TABLE OF CONTENTS

Section 1	Results
Section 2	Power Up Tests
Section 3	Linearity Tests
Section 4	Interference Tests
Section 5	Final Calibration Check Tests
Section 6	Error Reports

300386

SECTION 1

RESULTS

National Patent
Analytical Systems, Inc.

Certificate of Calibration

300386
Instrument Serial Number

12220
Standard Reference Number

The above instrument has been calibrated and is hereby certified for use in determining alcohol breath concentration when used in accordance with the operating guidelines by a properly trained operator.

5-8-13
Date

Technician

Packing List

From: National Patent Analytical Systems Inc.
2090 Harrington Mem. Rd., Mansfield, Ohio 44903

Cust No. VT4134T Ord Date 4/8/13
Sales Order No. 47003

Ship Date 5/21/13
Packing List No. 71604

Cust Purch Ord No. 26896

Ship To:
Vermont Department of Public Safety
Forensic Laboratory
103 S. Main St.
Waterbury VT 05671

Bill To:
Vermont Department of Public Safety
Forensic Laboratory
103 S. Main St.
Waterbury VT 05671

6.00
Freight

Attn:

Ship Via FedEx

Comments

Part / Drawing No / Rev No	Quantity Ordered	This Shipment	Back Ordered	Total Ship To Date	Description	NP Invent Ref
35196 / B	2.0	2		2.0	LABEL, DMT SERIAL NUMBER	35196
Serial Nos.						
36347 / .	2.0	2		2.0	CORD, POWER LINE 6' 7" BLACK	36347
Serial Nos.						
No Draw # / NONE	2.0	2		2.0	CABLE ASSY, dmt USB PRINTER 2.0 A-B MALE 2	36521
Serial Nos.						
37401 / .	2.0	2		2.0	KEYBOARD, dmt CHERRY MINI	37401
Serial Nos.						
No Draw # / NONE	2.0	2		2.0	PRINTER, INK JET HP PCL 3, 4 OR 5	39216
Serial Nos.						
No Draw # / NONE	2.0	2		2.0	TUBE ASSY, dmt BREATH 12VDC /W/SENSE/41460	42222
Serial Nos.						
No Draw # / NONE	2.0	2		2.0	PEN, STYLUS TOUCH SCREEN	60015
Serial Nos.						
No Draw # / NONE	2.0	2		2.0	DMT, VERMONT CONFIG	75013
Serial Nos.	300386, 300387					
No Draw # / NONE	2.0	2		2.0	BOX, KIT DMT EXTENDED 26" LONG	Z71700
Serial Nos.						

300386

Datamaster DMT Serial Number 300386

Power Up	CAL Factor	Calibration Check			Simulator Assignment	Certification	0.01% Acet. in 0.08% EtOH	0.04% MeOH in H_2O	0.04% IPA in H_2O	0.01% Acet. in 0.04% EtOH	0.02% Acet. in 0.04% EtOH	0.04% MeOH in 0.08% EtOH	0.04% IPA in 0.08% EtOH
		NIST Temp. °C	Lot. #	Result (g/210L)									
5/29/13 RCD	0.935589 5/29/13 RCD	34.0	OHIO 12220	0.098 5/29/13 RCD	5/29/13 G7551 RCD	5/29/13 RCD	6/18/13 RCD 100%	6/18/13 RCD 100%	6/18/13 RCD 100%	6/24/13 RCD 100%	6/18/13 RCD 100%	6/24/13 RCD 100%	6/18/13 RCD 100%

Linearity Test #1	Linearity Test #2	Linearity Test #3	Linearity Test #4	Linearity Test #5	Data Download	Calibration Check		
						NIST Temp.°C	Lot. #	Result (g/210L)
5/30/13 RCD	6/10/13 RCD	6/13/13 RCD	6/18/13 RCD	CWS 6/24/13	6/25/13 RCD	34.0	OHIO 12220	0.098 6/25/13 RCD

5 of 56 RCD

Notes:

NIST Thermometer S/N 111814522 RCD 6/26/13

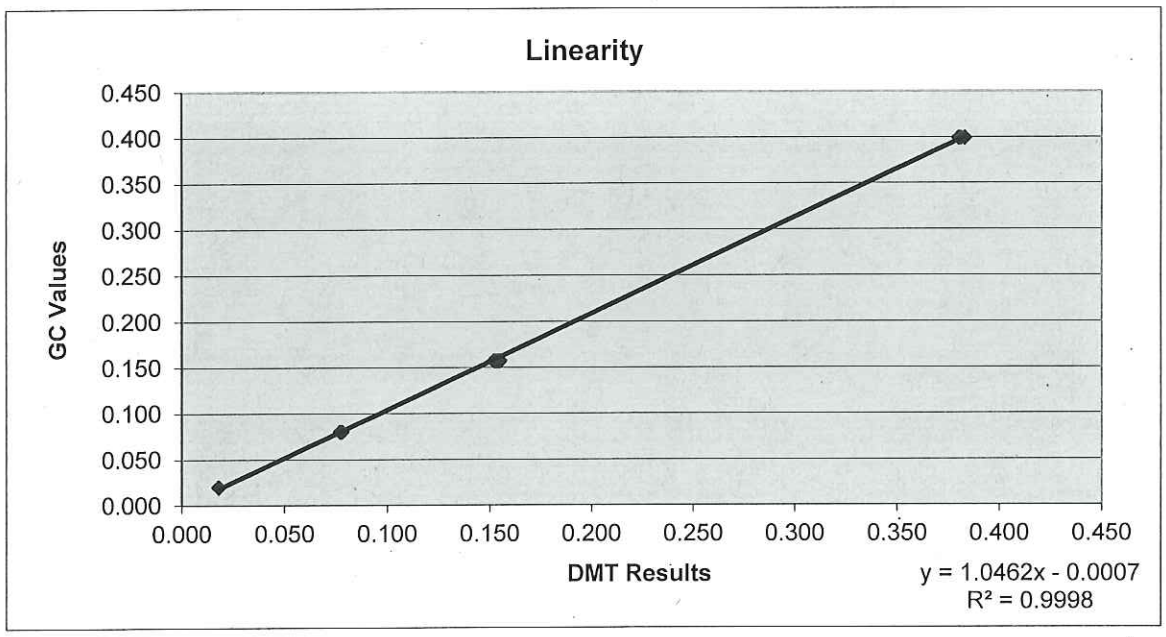
Analyst: _____

Reviewer: 6/25/13

Reviewer: 6/27/2013

DataMaster DMT Serial Number 300386

Operator	Date	GC Value	DMT Average	Std Dev	% Recovery
RCD	5/30/2013	0.020	0.018	0.000	90
		0.080	0.077	0.000	96
		0.157	0.155	0.000	98
		0.399	0.383	0.000	95
RCD	6/10/2013	0.020	0.018	0.000	90
		0.080	0.077	0.000	96
		0.157	0.154	0.000	98
		0.399	0.381	0.001	95
RCD	6/13/2013	0.020	0.018	0.000	90
		0.080	0.078	0.000	97
		0.157	0.153	0.000	97
		0.399	0.381	0.000	95
RCD	6/18/2013	0.020	0.018	0.000	90
		0.080	0.077	0.000	96
		0.157	0.153	0.000	97
		0.399	0.380	0.000	95
ALB	6/24/2013	0.020	0.018	0.000	90
		0.080	0.077	0.000	96
		0.157	0.152	0.001	96
		0.399	0.380	0.000	95
			Average	0.0001	95
			Std Dev	0.0003	2.87
			Range		90 - 98



Log On Record History

Test Date	Test Time	Name
06/21/2013	08:19:03	Amanda Bolduc
06/21/2013	08:45:39	Amanda Bolduc
06/24/2013	13:39:07	Amanda Bolduc

7 of 56 RO

Status Record History

Status Date	Status Time	Test Type	Status Message
05/30/2013	14:55:27	Accuracy & Precision Records	Simulator Timed Out
05/30/2013	15:13:16	Accuracy & Precision Records	Simulator Timed Out
06/13/2013	10:15:13	Accuracy & Precision Records	Simulator Timed Out
06/13/2013	10:35:20	Accuracy & Precision Records	Simulator Timed Out
06/24/2013	14:28:59	Accuracy & Precision Records	Simulator Timed Out

8 of 56 RD

SECTION 2

POWER UP TESTS

CALIBRATION REPORT

DataMaster DMT: 300386
Calibration Date: 05/29/2013
Calibrated by: ROBERT DRISCOLL
Lot: 13-02-100

Ca = 0.098			
CAL = 0.935589	0.800	<= CAL <	1.200
b1 = 0.000	0.000	<= b1 <	0.004
b2 = 0.003	0.002	<= b2 <	0.010
b3 = 0.000	0.000	<= b3 <	0.004
Xq = 0.083	0.050	<= Xq <	0.200
a21 = 1.112188	1.050	<= a21 <	1.300
a31 = 0.549571	0.300	<= a31 <	0.800

Performed by _____ Date 05/29/2013

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/29/2013
Time: 11:34:45

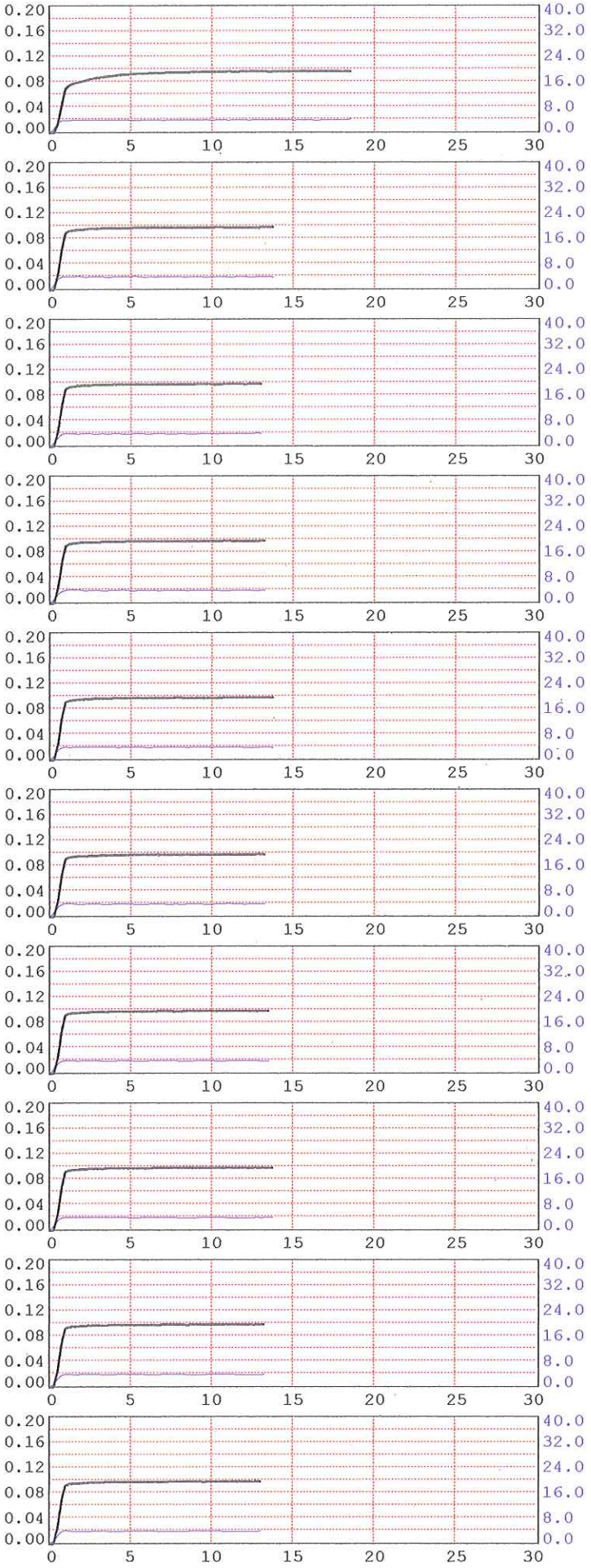
SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: OHIO 12220
SOLUTION CONCENTRATION: 0.101

BLANK TEST	0.000	11:35
CALIBRATION CHECK	PASSED	11:35
SIMULATOR VAPOR 34.0°C	0.097	11:36
SIMULATOR VAPOR 34.0°C	0.098	11:37
SIMULATOR VAPOR 33.9°C	0.098	11:38
SIMULATOR VAPOR 33.9°C	0.098	11:39
SIMULATOR VAPOR 34.0°C	0.099	11:40
SIMULATOR VAPOR 33.9°C	0.098	11:41
SIMULATOR VAPOR 33.9°C	0.098	11:42
SIMULATOR VAPOR 34.0°C	0.099	11:43
SIMULATOR VAPOR 33.9°C	0.098	11:44
SIMULATOR VAPOR 33.9°C	0.099	11:45
BLANK TEST	0.000	11:46

