VERMONT FORENSIC LABORATORY

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Orange County Sherriff's Office **DataMaster Serial #:** 102906

Date: 12/3/2013 Requestor: Michael Welch

Instrument Supervisor: Michael Welch Phone #: (802) 685-4875

Taken By: Robert Driscoll

Problem: Simulator solution deleting rapidly.

Laboratory Response: Robert Driscoll to troubleshoot on site.

Work Performed: Performed an Accuracy and Precision check; simulator solution was out of range at 0.093g/210L. Leak checked the simulator and found a small leak. Repaired leaking simulator hose and replaced the simulator solution. Measured simulator temperature with NIST traceable thermometer (S/N: 111814517) to be 34.1 degrees C. New solution was within the acceptable range. Will continue to monitor simulator solution use.

☒ On Site ☐ In-house Attachments: 5 pages

Performed By: Robert Driscoll RD Date: 12/5/2013
Final Review: [signature] Date: 12/9/2013

SOLUTION CHANGE

DataMaster DMT: 102906
Location: Orange SO
Date: 11/08/2013
Performed by: DAVID S EGGUM

Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 13-16-100
Range	= 0.094 - 0.104
Average	= 0.094 g/210L
Std Dev	= 0.0000

Simulator Temperature: 34°C

Performed by _____ Date 12/05/2013

CHECK-IN CONFIRMATION TEST

STATE OF VERMONT

DataMater DMT: 102906
Location: Orange SO
Certification Date: 10/22/2013
Installation Date: 10/23/2013

Date: 11/29/2013
Time: 14:09:52

SUBJECT NAME:
TEST TEST
DOB: 05/06/1958 AGE: 55
GENDER: M

TEST OPERATOR NAME:
DAVID S EGGUM
AGENCY: orange county sheriff dept

BLANK TEST	0.000	14:10
CALIBRATION CHECK	PASSED	14:10
SIMULATOR VAPOR 34.0°C	0.092	14:11

Simulator Out of Range

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.099
Sim. Vapor Range 0.094 - 0.104
Lot #: 13-16-100

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 102906
Location: Orange SO

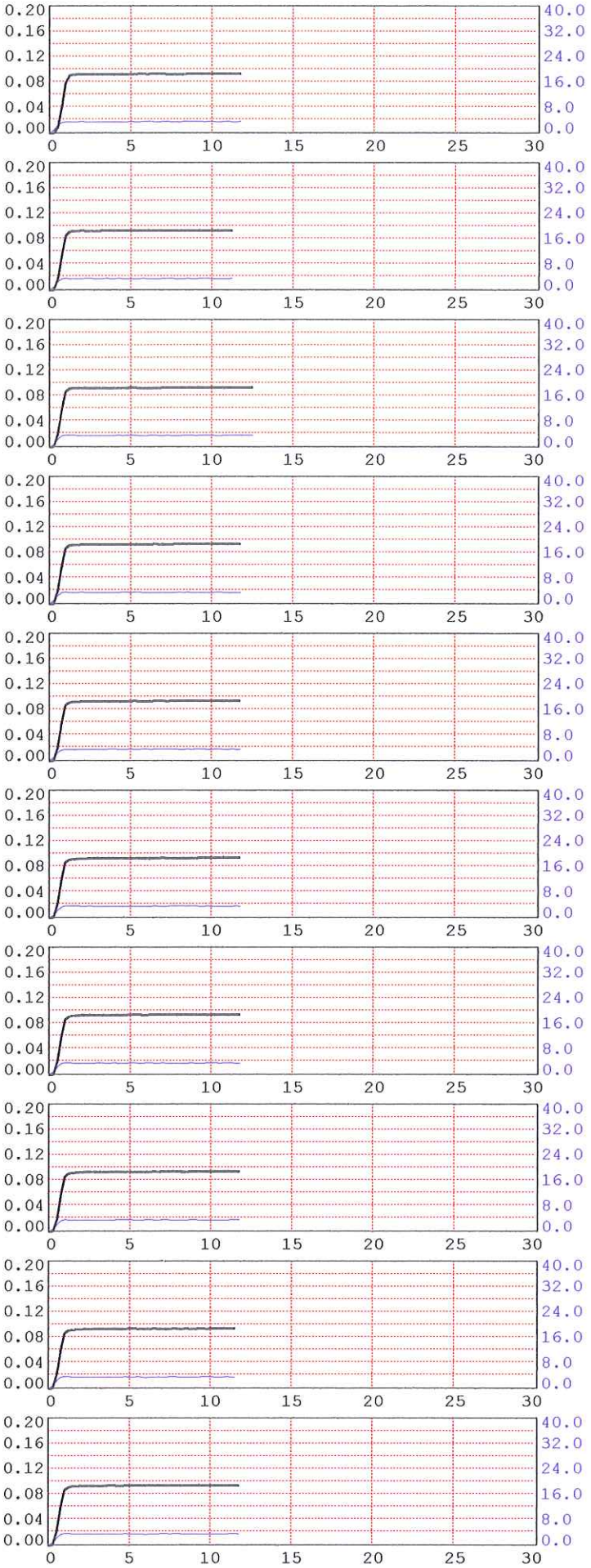
Date: 12/05/2013
Time: 10:46:36

SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: 13-16-100
SOLUTION CONCENTRATION: 0.099

BLANK TEST	0.000	10:47
CALIBRATION CHECK	PASSED	10:47
SIMULATOR VAPOR 33.9°C	0.093	10:47
SIMULATOR VAPOR 34.0°C	0.093	10:48
SIMULATOR VAPOR 33.9°C	0.093	10:50
SIMULATOR VAPOR 34.0°C	0.094	10:51
SIMULATOR VAPOR 34.0°C	0.094	10:52
SIMULATOR VAPOR 34.0°C	0.093	10:53
SIMULATOR VAPOR 34.0°C	0.094	10:54
SIMULATOR VAPOR 33.9°C	0.093	10:55
SIMULATOR VAPOR 33.9°C	0.093	10:56
SIMULATOR VAPOR 33.9°C	0.094	10:57
BLANK TEST	0.000	10:58

Average = 0.093
Std Dev = 0.000



DIAGNOSTIC RESULT

DataMaster DMT: 102906
Location: Orange SO
Calibration Date: 10/22/2013
Certification Date: 10/22/2013
Installation Date: 10/23/2013
Test Date: 12/05/2013
Test Time: 11:20:26

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

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube    = 47.4°C
Digital Sim    = 0.0°C

SETTINGS
Lamp Voltage   = 1.71 V
Cooler Voltage = 1.82 V
Bias Voltage   = 120 V
Chopper Freq   = 539 Hz

PUMP INFO
Flow Rate = 3.850 L/M

DETECTOR INFO
PUMP     ON         OFF
MAX(V)    0.0094     0.0114
MIN(V)    0.0075     0.0096

FILTER INFO
Filter 1   0.011  Zero = true
Filter 2   0.351  Zero = true
Filter 3   1.494  Zero = true

CALIBRATION CHECK
Xq  = 0.136  0.65%
```

SOLUTION CHANGE

DataMaster DMT: 102906
Location: Orange SO
Date: 12/05/2013
Performed by: ROBERT DRISCOLL

Accuracy and Precision Check

Concentration	= 0.099 g/210L
Lot #	= 13-19-100
Range	= 0.094 - 0.104
Average	= 0.097 g/210L
Std Dev	= 0.0000

Simulator Temperature: 34°C

Performed by RCD Date 12/05/2013