

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100157
Location: Colchester PD
Calibration Date: 02/07/2012
Certification Date: 02/08/2012
Installation Date: 09/12/2012
RPC Date: 02/09/2016
Supervisor Name: CHRISTOPHER M JONES

Diagnostic Results

VERSIONS

DMT: 2.00
PIC: 2.05
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 45.9°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.67 V
Bias Voltage = 80 V
Chopper Freq = 556 Hz

PUMP INFO

Flow Rate = 4.500 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1081	0.1114
MIN(V)	0.1067	0.1094

FILTER INFO

Filter	Value	Zero
Filter 1	0.110	true
Filter 2	0.405	true
Filter 3	1.490	true

CALIBRATION CHECK

Xq = 0.094 0.74%

Routine Performance Check Passed

Accuracy and Precision Check

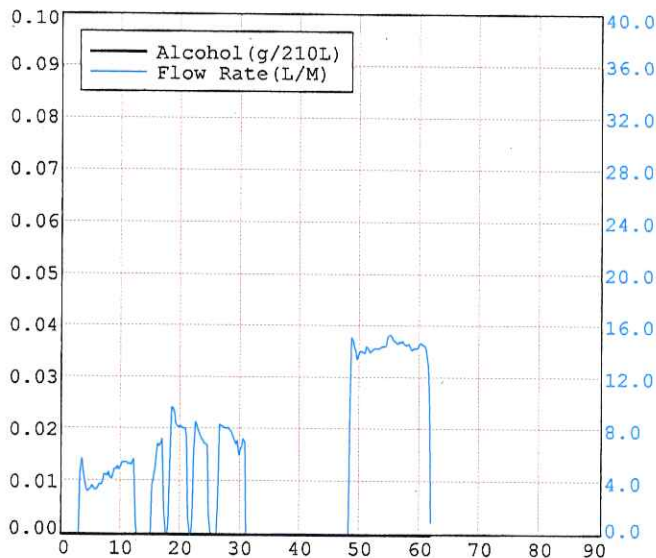
Concentration	= 0.097 g/210L
Lot #	= 15-23-100
Range	= 0.092 - 0.102
Average	= 0.093 g/210L
Std Dev	= 0.0019

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by

Chris Jones

Date

02/09/2016

Reviewed by

[Signature]

Date

2/11/16

DMT Serial Number #100157

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VERSIONS
DMT: 2.00
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Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 45.6°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.67 V
Bias Voltage = 80 V
Chopper Freq = 556 Hz

PUMP INFO

Flow Rate = 4.417 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1030	0.1067
MIN(V)	0.1018	0.1049

FILTER INFO

Filter 1	0.106	Zero = true
Filter 2	0.400	Zero = true
Filter 3	1.485	Zero = true

CALIBRATION CHECK

Xq = 0.094 0.74%

Routine Performance Check Failed

Accuracy and Precision Check

Concentration = 0.097 g/210L
Lot # = 15-23-100
Range = 0.092 - 0.102
Average = 0.087 g/210L
Std Dev = 0.0008
Average out of range

*DMT supervisor checked
simulator connections and reran
RPC protocol RCD 2/11/16*

Performed by

Chris Jones

Date

02/09/2016

Reviewed by

Date



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100157
Location: Colchester PD

Date: 02/10/2016
Time: 15:27:58

SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: 15-23-100
SOLUTION CONCENTRATION: 0.097

BLANK TEST	0.000	15:28
CALIBRATION CHECK	PASSED	15:28
SIMULATOR VAPOR 34.0°C	0.097	15:29
SIMULATOR VAPOR 34.1°C	0.097	15:30
SIMULATOR VAPOR 34.0°C	0.097	15:31
SIMULATOR VAPOR 34.0°C	0.097	15:32
SIMULATOR VAPOR 34.0°C	0.097	15:33
SIMULATOR VAPOR 34.0°C	0.097	15:34
SIMULATOR VAPOR 34.0°C	0.098	15:35
SIMULATOR VAPOR 34.0°C	0.097	15:37
SIMULATOR VAPOR 34.0°C	0.098	15:38
SIMULATOR VAPOR 34.0°C	0.098	15:39
BLANK TEST	0.000	15:40

Average = 0.097
Std Dev = 0.0004

Std. Dev. during passing RPC was within specifications, but higher than normal. Found a leak in the jar so tightened and ran a A.P. RD 2/10/16