Average = 0.098
Std Dev = 0.000

Second Source Cal. Check.
RCD
5/29/13



CERTIFICATION REPORT

DataMaster DMT: 300386
Calibration Date: 05/29/2013
Certification Date: 05/29/2013
Certified by: ROBERT DRISCOLL

Diagnostic Results

```
VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube    = 44.5°C
Digital Sim    = 33.8°C

SETTINGS
Lamp Voltage   = 1.62 V
Cooler Voltage = 1.66 V
Bias Voltage   = 80 V
Chopper Freq   = 525 Hz

PUMP INFO
Flow Rate = 4.973 L/M

DETECTOR INFO
PUMP     ON         OFF
MAX(V)    0.0579     0.0622
MIN(V)    0.0563     0.0598

FILTER INFO
Filter 1   0.060  Zero = true
Filter 2   0.730  Zero = true
Filter 3   0.148  Zero = true

CALIBRATION CHECK
Xq  = 0.083  0.52%
```

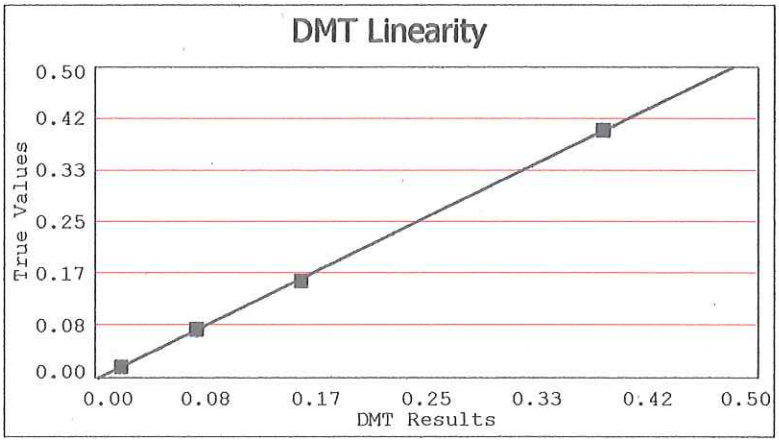
Options

```
OPTIONS
Units
   Alcohol.................. g/210L
Simulator
   Tolerance Check.......... yes
   Standard Type............ wet
   Nominal.................. 0.100
   Digital Simulator........ Guth34CNP
Subject
   Ask Questions............ yes
   Number of Tests.......... 2
   Alcohol Display.......... yes
   Volume Display........... yes
   Query Refusal............ yes
   Copies................... 3
   Simulator Before......... yes
   Simulator Between........ yes
   Simulator After.......... no
   Observation Time......... 0
Supervisor
   Number of Tests.......... 10
Calibration
   Standard Type............ wet
   Nominal.................. 0.100
   Nominal(Dry Gas)......... 0.100
   Number of Tests.......... 1
Printer
   Printer On............... yes
Software Configuration
   Data Collection.......... yes
```

Linearity Check Results

True Value	Reported Average	Std Dev
0.019 g/210L Lot # 12-78-020	0.019 g/210L	0.0000
0.079 g/210L Lot # 12-74-080	0.076 g/210L	0.0000
0.157 g/210L Lot # 12-83-160	0.155 g/210L	0.0000
0.399 g/210L Lot # 12-82-400	0.383 g/210L	0.0000

$R^2 = 0.9998$



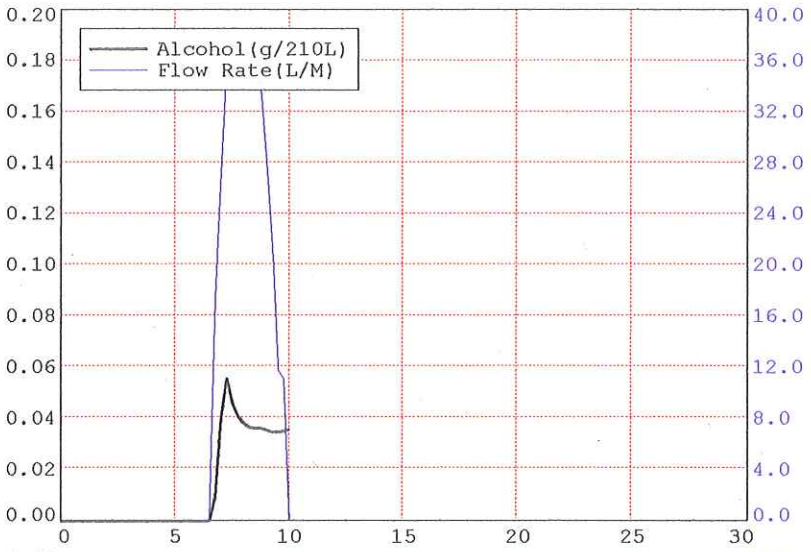
Acetone Interference Test

Lot # 12-85-08A1

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

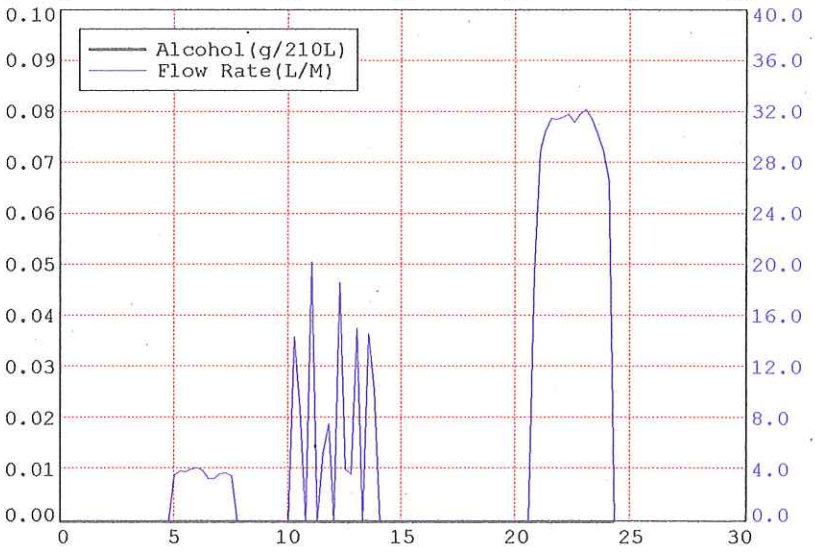


RF Detection Test

Passed

Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by _____ Date 05/29/2013

Reviewed by _____ Date 6/25/13

SECTION 3

LINEARITY TESTS

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/30/2013
Time: 14:05:45

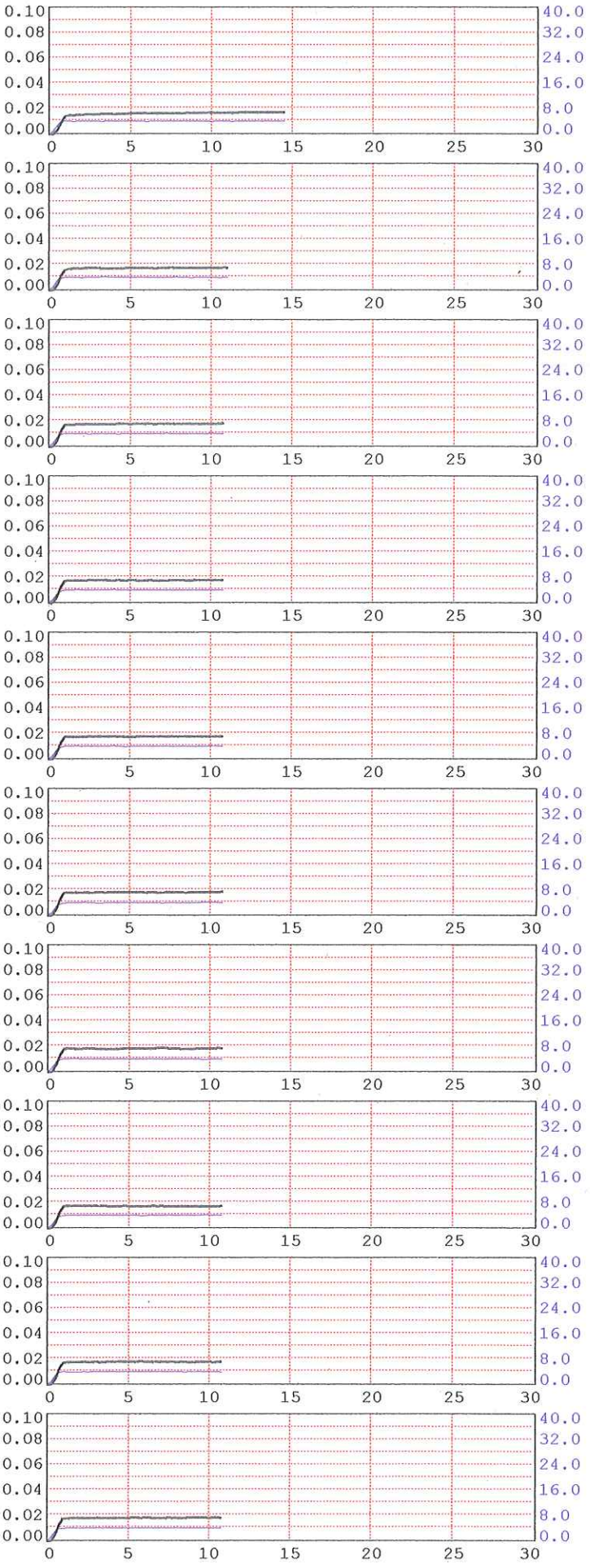
SUPERVISOR NAME:
RCD LINEARITYONE

SOLUTION LOT #: 13-07-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	14:06
CALIBRATION CHECK	PASSED	14:06
SIMULATOR VAPOR 34.0°C	0.018	14:07
SIMULATOR VAPOR 33.9°C	0.019	14:08
SIMULATOR VAPOR 34.0°C	0.019	14:09
SIMULATOR VAPOR 34.0°C	0.019	14:10
SIMULATOR VAPOR 34.0°C	0.019	14:11
SIMULATOR VAPOR 33.9°C	0.020	14:12
SIMULATOR VAPOR 33.9°C	0.019	14:13
SIMULATOR VAPOR 33.9°C	0.018	14:14
SIMULATOR VAPOR 34.0°C	0.018	14:15
SIMULATOR VAPOR 34.0°C	0.019	14:16
BLANK TEST	0.000	14:17

Average = 0.018
Std Dev = 0.000

L1 RCD
5/30/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/30/2013
Time: 14:39:41

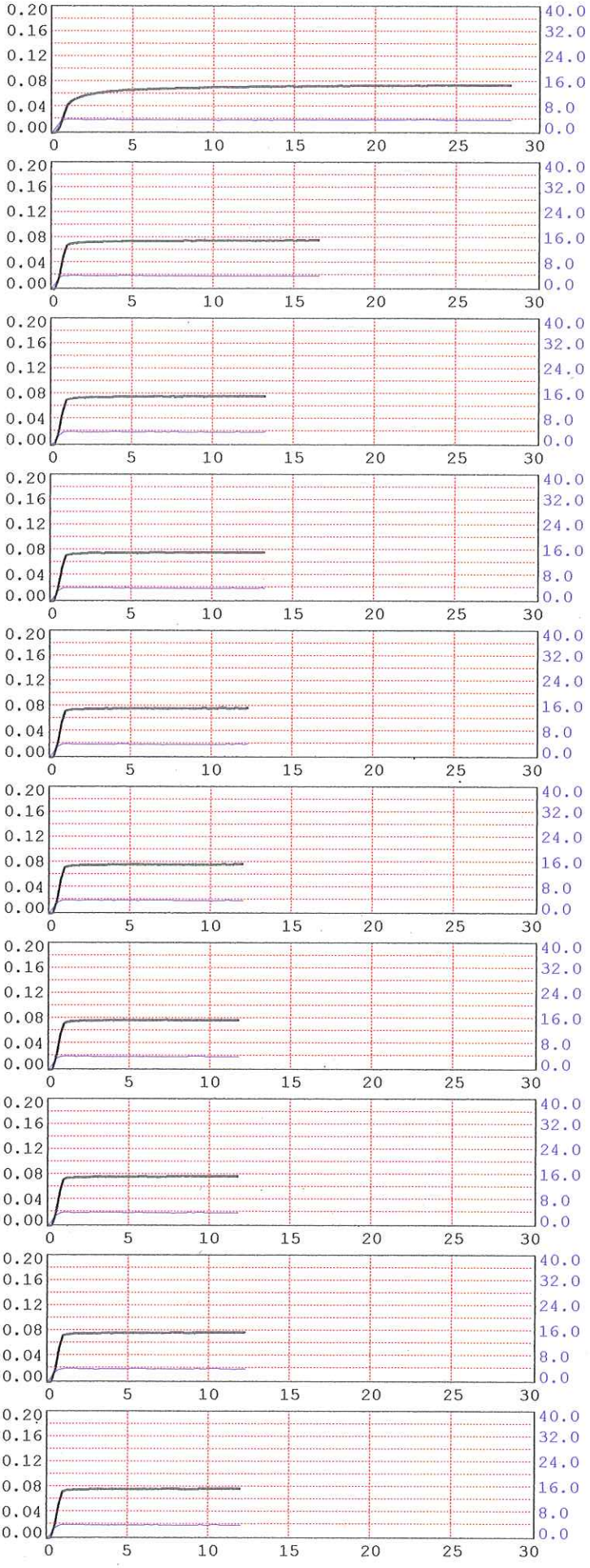
SUPERVISOR NAME:
RCD LINEARITYONE

SOLUTION LOT #: 13-05-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	14:40
CALIBRATION CHECK	PASSED	14:40
SIMULATOR VAPOR 33.9°C	0.076	14:41
SIMULATOR VAPOR 33.9°C	0.077	14:42
SIMULATOR VAPOR 33.9°C	0.078	14:43
SIMULATOR VAPOR 33.9°C	0.078	14:44
SIMULATOR VAPOR 34.0°C	0.078	14:45
SIMULATOR VAPOR 34.0°C	0.078	14:46
SIMULATOR VAPOR 33.9°C	0.078	14:47
SIMULATOR VAPOR 34.0°C	0.078	14:48
SIMULATOR VAPOR 33.9°C	0.078	14:49
SIMULATOR VAPOR 33.9°C	0.078	14:50
BLANK TEST	0.000	14:51

