



VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: <u>Franklin CSO Richford</u>	DataMaster Serial #: <u>300386</u>
Date: <u>6/24/2014</u>	Requestor: <u>Jay Sweeny</u>
Instrument Supervisor: <u>Jay Sweeny</u>	Phone #: <u>(802)524-2121</u>
Taken By: <u>Rob Driscoll</u>	
Problem: <u>Suck back error during June RPC.</u>	
Laboratory Response: <u>DMT technician to troubleshoot on site.</u>	
Work Performed: <u>Tried to gently suck back on breath tube and noticed little resistance. Removed breath tube and found one-way valve not fully closing. Replaced breath tube and completed June RPC.</u>	
<input checked="" type="checkbox"/> On Site <input type="checkbox"/> In-house	Attachments: <u>5</u> pages
Performed By: <u>Rob Driscoll</u> <i>RD</i>	Date: <u>7/2/2014</u>
Final Review: <u><i>[Signature]</i></u>	Date: <u>7/15/2014</u>

Driscoll, Rob

From: Sweeny, Jay
Sent: Tuesday, July 01, 2014 9:30 AM
To: Driscoll, Rob
Subject: RE: FCSO RPC's

If that's the case then lats plan on going up Thursday. Meet there at noon if that works for you. I don't want to take it out of service for the holiday weekend.

Capt Jay H Sweeny
Chief Deputy
Franklin County Sheriffs Office
P.O.Box 367
St. Albans, VT 05478
802 524-2121

From: Driscoll, Rob
Sent: Tuesday, July 01, 2014 7:51 AM
To: Sweeny, Jay
Subject: RE: FCSO RPC's

I am fine with waiting, but the instrument should be put out of service until we take a look at it.

From: Sweeny, Jay
Sent: Tuesday, July 01, 2014 7:51 AM
To: Driscoll, Rob
Subject: RE: FCSO RPC's

If its something that can wait until next week I will have a guy in Richford during the day on Monday, Tuesday and Thursday that can meet you and get you in. If it cant wait my best time would be late morning today or Thursday morning.

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Chief Deputy
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P.O.Box 367
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802 524-2121

From: Driscoll, Rob
Sent: Tuesday, July 01, 2014 7:46 AM
To: Sweeny, Jay
Subject: RE: FCSO RPC's

Jay,

Let me know a day that works and I can meet someone in Richford to look into the "suck back error".

Thanks,
Rob

From: Sweeny, Jay
Sent: Thursday, June 26, 2014 8:23 AM
To: Driscoll, Rob
Subject: RE: FCSO RPC's

I will have no one in Richford today.

Capt Jay H Sweeny
Chief Deputy
Franklin County Sheriffs Office
P.O.Box 367
St. Albans, VT 05478
802.524-2121

From: Driscoll, Rob
Sent: Thursday, June 26, 2014 8:18 AM
To: Sweeny, Jay
Subject: RE: FCSO RPC's

Jay,

Is anyone going up to the Richford Station today? I can come take a look. If not I wouldn't be able to take a look until Tuesday.

Thanks,
Rob

From: Sweeny, Jay
Sent: Thursday, June 26, 2014 8:15 AM
To: Driscoll, Rob
Subject: RE: FCSO RPC's

The Enosburg blip was caused by me sucking hard and then releasing which caused a little release of air into the unit. It was operator error and not the Machine.

The Richford unit however I could suck back with little resistance. I changed mouthpieces and received the same result. May be a problem with the rubber flap.

Capt Jay H Sweeny
Chief Deputy
Franklin County Sheriffs Office
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802.524-2121

From: Driscoll, Rob
Sent: Tuesday, June 24, 2014 7:40 AM

To: Sweeny, Jay
Cc: Conti, Trisha
Subject: RE: FCSO RPC's

Jay,

I noticed a "blip" in the alcohol line in both Richford and Enosburg's RPC. During the "suck back" test you need to **very gently** suck back on the mouth piece. There is a rubber flap built into the breath tube that we are checking the function of. If you suck too hard the instrument will give an error and can sometimes cause the alcohol line to "blip". Can you please perform a "check-in" on both instruments including all 4 breath types so that we have an accepted breath sample for each, as we cannot pass the current RPC's as is. If when you suck back gently you don't feel the air in the breath tube resist, we will have to look further into the issue. If you have any questions feel free to contact me.

Regards,
Rob

Robert Driscoll
Vermont Forensics Laboratory
103 South Main Street
Waterbury, VT 05671
Electronics Technician
Rob.Driscoll@state.vt.us
Desk: (802) 241-5817
Cell: (802) 585-0123

From: Sweeny, Jay
Sent: Monday, June 23, 2014 4:36 PM
To: Driscoll, Rob
Subject: FCSO RPC's

Richford had a suck back error. Changed mouthpieces and had same problem. May want to look at it.

