



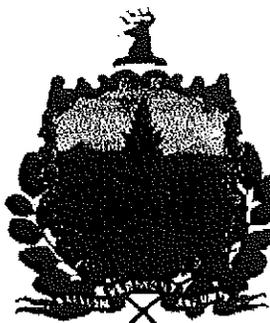
VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: <u>Springfield PD</u>	DataMaster Serial #: <u>100144</u>
Date: <u>10/23/2012</u>	Requestor: <u>Anthony Leonard</u>
Instrument Supervisor: <u>Anthony Leonard</u>	Phone #: <u>(802) 885-2113</u>
Taken By: <u>Trisha Conti</u>	
Problem: <u>Detector voltage fluctuation prior to RFI test during RPC</u>	
Laboratory Response: <u>Advised to keep instrument temporarily out of service until we could investigate on site.</u>	
Work Performed: <u>Viewed Tech screen to monitor detector voltage. Voltage was stable so started RPC Protocol. When prompted to perform radio frequency detection test, the detector voltage is displayed on the screen. The voltage takes a few seconds to stabilize; once stable dispatch was advised to key the console in order to check for a shift in voltage. The voltage remained stable, so the remainder of the RPC was completed without issue. Likely the DMT supervisor believed voltage movement while stabilizing warranted the failed RF detection test. However, the test fails when the voltage shifts more than .003 V while keying the console. DMT back in service.</u>	
<input checked="" type="checkbox"/> On Site <input type="checkbox"/> In-house	Attachments: <u>2</u> pages
Performed By: <u>Robert Driseoll, RD</u>	Date: <u>10/23/12</u>
Final Review: <u>[Signature]</u>	Date: <u>11/7/2012</u>

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100144
Location: Springfield PD
Calibration Date: 07/02/2012
Certification Date: 07/02/2012
Installation Date: 07/03/2012
RPC Date: 10/20/2012
Supervisor Name: ANTHONY W LEONARD

Diagnostic Results

VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 48.1°C
Digital Sim = 34.2°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.61 V
Bias Voltage = 80 V
Chopper Freq = 536 Hz

PUMP INFO

Flow Rate = 5.439 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0386	0.0411
MIN(V)	0.0374	0.0394

FILTER INFO

Filter 1	0.040	Zero = true
Filter 2	0.677	Zero = true
Filter 3	1.572	Zero = true

CALIBRATION CHECK

Xq = 0.081 1.09%

Accuracy and Precision Check

Concentration	= 0.098 g/210L
Lot #	= 12-73-100
Range	= 0.093 - 0.103
Average	= 0.101 g/210L
Std Dev	= 0.0000

RF Detection Test

Passed

Sample Acceptance Test

Routine Performance Check Failed

Performed by

Anthony W. Leonard

Date

10/20/2012

Reviewed by

Date

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100144
Location: Springfield PD
Calibration Date: 07/02/2012
Certification Date: 07/02/2012
Installation Date: 07/03/2012
RPC Date: 10/23/2012
Supervisor Name: ROBERT DRISCOLL *TEC*

Diagnostic Results

VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 48.1°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.63 V
Cooler Voltage = 1.61 V
Bias Voltage = 80 V
Chopper Freq = 536 Hz

PUMP INFO

Flow Rate = 5.435 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.0417	0.0449
MIN (V)	0.0404	0.0429

FILTER INFO

Filter 1	0.043	Zero = true
Filter 2	0.677	Zero = true
Filter 3	1.571	Zero = true

CALIBRATION CHECK

Xq = 0.080 0.33%

Routine Performance Check Passed

Accuracy and Precision Check

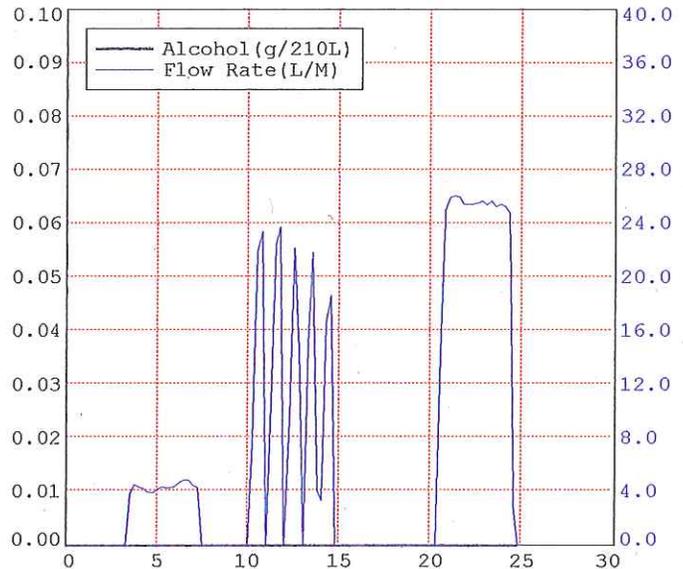
Concentration = 0.098 g/210L
Lot # = 12-73-100
Range = 0.093 - 0.103
Average = 0.100 g/210L
Std Dev = 0.0000

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by *Atb* Date 10/23/2012
Reviewed by *LDG* Date 10/23/2012