Average = 0.077
Std Dev = 0.000

L1 RCD
5/30/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/30/2013
Time: 14:56:25

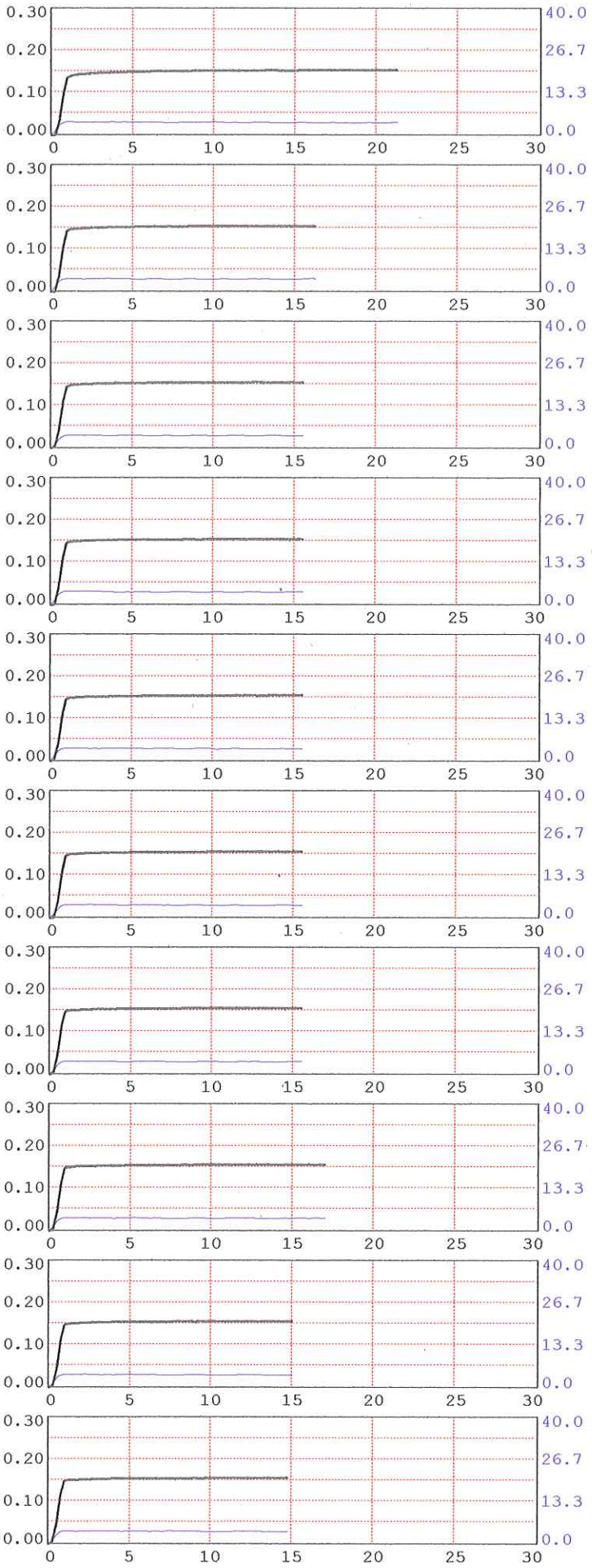
SUPERVISOR NAME:
RCD LINEARITYONE

SOLUTION LOT #: 12-83-160
SOLUTION CONCENTRATION: 0.157

BLANK TEST	0.000	14:57
CALIBRATION CHECK	PASSED	14:57
SIMULATOR VAPOR 33.9°C	0.153	14:57
SIMULATOR VAPOR 33.9°C	0.155	14:59
SIMULATOR VAPOR 34.0°C	0.155	15:00
SIMULATOR VAPOR 33.9°C	0.155	15:01
SIMULATOR VAPOR 34.0°C	0.155	15:02
SIMULATOR VAPOR 34.0°C	0.156	15:03
SIMULATOR VAPOR 33.9°C	0.156	15:04
SIMULATOR VAPOR 34.0°C	0.156	15:05
SIMULATOR VAPOR 33.9°C	0.155	15:06
SIMULATOR VAPOR 34.0°C	0.156	15:07
BLANK TEST	0.000	15:08

Average = 0.155
Std Dev = 0.000

L1 RCD 5/30/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/30/2013
Time: 15:14:10

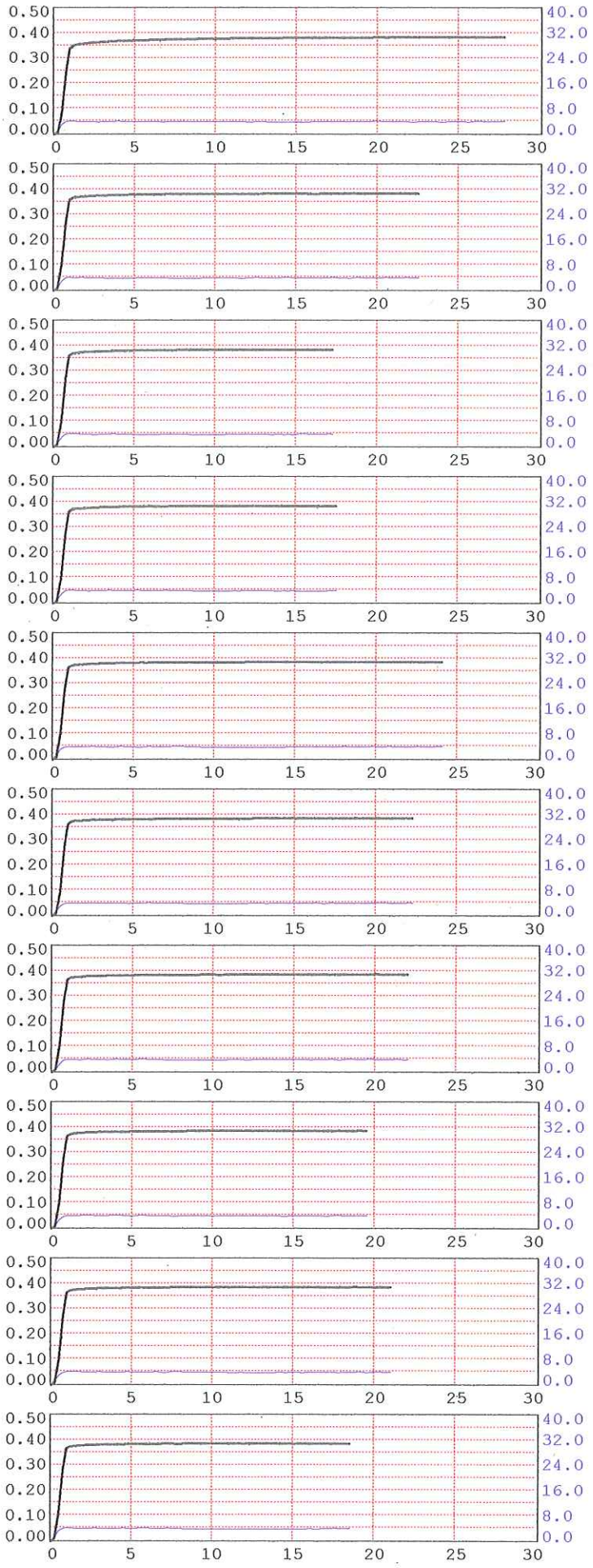
SUPERVISOR NAME:
RCD LINEARITYONE

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	15:15
CALIBRATION CHECK	PASSED	15:15
SIMULATOR VAPOR 34.0°C	0.382	15:15
SIMULATOR VAPOR 33.9°C	0.382	15:16
SIMULATOR VAPOR 33.9°C	0.382	15:18
SIMULATOR VAPOR 33.9°C	0.383	15:19
SIMULATOR VAPOR 34.0°C	0.385	15:20
SIMULATOR VAPOR 34.0°C	0.384	15:21
SIMULATOR VAPOR 33.9°C	0.385	15:23
SIMULATOR VAPOR 34.0°C	0.385	15:24
SIMULATOR VAPOR 33.9°C	0.385	15:25
SIMULATOR VAPOR 33.9°C	0.384	15:26
BLANK TEST	0.000	15:27

Average = 0.383
Std Dev = 0.001

L1 RCD 5/30/13



18 of 56 RCD

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/10/2013
Time: 13:04:45

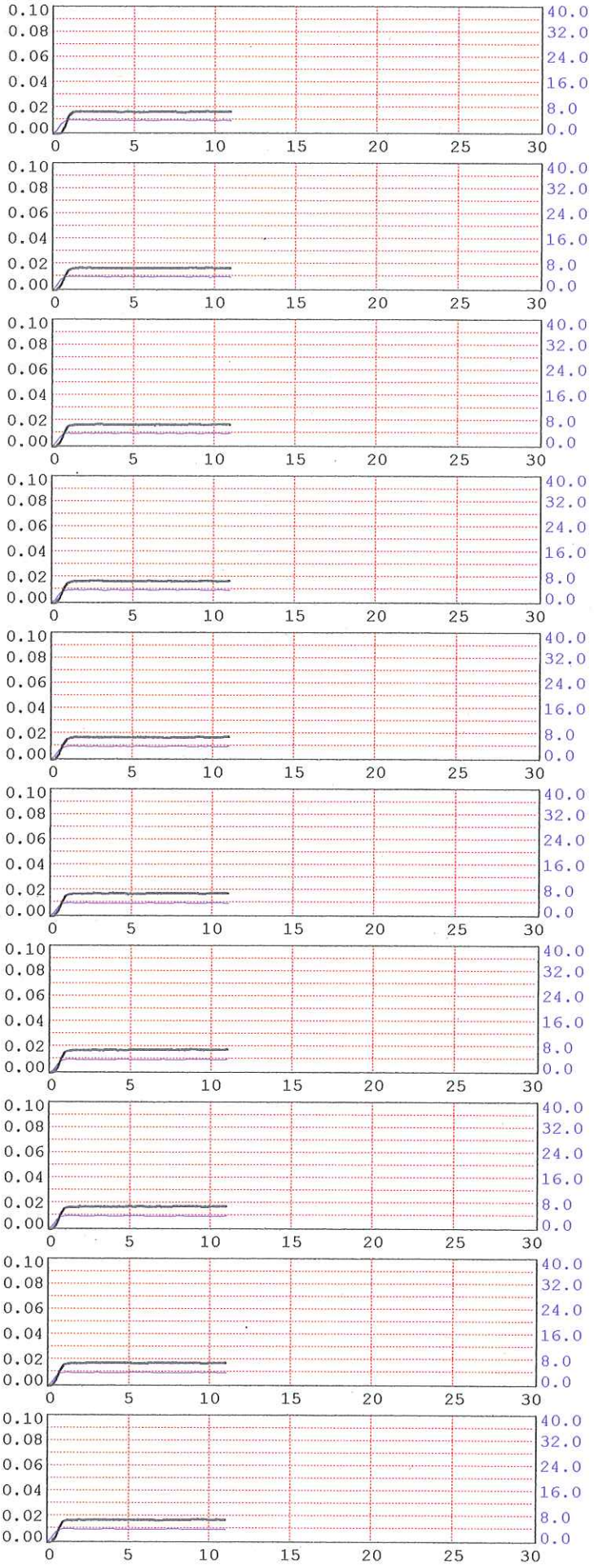
SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: 13-07-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	13:05
CALIBRATION CHECK	PASSED	13:05
SIMULATOR VAPOR 33.9°C	0.018	13:06
SIMULATOR VAPOR 34.0°C	0.018	13:07
SIMULATOR VAPOR 34.0°C	0.019	13:08
SIMULATOR VAPOR 33.9°C	0.019	13:09
SIMULATOR VAPOR 33.9°C	0.019	13:10
SIMULATOR VAPOR 34.0°C	0.019	13:11
SIMULATOR VAPOR 33.9°C	0.019	13:12
SIMULATOR VAPOR 34.0°C	0.019	13:13
SIMULATOR VAPOR 33.9°C	0.019	13:14
SIMULATOR VAPOR 33.9°C	0.019	13:15
BLANK TEST	0.000	13:16

