**VERMONT FORENSIC LABORATORY**

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# DATAMASTER TECHNICAL SUPPORT INQUIRY

**Agency/Site:** VPA **DataMaster Serial #:** 100167

Date: 12/07/2012 Requestor: R. Driscoll

Instrument Supervisor: _____ Phone #: _____

Taken By: R.Driscoll

Problem: "Simulator Temperature Too High" during Accuracy & Precision

Laboratory Response: Instrument used for training at VPA. Accuracy & Precision performed prior to training. Instrument failed due to "Simulator Temperature Too High". Will troubleshoot in the field.

Work Performed: Simulator temperature reading just over 36 degrees C on DataMaster and with NIST thermometer s/n 111814522. Made a temperature adjustment to the Guth simulator and verified 34 degrees C with NIST thermometer. Re-ran Accuracy & Precision test with acceptable results. Unit ready for training.

☒ On Site ☐ In-house Attachments: 2 pages

Performed By: R. Driscoll RCD Date: 12/07/2012

Final Review: [signature] Date: 12/11/2012

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100167
Location: dps vfl

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Date: 12/07/2012
Time: 09:38:13

SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: 12-80-100
SOLUTION CONCENTRATION: 0.099

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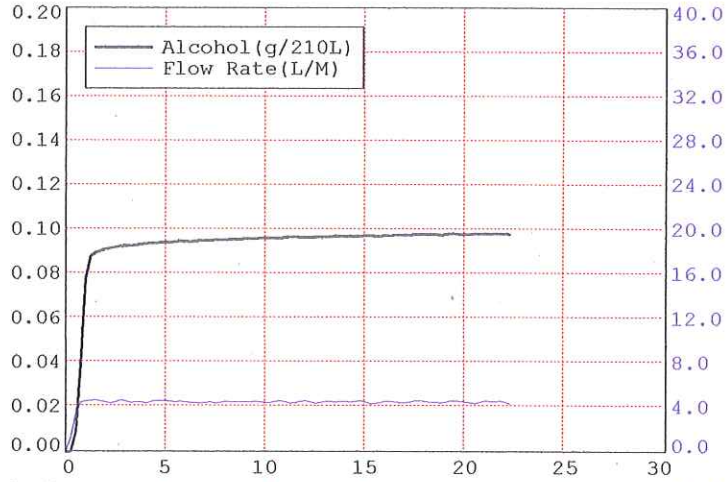
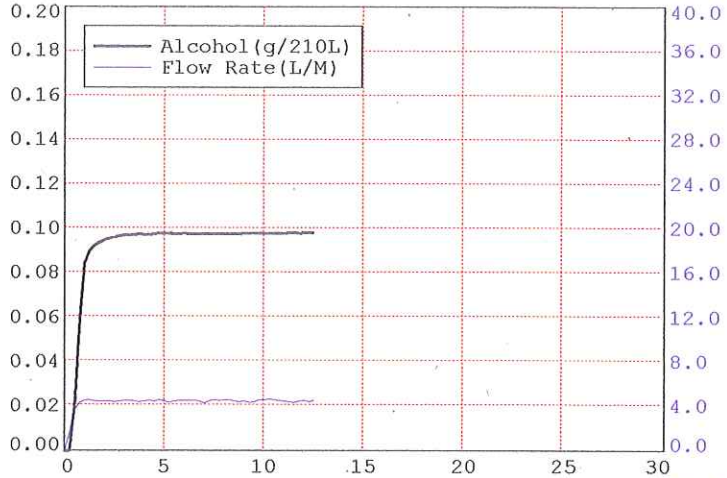
| | | |
|---|---|---|
| BLANK TEST | 0.000 | 09:39 |
| CALIBRATION CHECK | PASSED | 09:39 |
| SIMULATOR VAPOR 34.4°C | 0.098 | 09:39 |
| SIMULATOR VAPOR 34.2°C | 0.099 | 09:40 |
| SIMULATOR VAPOR 34.2°C | 0.100 | 09:41 |
| SIMULATOR VAPOR 34.5°C | 0.100 | 09:42 |

