



VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Shelburne PD DataMaster Serial #: 100133

Date: 10/30/2012 Requestor: Trisha Conti

Instrument Supervisor: Peter King Phone #: (802) 985-8051

Taken By: R. Driscoll

Problem: Upon further review of October 2012 RPC and TSI dated 10092012, it was determined that the flow rate of the instrument was running close to or above the upper limit of 6.5 L/M.

Laboratory Response: Will install an adjustable flow rate valve on site.

Work Performed: Installed adjustable flow rate valve and set the volume to 1.5 L. Ran a diagnostic check; flow rate within specifications at 5.771 L/M.

On Site In-house

Attachments: 1 page

Performed By: R. Driscoll *RED*

Date: 10/30/2012

Final Review: *[Signature]*

Date: 10/31/2012

DIAGNOSTIC RESULT



DataMaster DMT: 100133
Location: Shelburne PD
Calibration Date: 11/18/2011
Certification Date: 11/18/2011
Installation Date: 12/22/2011
Test Date: 10/30/2012
Test Time: 09:57:46

VERSIONS

DMT: 1.01
PIC: 2.06
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 49.1°C
Breath Tube = 43.7°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.64 V
Cooler Voltage = 1.59 V
Bias Voltage = 81 V
Chopper Freq = 529 Hz

PUMP INFO

Flow Rate = 5.771 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.2695	0.2726
MIN (V)	0.2679	0.2715

FILTER INFO

Filter 1	0.272	Zero = true
Filter 2	0.633	Zero = true
Filter 3	1.183	Zero = true

CALIBRATION CHECK

Xq = 0.086 1.00%