Average = 0.018
Std Dev = 0.000

L2 RCP
6/10/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/10/2013
Time: 13:19:41

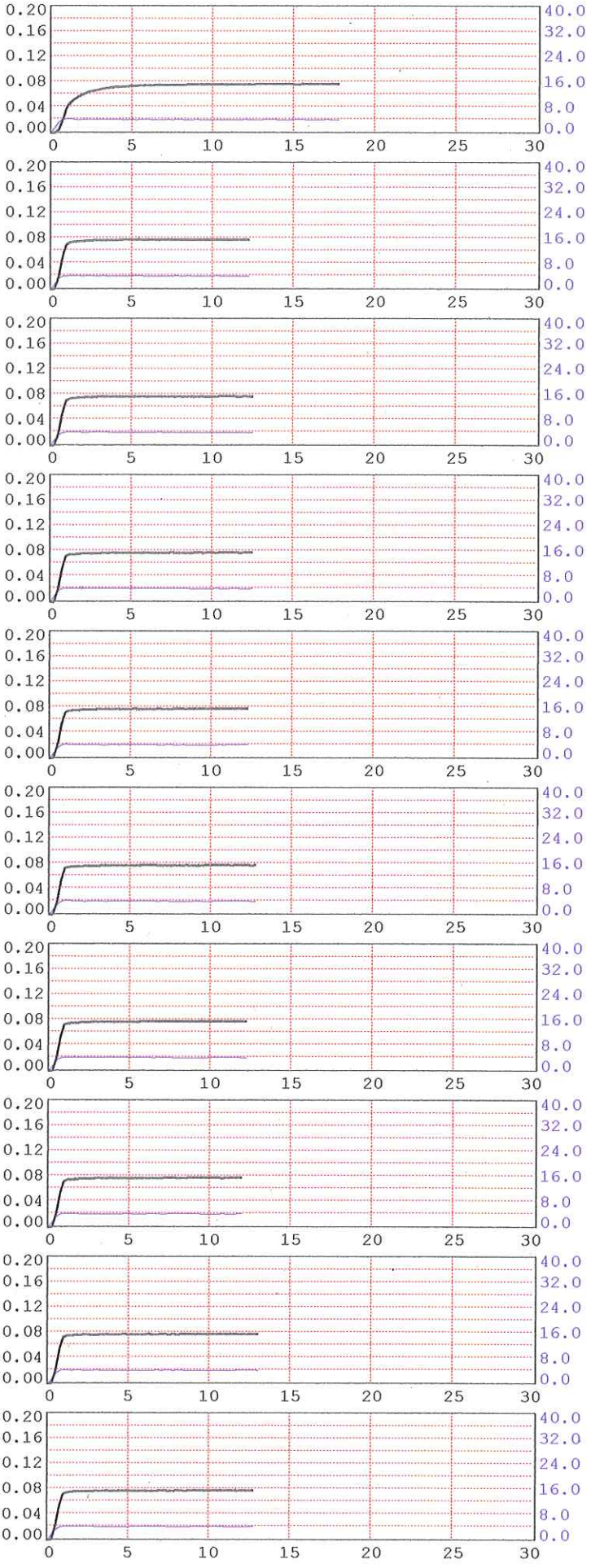
SUPERVISOR NAME:
RCD LINEARITYTWO

SOLUTION LOT #: 13-05-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	13:20
CALIBRATION CHECK	PASSED	13:20
SIMULATOR VAPOR 33.8°C	0.077	13:21
SIMULATOR VAPOR 34.0°C	0.078	13:22
SIMULATOR VAPOR 34.0°C	0.078	13:23
SIMULATOR VAPOR 33.9°C	0.078	13:24
SIMULATOR VAPOR 33.9°C	0.078	13:25
SIMULATOR VAPOR 34.0°C	0.078	13:26
SIMULATOR VAPOR 34.0°C	0.078	13:27
SIMULATOR VAPOR 33.9°C	0.078	13:28
SIMULATOR VAPOR 34.0°C	0.078	13:29
SIMULATOR VAPOR 33.9°C	0.078	13:30
BLANK TEST	0.000	13:31

Average = 0.077
Std Dev = 0.000

L2 RCD 6/10/13



20 OR 56 RCD

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/10/2013
Time: 13:34:30

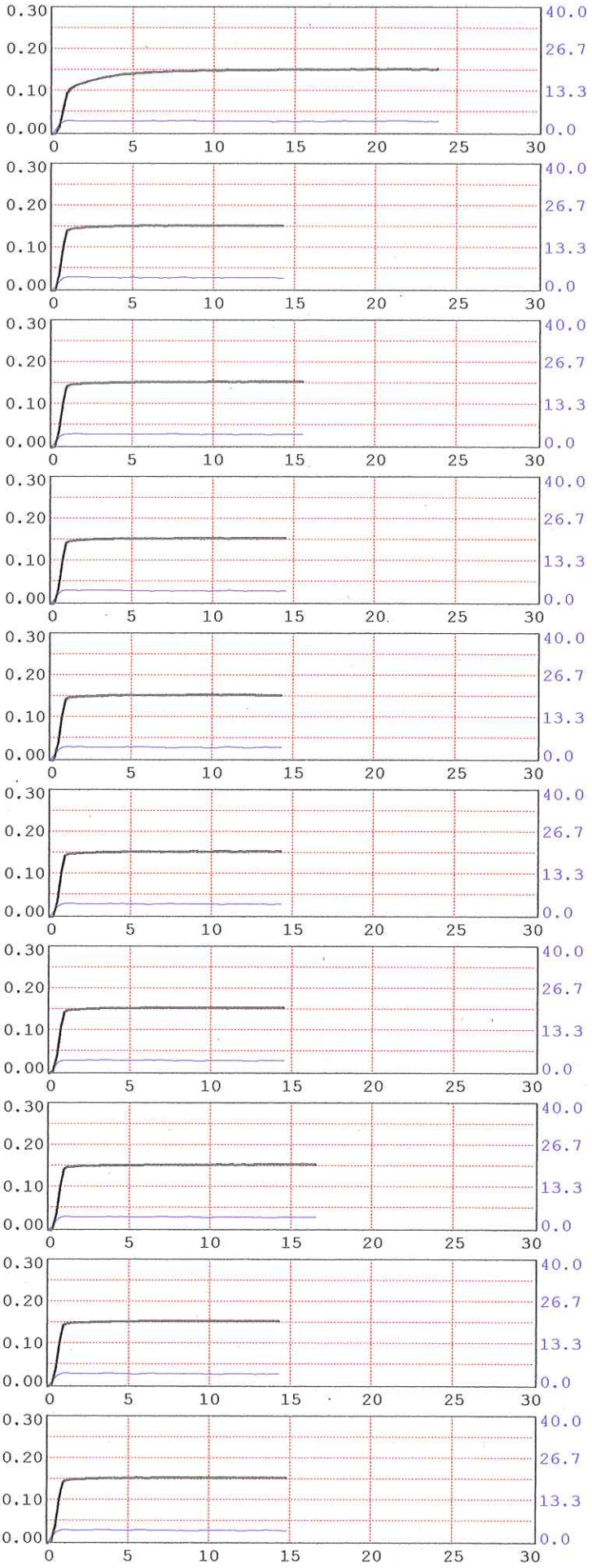
SUPERVISOR NAME:
RCD LINEARITYTWO

SOLUTION LOT #: 12-83-160
SOLUTION CONCENTRATION: 0.157

BLANK TEST	0.000	13:35
CALIBRATION CHECK	PASSED	13:35
SIMULATOR VAPOR 33.9°C	0.153	13:35
SIMULATOR VAPOR 34.0°C	0.153	13:37
SIMULATOR VAPOR 33.9°C	0.154	13:38
SIMULATOR VAPOR 33.9°C	0.155	13:39
SIMULATOR VAPOR 34.0°C	0.154	13:40
SIMULATOR VAPOR 34.0°C	0.154	13:41
SIMULATOR VAPOR 33.9°C	0.155	13:42
SIMULATOR VAPOR 33.9°C	0.154	13:43
SIMULATOR VAPOR 33.9°C	0.154	13:44
SIMULATOR VAPOR 34.0°C	0.155	13:45
BLANK TEST	0.000	13:46

Average = 0.154
Std Dev = 0.000

L2 RCD 6/10/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/10/2013
Time: 13:49:28

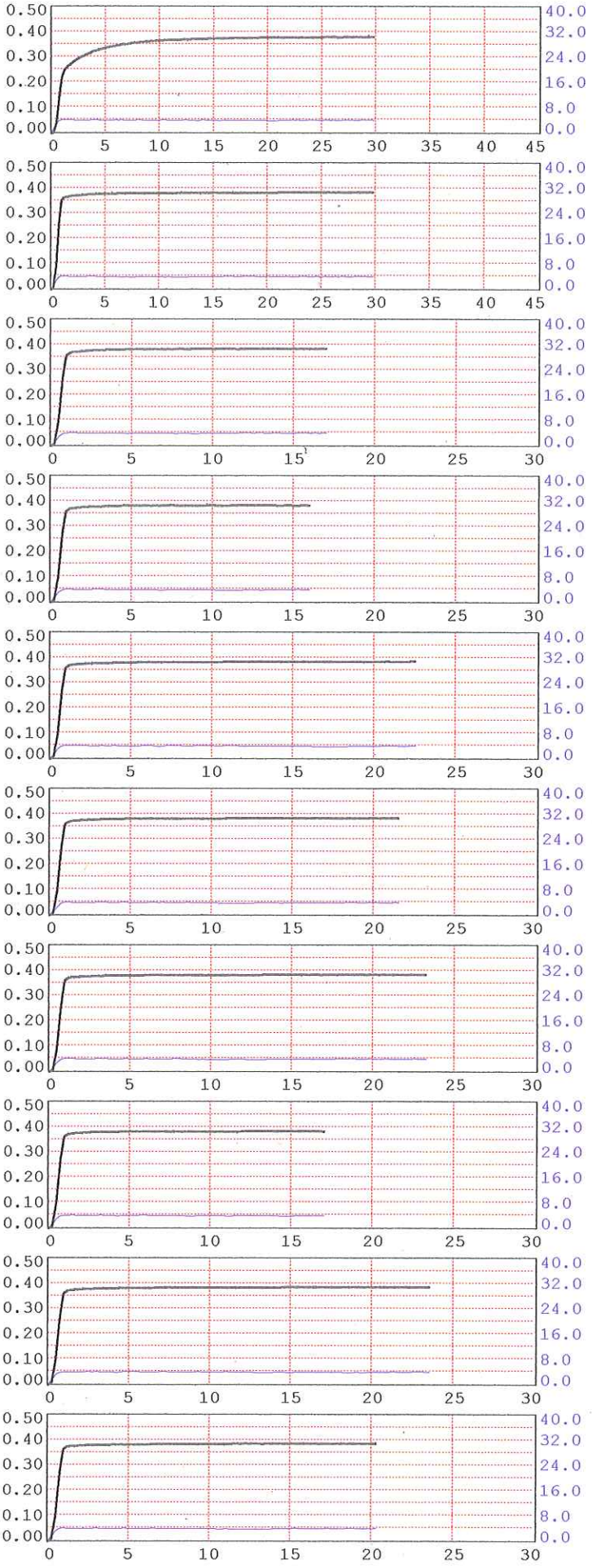
SUPERVISOR NAME:
RCD LINEARITYTWO

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	13:50
CALIBRATION CHECK	PASSED	13:50
SIMULATOR VAPOR 34.0°C	0.378	13:51
SIMULATOR VAPOR 33.9°C	0.382	13:52
SIMULATOR VAPOR 33.9°C	0.382	13:53
SIMULATOR VAPOR 33.9°C	0.380	13:54
SIMULATOR VAPOR 33.9°C	0.383	13:55
SIMULATOR VAPOR 33.9°C	0.383	13:57
SIMULATOR VAPOR 34.0°C	0.382	13:58
SIMULATOR VAPOR 33.9°C	0.381	13:59
SIMULATOR VAPOR 33.9°C	0.384	14:00
SIMULATOR VAPOR 33.9°C	0.384	14:02
BLANK TEST	0.000	14:02

Average = 0.381
Std Dev = 0.001

L2 RCD 6/10/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/13/2013
Time: 09:42:43