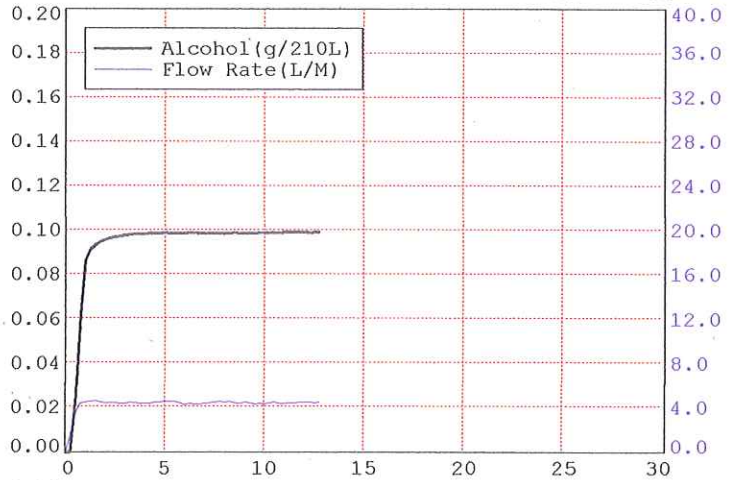
Simulator Temperature Too High

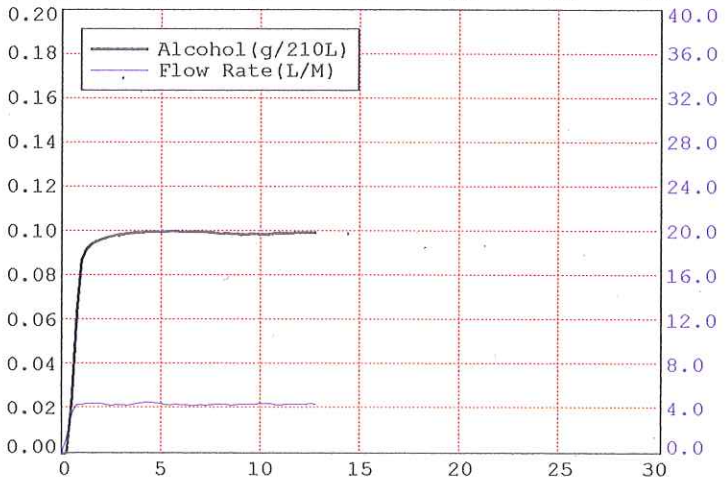
Calibrated simulator temp to 34.0C using NIST Thermometer SN: 111814522

RCO 12/17/12



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100167
Location: dps vfl

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Date: 12/07/2012
Time: 10:00:33

SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: 12-80-100
SOLUTION CONCENTRATION: 0.099

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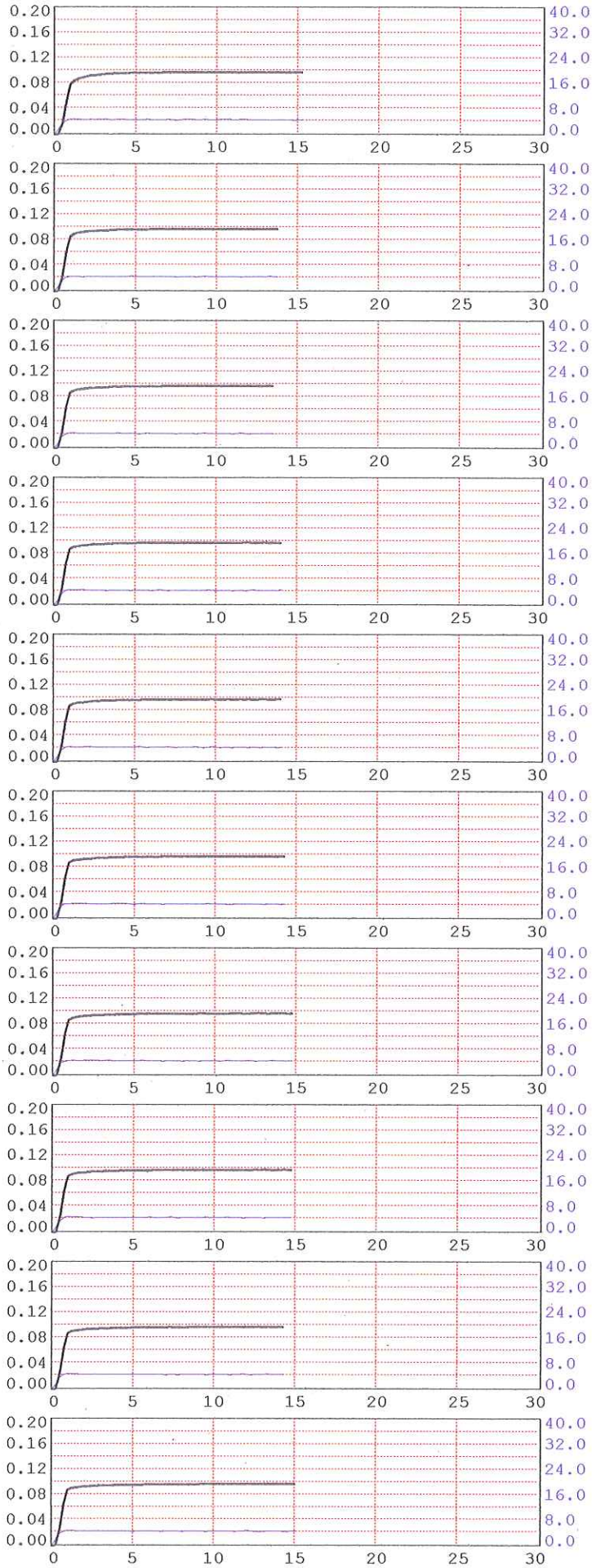
| | | |
|---|---|---|
| BLANK TEST | 0.000 | 10:01 |
| CALIBRATION CHECK | PASSED | 10:01 |
| SIMULATOR VAPOR 34.0°C | 0.098 | 10:01 |
| SIMULATOR VAPOR 33.9°C | 0.097 | 10:03 |
| SIMULATOR VAPOR 33.9°C | 0.097 | 10:04 |
| SIMULATOR VAPOR 34.0°C | 0.098 | 10:05 |
| SIMULATOR VAPOR 34.0°C | 0.098 | 10:06 |
| SIMULATOR VAPOR 34.0°C | 0.098 | 10:07 |
| SIMULATOR VAPOR 33.9°C | 0.097 | 10:08 |
| SIMULATOR VAPOR 33.9°C | 0.098 | 10:09 |
| SIMULATOR VAPOR 33.8°C | 0.097 | 10:10 |
| SIMULATOR VAPOR 33.9°C | 0.097 | 10:11 |
| BLANK TEST | 0.000 | 10:12 |

Average = 0.097
Std Dev = 0.000



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