Vermont Department of Health Laboratory
195 Colchester Avenue, P.O. Box 1125, Burlington VT 05402-1125
DataMaster Technical Services (ph) 802-863-7641; (fax) 802-863-7632

DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Derby VSP **DataMaster Serial #:** 100138

Date: 01/19/2012 Requestor: Kerry Skochin

Instrument Supervisor: _____ Phone #: _____

Taken By: Harnois

Problem: Low Simulator Vapor Recovery

Laboratory Response: Will be at your site 1/23/2012, Please do RPC, 1/20/2012.

Work Performed: 1/ 23/2012 - Arrived to find a completed RPC on 1/20/2012, found that the simulator temperature was 0.2 deg C low, Adjusted to 34.0Deg C. Witnessed by Kerry Skochin. A NIST traceable thermometer s/n 101489856 was used. Checked to ensure that the simulator is not leaking, simulator appears to not be leaking. A diagnostic check and an accuracy and precision check were run, both passed. Instrument is back in service. SH

☒ On Site ☐ In-house Attachments: 2 pages

Performed By: Steven Harnois 1/24/12 Date: 1/23/2012

Final Review: Kirk L. Kimball 1-24-12 Date: 1/24/12

Reviewed 1/24/12

DIAGNOSTIC RESULT

DataMaster DMT: 100138
Location: Derby VSP
Calibration Date: 10/07/2011
Certification Date: 10/11/2011
Installation Date: 10/25/2011
Test Date: 01/23/2012
Test Time: 10:50:45

VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.2
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 48.1°C
Digital Sim = 34.0°C

SETTINGS
Lamp Voltage = 1.68 V
Cooler Voltage = 1.72 V
Bias Voltage = 80 V
Chopper Freq = 548 Hz

PUMP INFO
Flow Rate = 5.582 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0628	0.0665
MIN(V)	0.0618	0.0652

FILTER INFO
Filter 1 0.065 Zero = true
Filter 2 0.228 Zero = true
Filter 3 0.625 Zero = true

CALIBRATION CHECK
Xq = 0.091 0.29%

ACCURACY & PRECISION REPORT

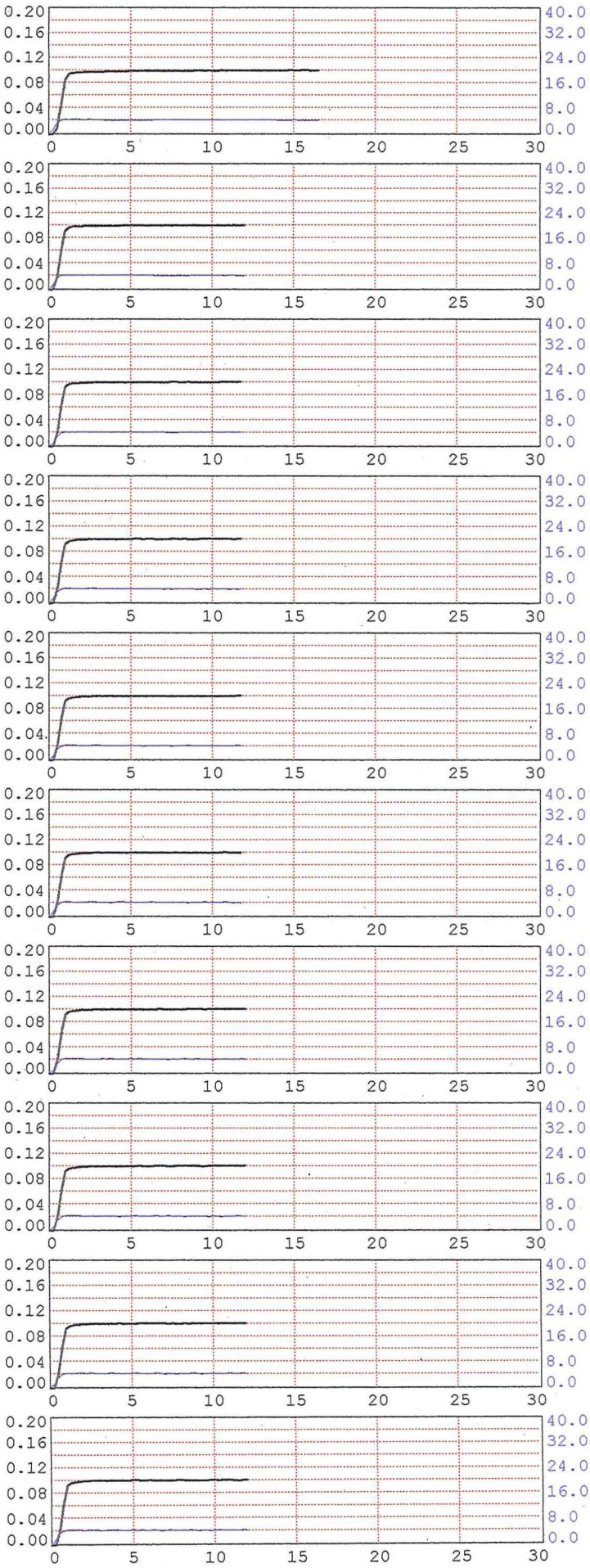
STATE OF VERMONT

DataMater DMT: 100138
Location: Derby VSP

Date: 01/23/2012
Time: 10:53:47

SUPERVISOR NAME:
STEVEN E HARNOIS

SOLUTION LOT #: 12-45-100
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	10:54
CALIBRATION CHECK	PASSED	10:54
SIMULATOR VAPOR 34.1°C	0.101	10:55
SIMULATOR VAPOR 34.1°C	0.101	10:56
SIMULATOR VAPOR 34.1°C	0.101	10:57
SIMULATOR VAPOR 34.0°C	0.101	10:58
SIMULATOR VAPOR 33.9°C	0.101	10:59
SIMULATOR VAPOR 34.0°C	0.101	11:00
SIMULATOR VAPOR 34.0°C	0.101	11:01
SIMULATOR VAPOR 34.0°C	0.101	11:02
SIMULATOR VAPOR 34.0°C	0.101	11:03
SIMULATOR VAPOR 34.0°C	0.101	11:04
BLANK TEST	0.000	11:05

Average = 0.101
Std Dev = 0.000