## Accuracy and Precision Check

Concentration  
Lot #  
Range  
Average  
Std Dev  
Blank Error

*Opened DMT to check interior.  
Kink in tubing made it difficult  
to purge. Replaced tubing and RPC  
passed JD 7/8/22*

## Routine Performance Check Failed

Reason: ACCURACY AND PRECISION CHECK FAILED

Performed by \_\_\_\_\_

*JD*

Date \_\_\_\_\_

07/08/2022

Reviewed by \_\_\_\_\_

Date \_\_\_\_\_

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RPC Date: 07/08/2022  
Supervisor Name: JEFFERY DUKETTE

## Diagnostic Results

VERSIONS  
DMT: 2.06  
PIC: 3.07  
Modem: 2.6  
Questions: 2.1

## TEMPERATURES

Sample Chamber = 48.7°C  
Breath Tube = 44.9°C  
Digital Sim = 34.0°C

## SETTINGS

Lamp Voltage = 1.57 V  
Cooler Voltage = 1.58 V  
Bias Voltage = 80 V  
Chopper Freq = 560 Hz

## PUMP INFO

Flow Rate = 6.369 L/M

## DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0488	0.0524
MIN(V)	0.0474	0.0514

## FILTER INFO

Filter	Value	Zero
Filter 1	0.056	true
Filter 2	0.410	true
Filter 3	1.354	true

## CALIBRATION CHECK

Xq = 0.092 1.58%

## Accuracy and Precision Check

Concentration  
Lot #  
Range  
Average  
Std Dev  
Blank Error

*Reattempted RPC JSD 7/8/22*

### Routine Performance Check Failed

Reason: ACCURACY AND PRECISION CHECK FAILED

Performed by \_\_\_\_\_

*[Signature]* JSD

Date \_\_\_\_\_

07/08/2022

Reviewed by \_\_\_\_\_

Date \_\_\_\_\_