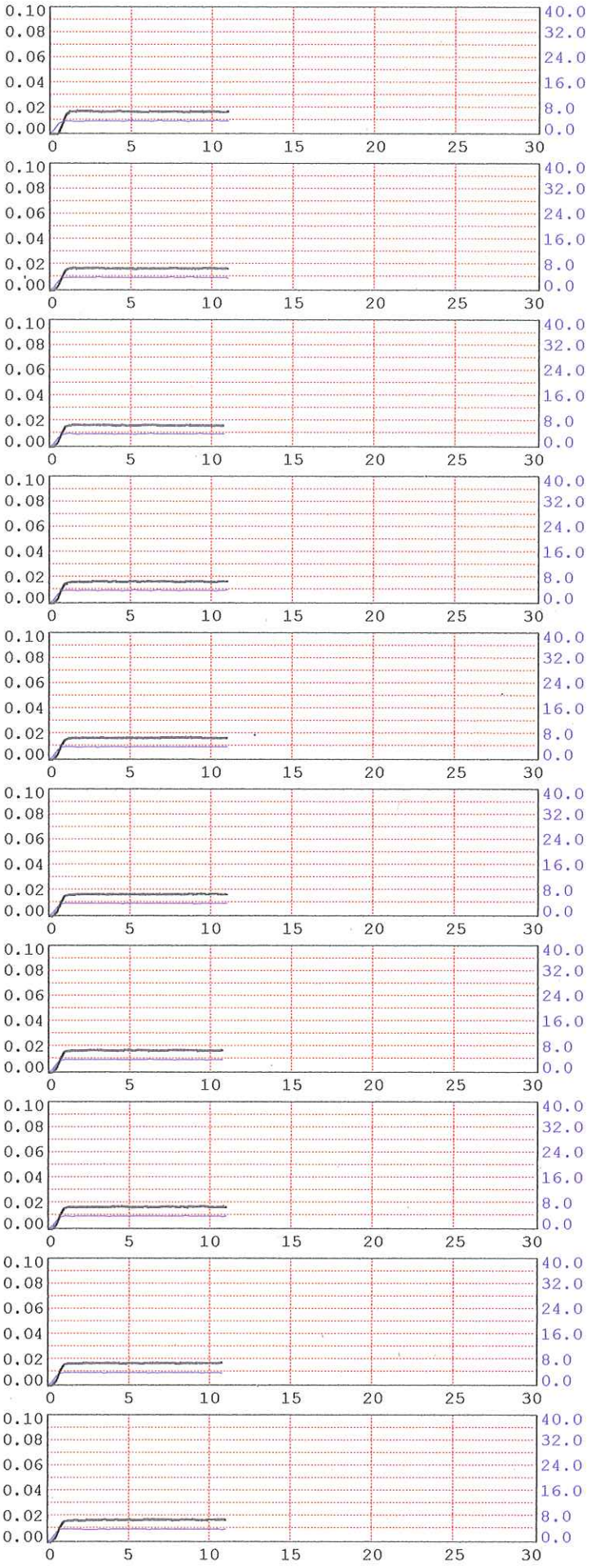
SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: 13-07-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	09:43
CALIBRATION CHECK	PASSED	09:43
SIMULATOR VAPOR 34.0°C	0.019	09:44
SIMULATOR VAPOR 34.0°C	0.018	09:45
SIMULATOR VAPOR 33.9°C	0.018	09:46
SIMULATOR VAPOR 33.9°C	0.018	09:47
SIMULATOR VAPOR 33.9°C	0.019	09:48
SIMULATOR VAPOR 33.9°C	0.018	09:49
SIMULATOR VAPOR 33.8°C	0.019	09:50
SIMULATOR VAPOR 34.0°C	0.018	09:51
SIMULATOR VAPOR 33.9°C	0.019	09:52
SIMULATOR VAPOR 33.9°C	0.019	09:53
BLANK TEST	0.000	09:54

Average = 0.018
Std Dev = 0.000

L3 RCD
6/13/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/13/2013
Time: 09:56:56

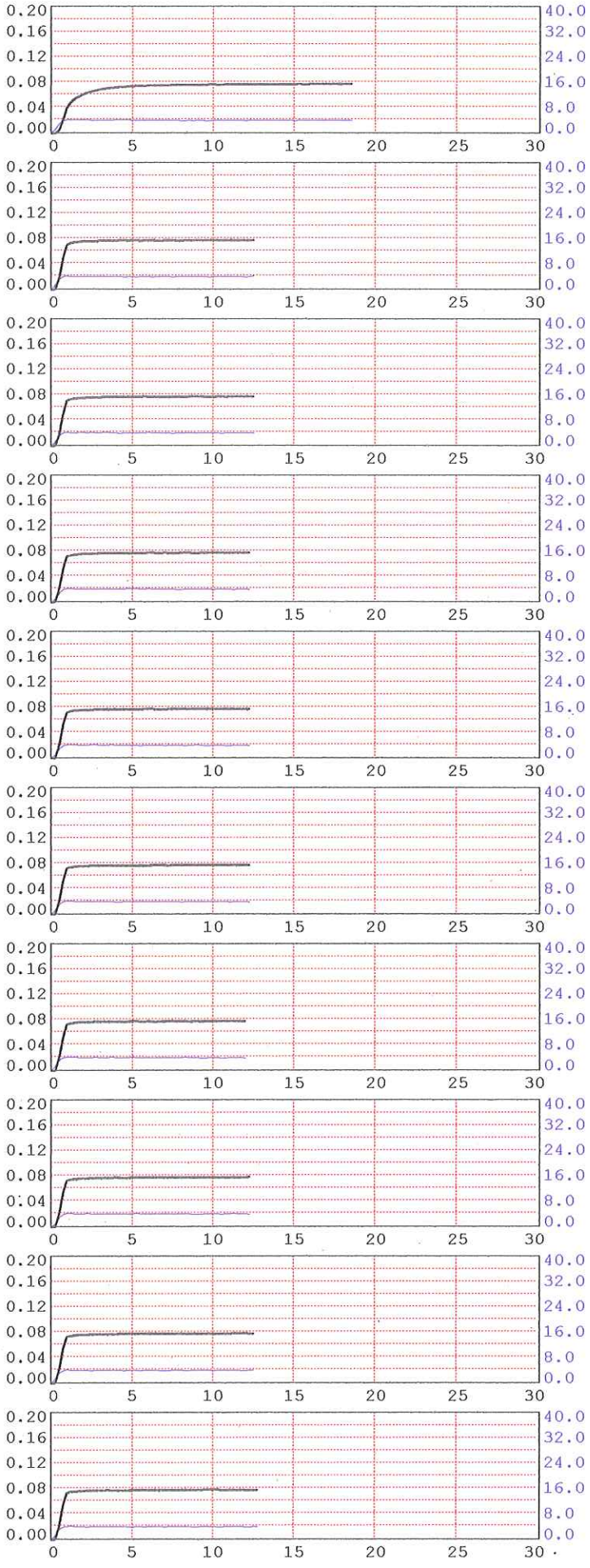
SUPERVISOR NAME:
RCD LINEARITYTHREE

SOLUTION LOT #: 13-05-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	09:57
CALIBRATION CHECK	PASSED	09:57
SIMULATOR VAPOR 33.9°C	0.078	09:58
SIMULATOR VAPOR 33.9°C	0.078	09:59
SIMULATOR VAPOR 33.8°C	0.078	10:00
SIMULATOR VAPOR 33.9°C	0.078	10:01
SIMULATOR VAPOR 33.8°C	0.078	10:02
SIMULATOR VAPOR 34.0°C	0.078	10:03
SIMULATOR VAPOR 34.0°C	0.078	10:04
SIMULATOR VAPOR 33.9°C	0.078	10:05
SIMULATOR VAPOR 33.9°C	0.078	10:06
SIMULATOR VAPOR 33.9°C	0.078	10:07
BLANK TEST	0.000	10:08

Average = 0.078
Std Dev = 0.000

L3 RCD
6/13/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/13/2013
Time: 10:18:56

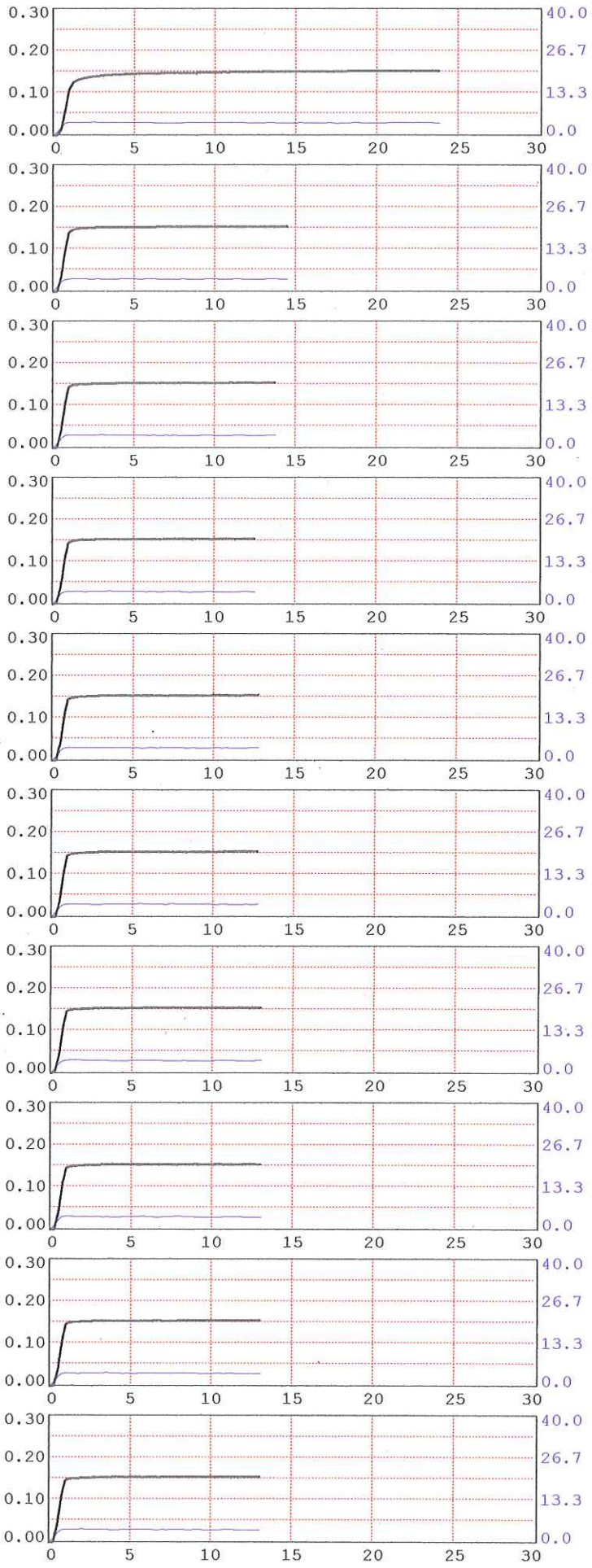
SUPERVISOR NAME:
RCD LINEARITYTHREE

SOLUTION LOT #: 12-83-160
SOLUTION CONCENTRATION: 0.157

BLANK TEST	0.000	10:19
CALIBRATION CHECK	PASSED	10:19
SIMULATOR VAPOR 33.9°C	0.152	10:20
SIMULATOR VAPOR 34.0°C	0.153	10:21
SIMULATOR VAPOR 34.0°C	0.154	10:22
SIMULATOR VAPOR 34.0°C	0.154	10:23
SIMULATOR VAPOR 33.9°C	0.154	10:24
SIMULATOR VAPOR 33.9°C	0.154	10:25
SIMULATOR VAPOR 33.9°C	0.155	10:26
SIMULATOR VAPOR 34.0°C	0.154	10:27
SIMULATOR VAPOR 34.0°C	0.154	10:29
SIMULATOR VAPOR 34.0°C	0.155	10:30
BLANK TEST	0.000	10:30