Capt Jay H Sweeny
Chief Deputy
Franklin County Sheriffs Office
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802 524-2121

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 300386
 Location: Franklin County SO Richford
 Calibration Date: 05/29/2013
 Certification Date: 05/29/2013
 Installation Date: 07/02/2013
 RPC Date: 06/23/2014
 Supervisor Name: JAY H SWEENY

Diagnostic Results

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

TEMPERATURES

Sample Chamber = 48.9°C
 Breath Tube = 46.0°C
 Digital Sim = 33.9°C

SETTINGS

Lamp Voltage = 1.62 V
 Cooler Voltage = 1.66 V
 Bias Voltage = 80 V
 Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 5.149 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0246	-0.0213
MIN (V)	-0.0260	-0.0238

FILTER INFO

Filter 1	-0.023	Zero = true
Filter 2	0.671	Zero = true
Filter 3	0.087	Zero = true

CALIBRATION CHECK

Xq = 0.083 0.94%

Routine Performance Check Passed

Accuracy and Precision Check

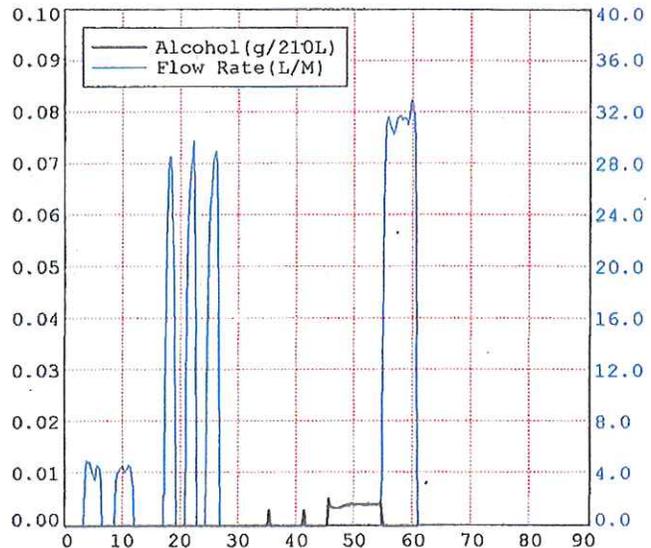
Concentration	= 0.099 g/210L
Lot #	= 14-04-100
Range	= 0.094 - 0.104
Average	= 0.098 g/210L
Std Dev	= 0.0000

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by

Jay H Sweeny

Date

06/23/2014

Reviewed by

Date

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 300386
Location: Franklin County SO Richford
Calibration Date: 05/29/2013
Certification Date: 05/29/2013
Installation Date: 07/02/2013
RPC Date: 07/03/2014
Supervisor Name: ROBERT DRISCOLL

Diagnostic Results

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 46.0°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.62 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 535 Hz

PUMP INFO

Flow Rate = 4.772 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	-0.0209	-0.0177
MIN (V)	-0.0222	-0.0197

FILTER INFO

Filter 1	-0.020	Zero = true
Filter 2	0.676	Zero = true
Filter 3	0.089	Zero = true

CALIBRATION CHECK

Xq = 0.083 0.63%

Routine Performance Check Passed

Accuracy and Precision Check

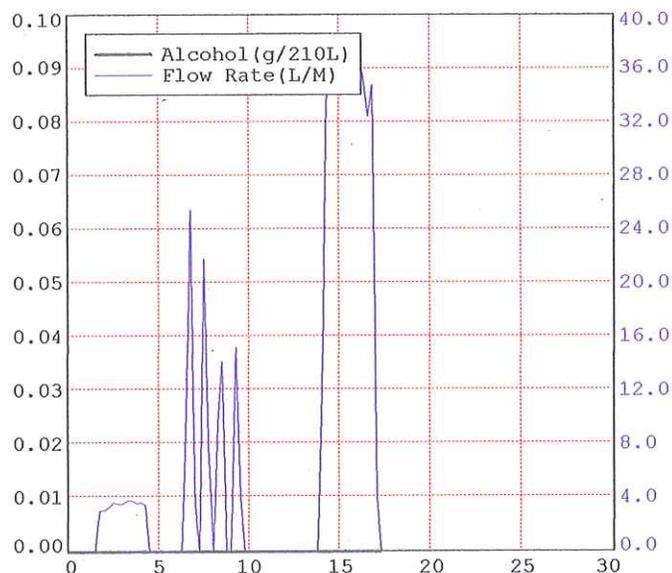
Concentration = 0.099 g/210L
Lot # = 14-04-100
Range = 0.094 - 0.104
Average = 0.097 g/210L
Std Dev = 0.0000

RF Detection Test

Passed

Sample Acceptance Test

Passed



Performed by AB RCP

Date 07/03/2014

Reviewed by [Signature]

Date 7/15/2014