

ANNUAL PREVENTATIVE MAINTENANCE



DataMaster DMT: 100158
 Location: NORTHFIELD PD
 Calibration Date: 03/15/2017
 Certification Date: 03/15/2017
 Installation Date: 03/16/2017
 APM Date: 07/14/2020
 Performed by: JEFFERY DUKETTE

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.9°C
 Breath Tube = 45.1°C
 Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.78 V
 Cooler Voltage = 1.81 V
 Bias Voltage = 80 V
 Chopper Freq = 553 Hz

PUMP INFO

Flow Rate = 4.950 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.4921	0.4955
MIN (V)	0.4892	0.4929

FILTER INFO

Filter 1	0.495	Zero = true
Filter 2	0.771	Zero = true
Filter 3	1.687	Zero = true

CALIBRATION CHECK

Xq = 0.093 2.60%

APM PASSED

Simulator Vapor Test

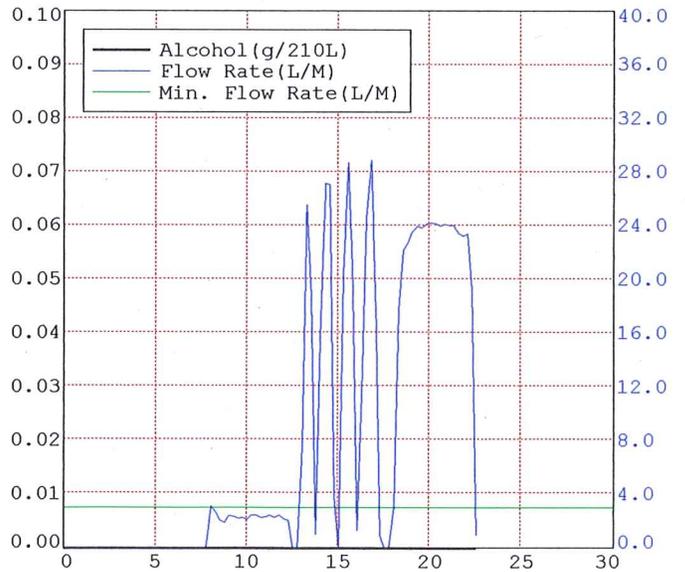
Concentration = 0.101 g/210L
 Lot # = 20-04-100
 Range = 0.096 - 0.106
 Simulator Vapor = 0.098 g/210L

RF Detection Test

Passed
 RF detected

Sample Acceptance Test

Passed



Performed by

[Signature]

Date

07/14/2020

Reviewed by

[Signature]

Date

7/14/2020

[Handwritten initials]

[Handwritten signature and date: 7/16/20]

[Handwritten text: page 1 of 3]

Simulator Temperature Check

Simulator Serial Number:

MP3455

DMT Serial Number / Simulator Location:

100158 / Northfield PD

NIST Traceable Thermometer Serial Number:

192420790

As Found

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator	34.08	33.99	0.09	Y

* $\pm 0.10^{\circ}\text{C}$ agreement between thermometer and simulator

* $34.0 \pm 0.2^{\circ}\text{C}$ acceptable range

Was temperature adjustment performed?

Y / N

As Left (if applicable)

Item	Thermometer Temperature	Simulator Temperature	Difference	Within Tolerance?*
Guth 12V500 Simulator				

Notes:

Check Performed By:

[Signature]

Date:

7/14/2020

Reviewed by:

[Signature]

Date:

7/14/2020

[Signature]

2
 JSD 7/14/2020
 page 1 of 2

ANNUAL PREVENTATIVE MAINTENANCE

DataMaster DMT: 100158
Location: NORTHFIELD PD
Calibration Date: 03/15/2017
Certification Date: 03/15/2017
Installation Date: 03/16/2017
APM Date: 07/14/2020
Performed by: JEFFERY DUKETTE



Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.5°C
Breath Tube = 46.0°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.78 V
Cooler Voltage = 1.81 V
Bias Voltage = 80 V
Chopper Freq = 553 Hz

PUMP INFO

Flow Rate = 4.928 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.4911	0.4939
MIN (V)	0.4874	0.4911

FILTER INFO

Filter 1	0.494	Zero = true
Filter 2	0.770	Zero = true
Filter 3	1.689	Zero = true

CALIBRATION CHECK

Xq = 0.094 3.08%

Simulator Vapor Test

Concentration
Lot #
Range
Simulator Vapor
CALIBRATION CHECK ERROR

APM FAILED

Performed by



Date

07/14/2020

Reviewed by

Date



3