Average = 0.153
Std Dev = 0.000

L3 6/13/13 RCD



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/13/2013
Time: 10:38:49

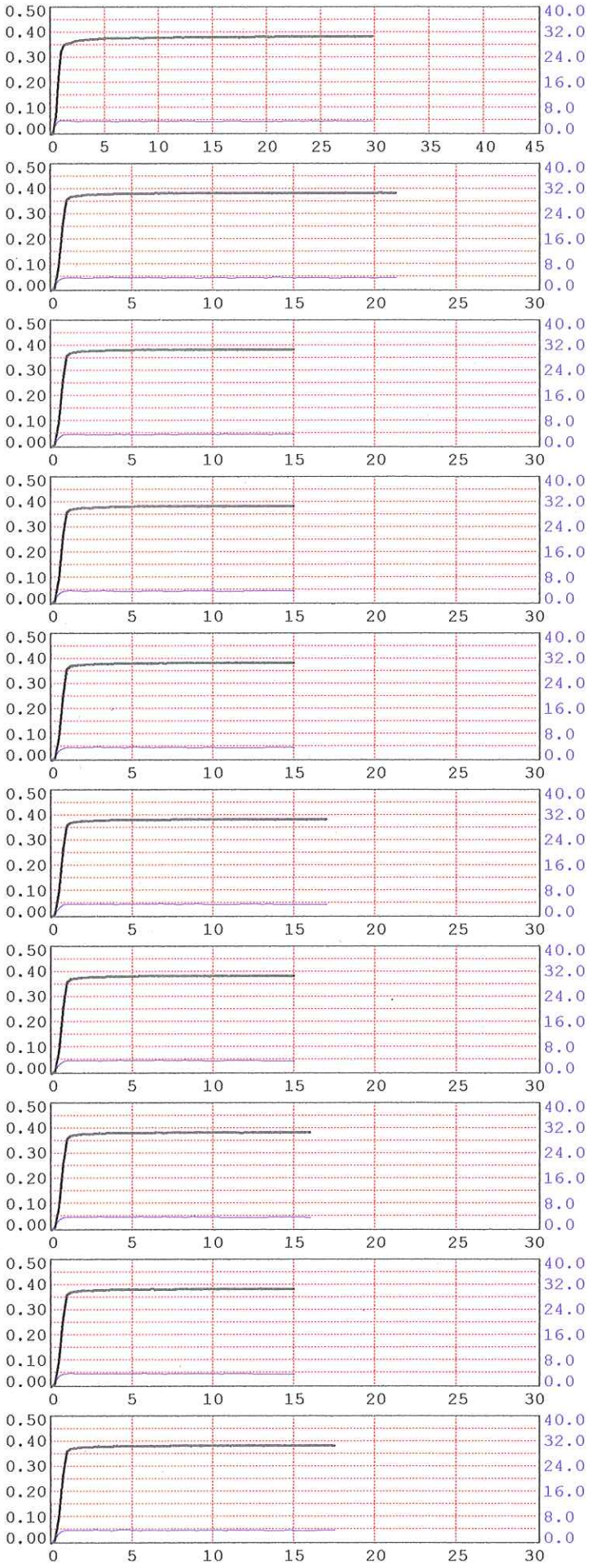
SUPERVISOR NAME:
RCD LINEARITYTHREE

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	10:39
CALIBRATION CHECK	PASSED	10:39
SIMULATOR VAPOR 33.9°C	0.381	10:40
SIMULATOR VAPOR 33.9°C	0.382	10:41
SIMULATOR VAPOR 33.9°C	0.381	10:42
SIMULATOR VAPOR 33.9°C	0.382	10:43
SIMULATOR VAPOR 33.9°C	0.381	10:44
SIMULATOR VAPOR 33.9°C	0.382	10:46
SIMULATOR VAPOR 34.0°C	0.382	10:47
SIMULATOR VAPOR 33.9°C	0.382	10:48
SIMULATOR VAPOR 33.9°C	0.382	10:49
SIMULATOR VAPOR 33.9°C	0.381	10:50
BLANK TEST	0.000	10:51

Average = 0.381
Std Dev = 0.000

L 3 6/13/13
RCD



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/18/2013
Time: 09:23:51

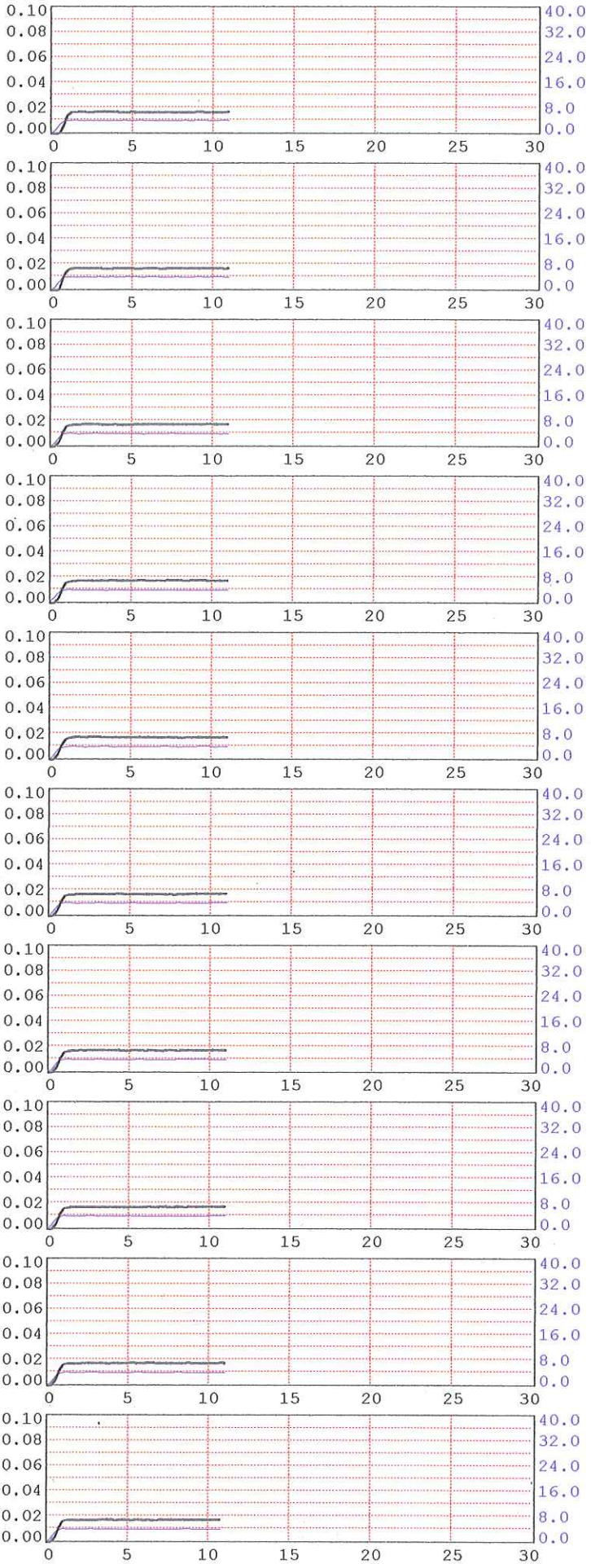
SUPERVISOR NAME:
RCD LINEARITYFOUR

SOLUTION LOT #: 13-07-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	09:24
CALIBRATION CHECK	PASSED	09:24
SIMULATOR VAPOR 33.9°C	0.018	09:25
SIMULATOR VAPOR 34.0°C	0.018	09:26
SIMULATOR VAPOR 34.0°C	0.019	09:27
SIMULATOR VAPOR 33.9°C	0.019	09:28
SIMULATOR VAPOR 34.0°C	0.019	09:29
SIMULATOR VAPOR 33.9°C	0.019	09:30
SIMULATOR VAPOR 33.9°C	0.019	09:31
SIMULATOR VAPOR 33.9°C	0.019	09:32
SIMULATOR VAPOR 34.0°C	0.019	09:33
SIMULATOR VAPOR 33.9°C	0.018	09:34
BLANK TEST	0.000	09:35

Average = 0.018
Std Dev = 0.000

L4 RCD
6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/18/2013
Time: 09:38:11

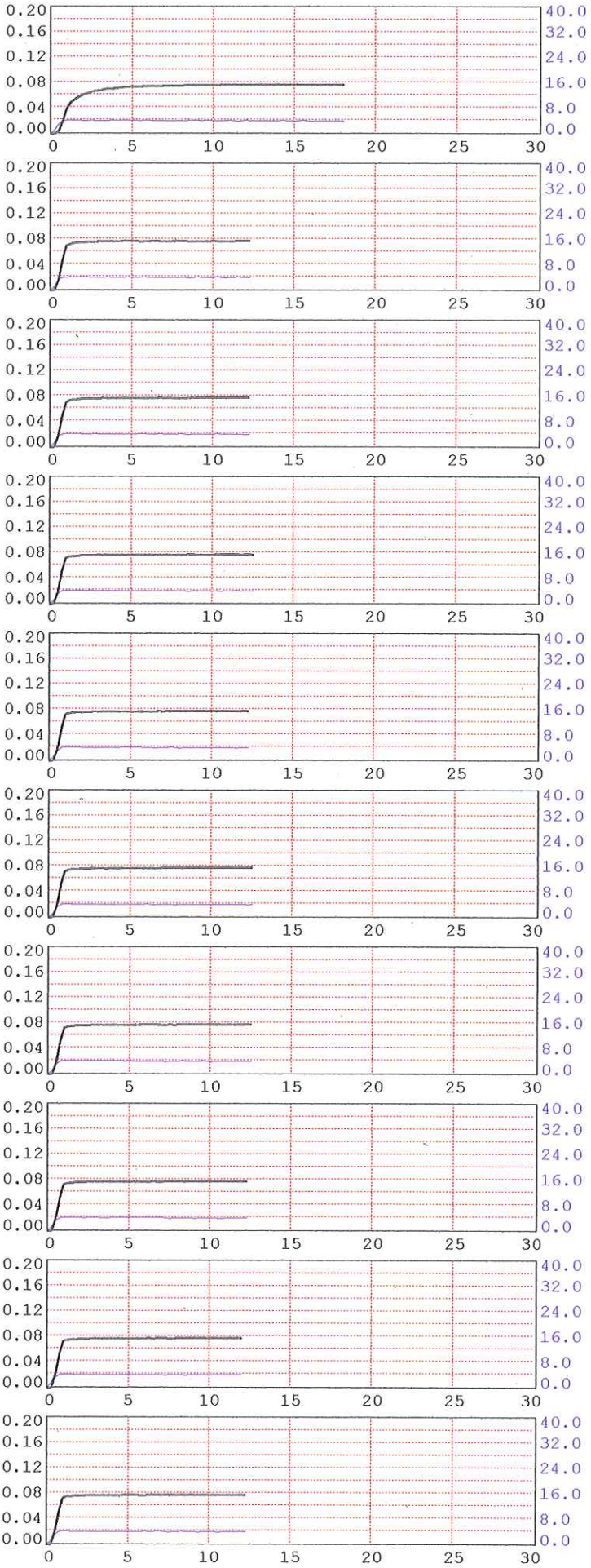
SUPERVISOR NAME:
RCD LINEARITYFOUR

SOLUTION LOT #: 13-05-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	09:39
CALIBRATION CHECK	PASSED	09:39
SIMULATOR VAPOR 33.9°C	0.077	09:39
SIMULATOR VAPOR 34.0°C	0.077	09:40
SIMULATOR VAPOR 33.9°C	0.078	09:41
SIMULATOR VAPOR 33.9°C	0.078	09:42
SIMULATOR VAPOR 33.9°C	0.078	09:43
SIMULATOR VAPOR 33.9°C	0.078	09:44
SIMULATOR VAPOR 34.0°C	0.078	09:45
SIMULATOR VAPOR 33.9°C	0.078	09:47
SIMULATOR VAPOR 34.0°C	0.078	09:48
SIMULATOR VAPOR 33.9°C	0.078	09:49
BLANK TEST	0.000	09:49

Average = 0.077
Std Dev = 0.000

L4 RCD 6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/18/2013
Time: 09:52:18

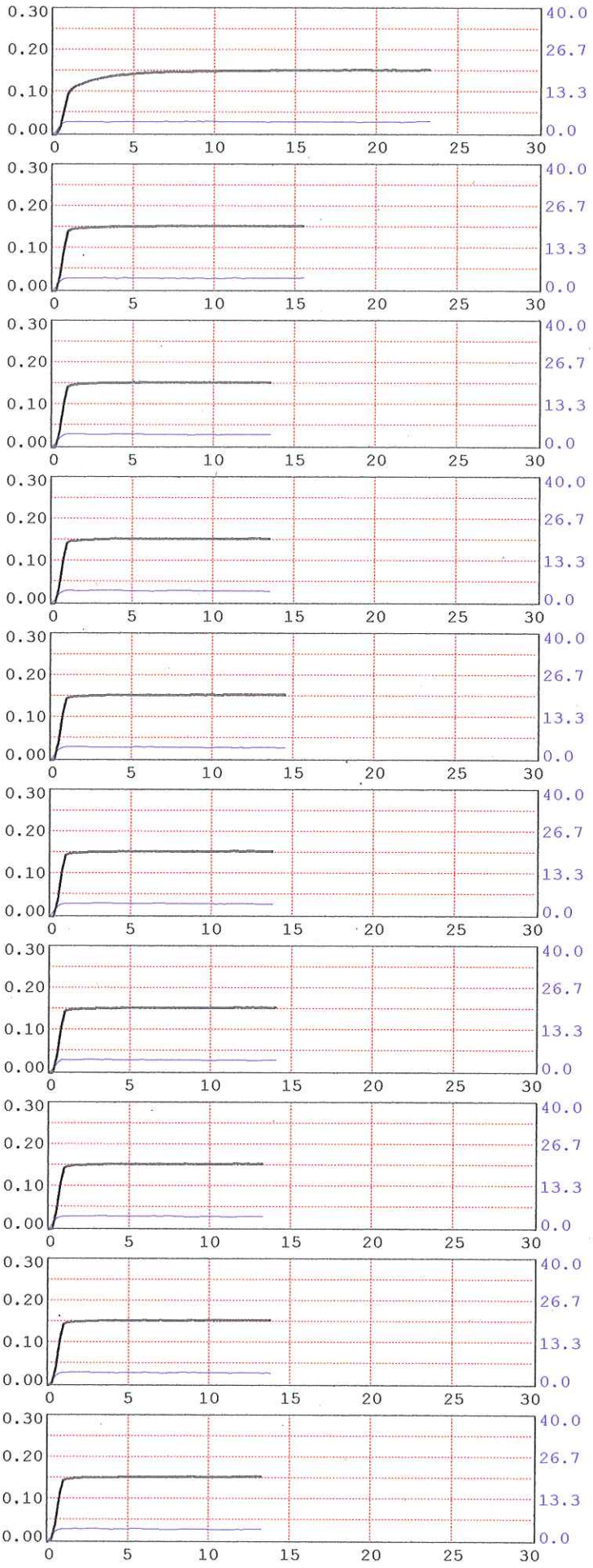
SUPERVISOR NAME:
RCD LINEARITYFOUR

SOLUTION LOT #: 12-83-160
SOLUTION CONCENTRATION: 0.157

BLANK TEST	0.000	09:53
CALIBRATION CHECK	PASSED	09:53
SIMULATOR VAPOR 34.0°C	0.153	09:53
SIMULATOR VAPOR 34.0°C	0.154	09:54
SIMULATOR VAPOR 33.9°C	0.154	09:55
SIMULATOR VAPOR 33.9°C	0.154	09:57
SIMULATOR VAPOR 34.0°C	0.154	09:58
SIMULATOR VAPOR 33.9°C	0.154	09:59
SIMULATOR VAPOR 33.9°C	0.154	10:00
SIMULATOR VAPOR 34.0°C	0.154	10:01
SIMULATOR VAPOR 33.9°C	0.154	10:02
SIMULATOR VAPOR 34.0°C	0.154	10:03
BLANK TEST	0.000	10:04

