



Vermont Department of Health Laboratory

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Newport PD DataMaster Serial #: 100151

Date: 01 /19 /2012 Requestor: Charles Moluton

Instrument Supervisor: _____ Phone #: _____

Taken By: Harnois

Problem: Low Simulator Vapor Recovery, Printer not operating sometimes.

Laboratory Response: Will be at your site 1/23/2012, Please do RPC If you can find some solution, 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 Officer Marcoux. A NIST traceable thermometer s/n 101489856 was used. Checked to ensure that the simulator is not leaking, simulator appears to not be leaking. Ran a diagnostic check and a Accuracy and precision check, both passed. Found that room was slightly cold, asked Newport to adjust room temperature to 65 deg F. Printer intermittent operation appears to be when generator is tested, will send UPS as directed by KLK. Instrument is back in service. SH

☒ On Site ☐ In-house

Attachments: 2 pages

Performed By: Steven Harnois

Date: 1/23/2012

Final Review: Kirk L. Kimball

Date: 1/24/12

DIAGNOSTIC RESULT

DataMaster DMT:100151
Location: Newport PD
Calibration Date: 10/07/2011
Certification Date:10/12/2011
Installation Date: 10/25/2011
Test Date: 01/23/2012
Test Time: 12:45:36



VERSIONS

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

TEMPERATURES

Sample Chamber = 49.0°C
Breath Tube = 40.3°C
Digital Sim = 34.1°C

SETTINGS

Lamp Voltage = 1.68 V
Cooler Voltage = 1.69 V
Bias Voltage = 80 V
Chopper Freq = 540 Hz

PUMP INFO

Flow Rate = 5.813 L/M

DETECTOR INFO

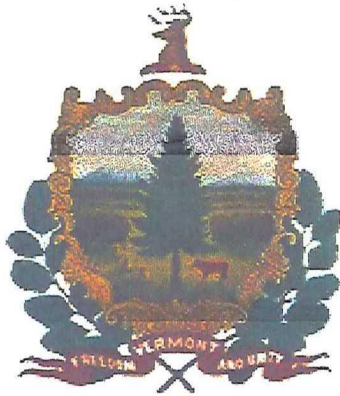
PUMP	ON	OFF
MAX(V)	0.0187	0.0248
MIN(V)	0.0173	0.0232

FILTER INFO

Filter 1	0.024	Zero = true
Filter 2	0.359	Zero = true
Filter 3	1.099	Zero = true

CALIBRATION CHECK

Xq = 0.084 0.41%



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100151
Location: Newport PD

Date: 01/23/2012
Time: 12:59:49

SUPERVISOR NAME:
STEVEN E HARNOIS

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

BLANK TEST	0.000	13:00
CALIBRATION CHECK	PASSED	13:00
SIMULATOR VAPOR 34.0°C	0.097	13:01
SIMULATOR VAPOR 34.0°C	0.098	13:02
SIMULATOR VAPOR 34.0°C	0.098	13:03
SIMULATOR VAPOR 34.0°C	0.098	13:04
SIMULATOR VAPOR 34.0°C	0.099	13:05
SIMULATOR VAPOR 34.0°C	0.098	13:06
SIMULATOR VAPOR 34.1°C	0.099	13:07
SIMULATOR VAPOR 34.0°C	0.098	13:08
SIMULATOR VAPOR 34.0°C	0.099	13:10
SIMULATOR VAPOR 34.0°C	0.099	13:11
BLANK TEST	0.000	13:12

Average = 0.098
Std Dev = 0.000