Average = 0.153
Std Dev = 0.000

L4 RCD
6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/18/2013
Time: 10:09:02

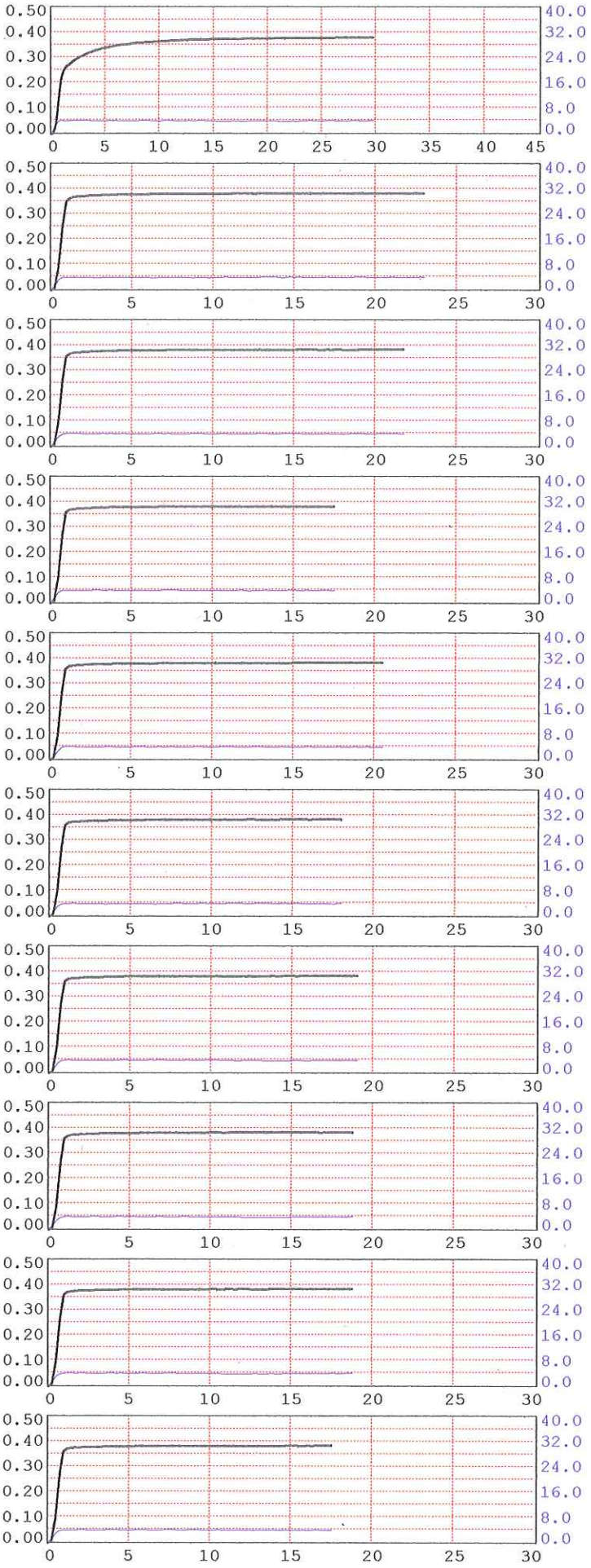
SUPERVISOR NAME:
RCD LINEARITYFOUR

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	10:09
CALIBRATION CHECK	PASSED	10:10
SIMULATOR VAPOR 34.0°C	0.378	10:10
SIMULATOR VAPOR 34.0°C	0.380	10:11
SIMULATOR VAPOR 34.0°C	0.381	10:13
SIMULATOR VAPOR 33.9°C	0.380	10:14
SIMULATOR VAPOR 34.0°C	0.381	10:15
SIMULATOR VAPOR 33.9°C	0.381	10:16
SIMULATOR VAPOR 34.0°C	0.381	10:17
SIMULATOR VAPOR 34.0°C	0.381	10:18
SIMULATOR VAPOR 33.9°C	0.381	10:20
SIMULATOR VAPOR 34.0°C	0.381	10:21
BLANK TEST	0.000	10:22

Average = 0.380
Std Dev = 0.000

L4 RCD
6/18/13



DIAGNOSTIC RESULT

DataMaster DMT: 300386
Location:
Calibration Date: 05/29/2013
Certification Date: 05/29/2013
Installation Date:
Test Date: 06/24/2013
Test Time: 13:40:58

VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 45.0°C
Digital Sim = 34.0°C

SETTINGS
Lamp Voltage = 1.62 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 531 Hz

PUMP INFO
Flow Rate = 5.045 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0604	0.0648
MIN(V)	0.0591	0.0636

FILTER INFO
Filter 1 0.065 Zero = true
Filter 2 0.740 Zero = true
Filter 3 0.162 Zero = true

CALIBRATION CHECK
Xq = 0.084 0.73%

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/24/2013
Time: 13:43:38

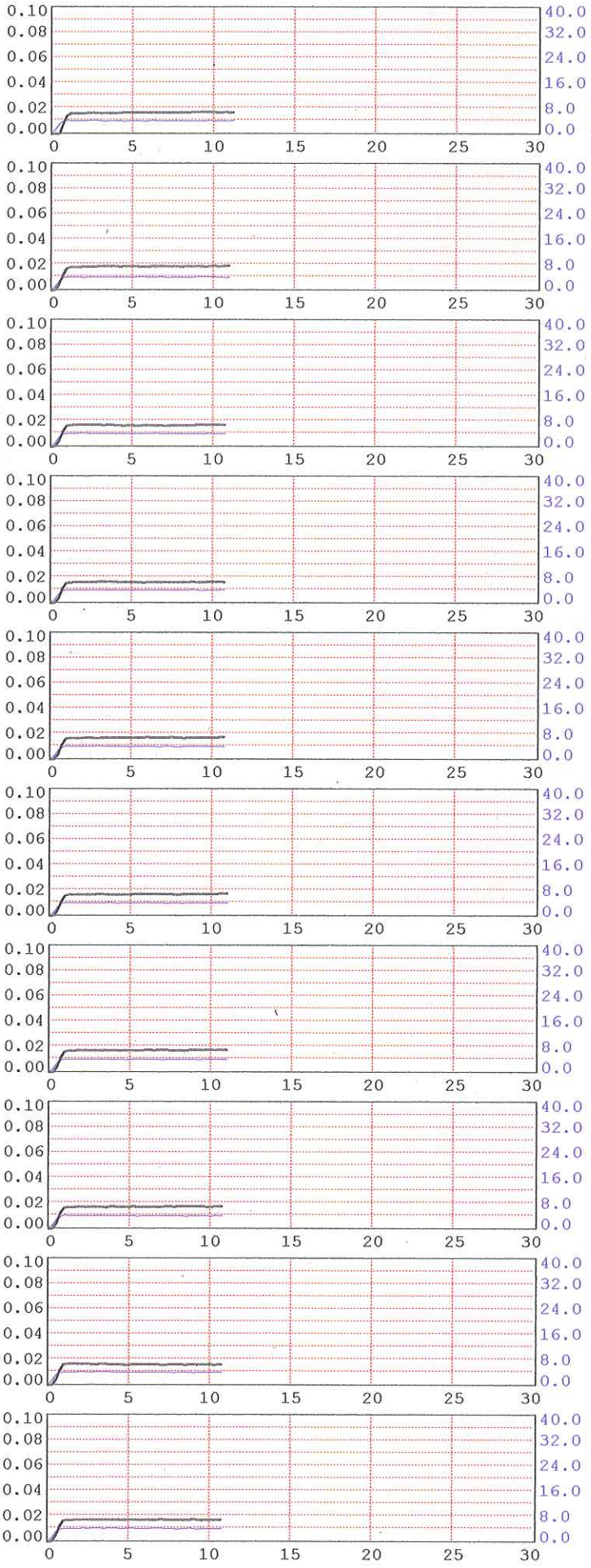
SUPERVISOR NAME:
ALB LINEARITY

SOLUTION LOT #: 13-07-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	13:44
CALIBRATION CHECK	PASSED	13:44
SIMULATOR VAPOR 33.9°C	0.018	13:44
SIMULATOR VAPOR 34.0°C	0.020	13:45
SIMULATOR VAPOR 34.0°C	0.018	13:47
SIMULATOR VAPOR 33.9°C	0.018	13:48
SIMULATOR VAPOR 33.9°C	0.018	13:49
SIMULATOR VAPOR 34.0°C	0.019	13:50
SIMULATOR VAPOR 34.0°C	0.019	13:51
SIMULATOR VAPOR 34.0°C	0.018	13:52
SIMULATOR VAPOR 33.9°C	0.017	13:53
SIMULATOR VAPOR 34.0°C	0.018	13:54
BLANK TEST	0.000	13:55

Average = 0.018
Std Dev = 0.000

Nist T 34.0°C
S/N 111814522
6/24/13 ALB



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

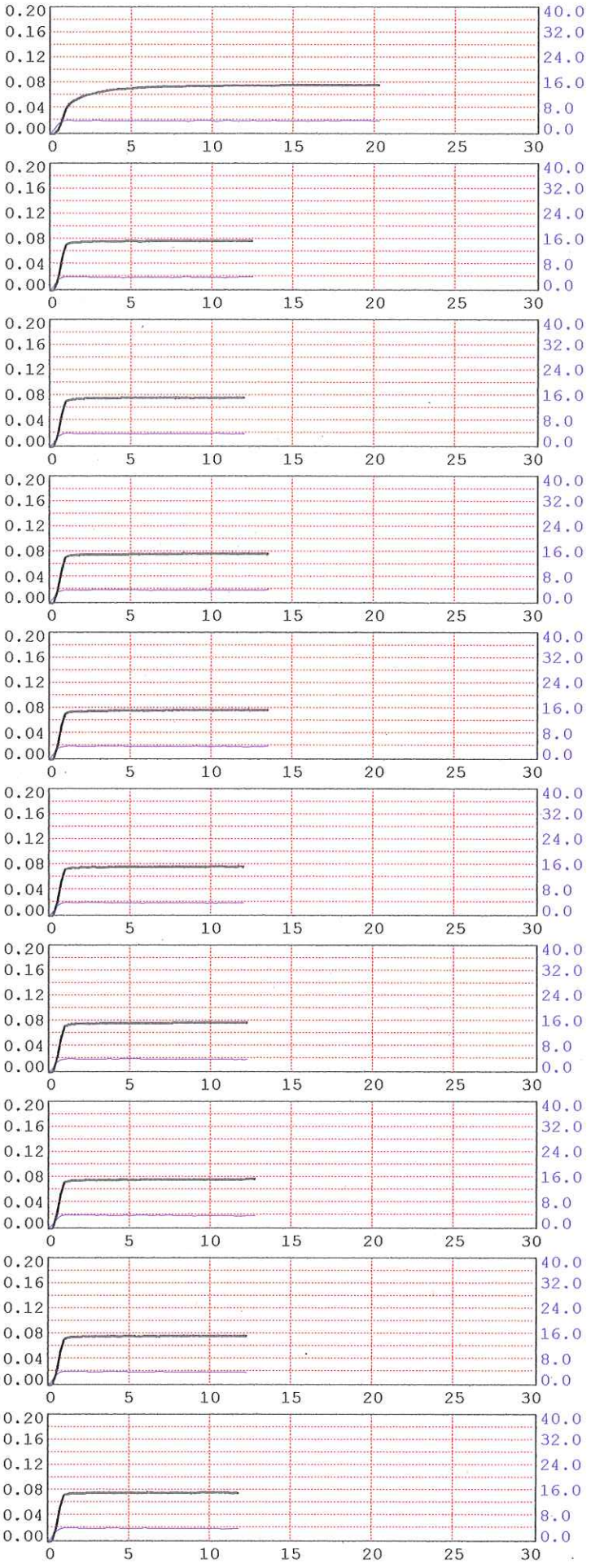
Date: 06/24/2013
Time: 13:58:30

SUPERVISOR NAME:
ALB LINEARITY

SOLUTION LOT #: 13-05-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	13:59
CALIBRATION CHECK	PASSED	13:59
SIMULATOR VAPOR 33.9°C	0.077	13:59
SIMULATOR VAPOR 33.9°C	0.078	14:01
SIMULATOR VAPOR 33.8°C	0.077	14:02
SIMULATOR VAPOR 33.9°C	0.078	14:03
SIMULATOR VAPOR 34.0°C	0.078	14:04
SIMULATOR VAPOR 33.9°C	0.078	14:05
SIMULATOR VAPOR 33.9°C	0.078	14:06
SIMULATOR VAPOR 34.0°C	0.078	14:07
SIMULATOR VAPOR 33.9°C	0.077	14:08
SIMULATOR VAPOR 33.9°C	0.077	14:09
BLANK TEST	0.000	14:10

Average = 0.077
Std Dev = 0.000



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

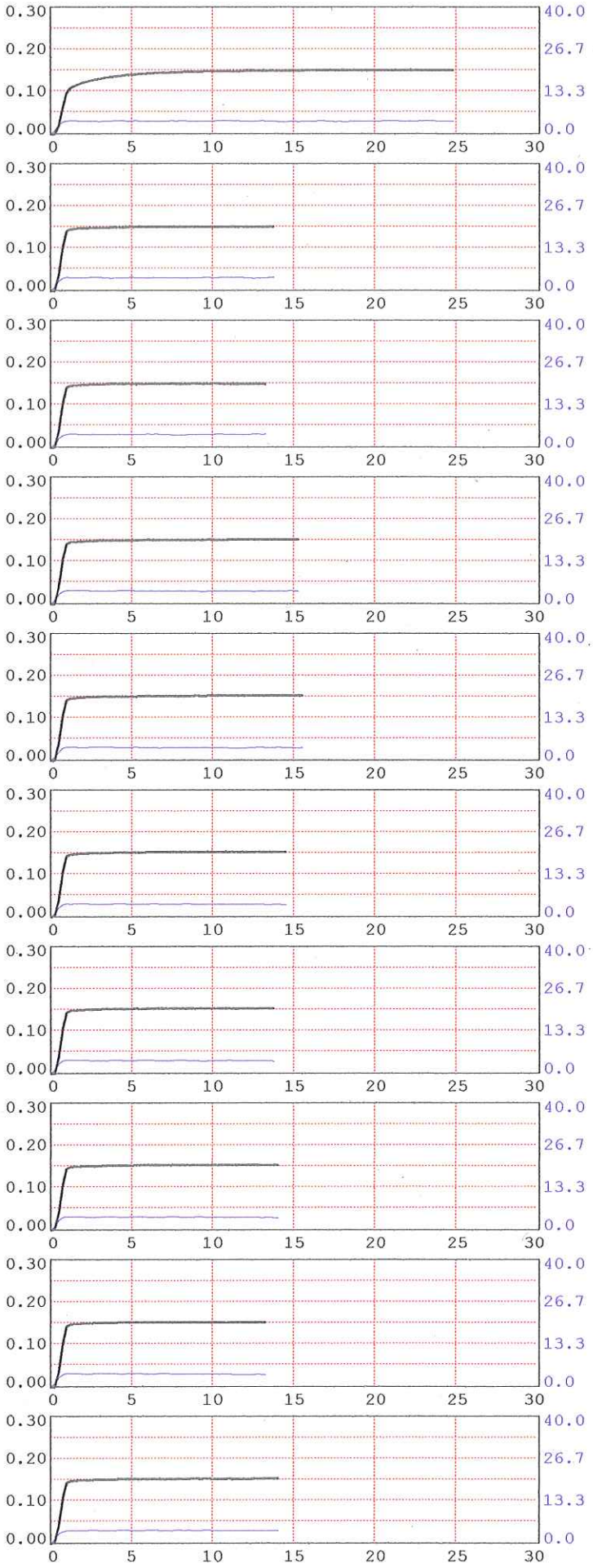
Date: 06/24/2013
Time: 14:12:28

SUPERVISOR NAME:
ALB LINEARITY

SOLUTION LOT #: 12-83-160
SOLUTION CONCENTRATION: 0.157

BLANK TEST	0.000	14:13
CALIBRATION CHECK	PASSED	14:13
SIMULATOR VAPOR 34.0°C	0.151	14:13
SIMULATOR VAPOR 33.9°C	0.151	14:15
SIMULATOR VAPOR 33.9°C	0.150	14:16
SIMULATOR VAPOR 33.9°C	0.152	14:17
SIMULATOR VAPOR 33.9°C	0.153	14:18
SIMULATOR VAPOR 34.0°C	0.153	14:19
SIMULATOR VAPOR 34.0°C	0.154	14:20
SIMULATOR VAPOR 34.0°C	0.154	14:21
SIMULATOR VAPOR 33.7°C	0.152	14:22
SIMULATOR VAPOR 33.9°C	0.153	14:23
BLANK TEST	0.000	14:24

Average = 0.152
Std Dev = 0.001



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

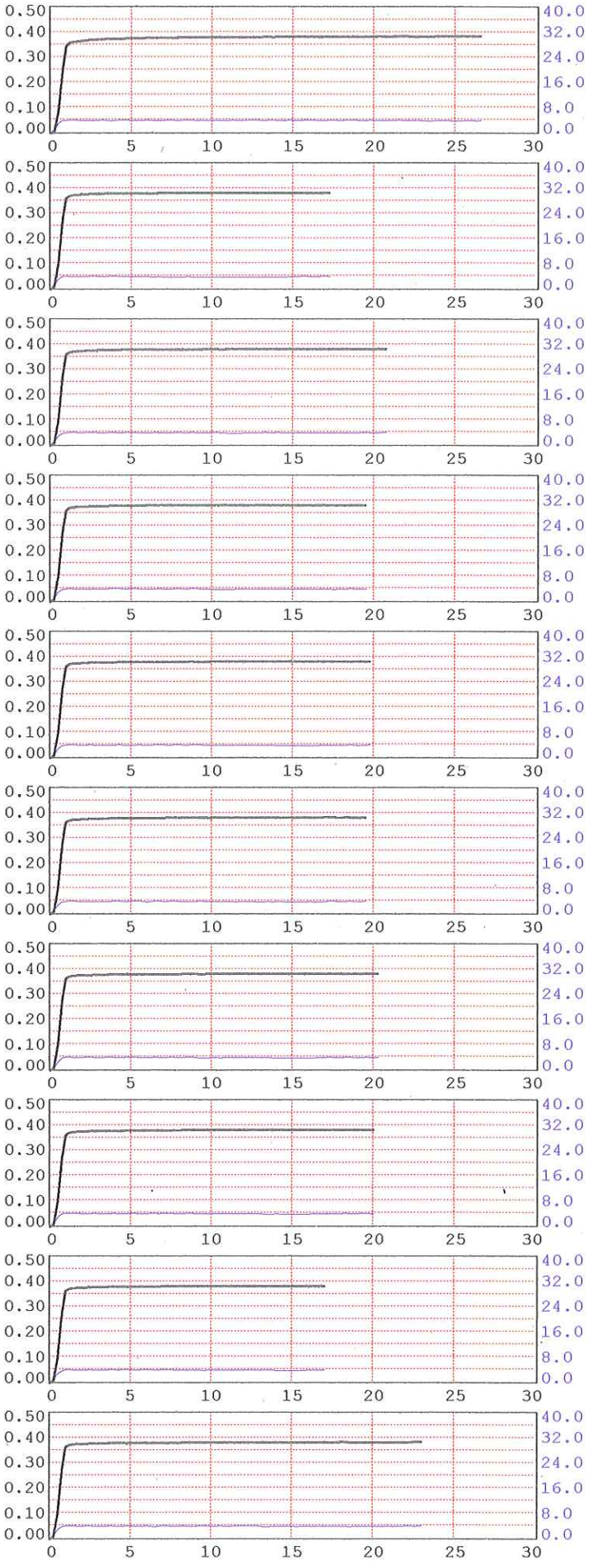
Date: 06/24/2013
Time: 14:45:19

SUPERVISOR NAME:
ALB LINEARITY

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	14:46
CALIBRATION CHECK	PASSED	14:46
SIMULATOR VAPOR 34.0°C	0.381	14:46
SIMULATOR VAPOR 33.9°C	0.380	14:48
SIMULATOR VAPOR 33.9°C	0.380	14:49
SIMULATOR VAPOR 34.0°C	0.380	14:50
SIMULATOR VAPOR 34.0°C	0.380	14:51
SIMULATOR VAPOR 33.9°C	0.381	14:52
SIMULATOR VAPOR 33.9°C	0.381	14:53
SIMULATOR VAPOR 33.9°C	0.381	14:55
SIMULATOR VAPOR 34.0°C	0.380	14:56
SIMULATOR VAPOR 33.9°C	0.381	14:57
BLANK TEST	0.000	14:58

Average = 0.380
Std Dev = 0.000



SECTION 4

INTERFERENCE TESTS

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

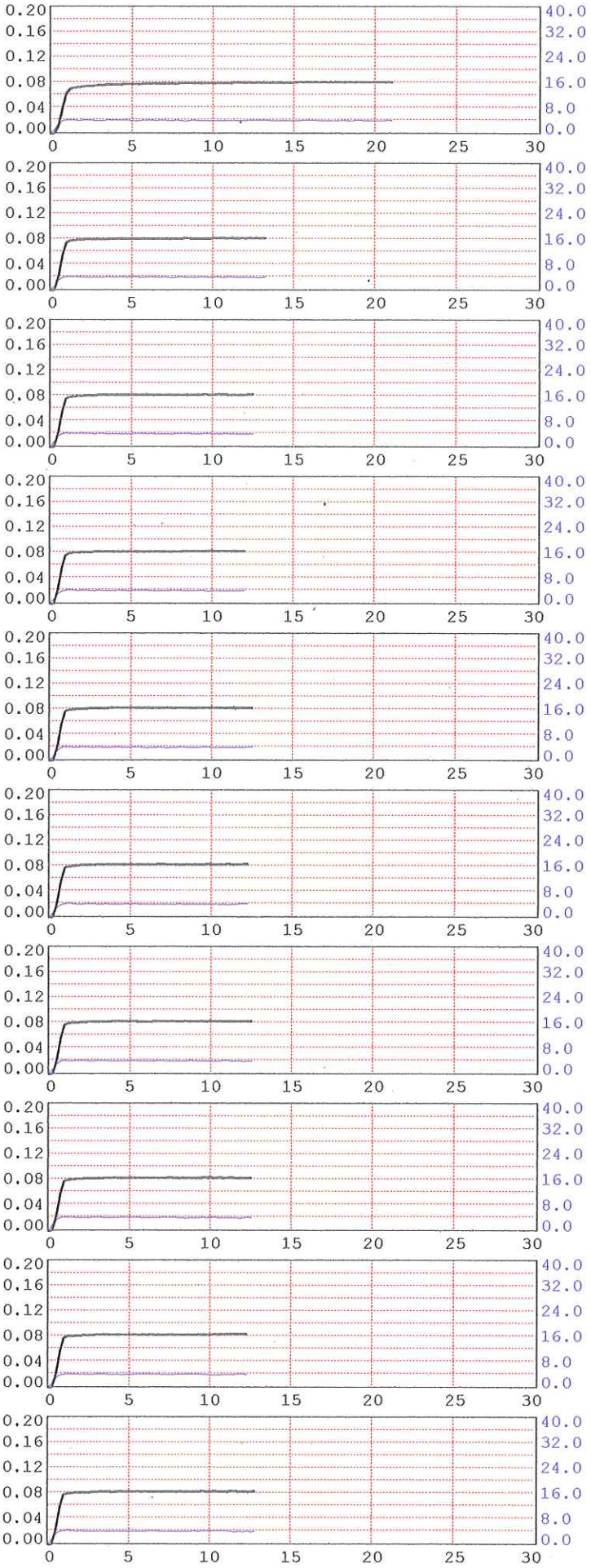
Date: 06/18/2013
Time: 13:02:15

SUPERVISOR NAME:
RCD I ONE

SOLUTION LOT #: 12-85-08A1
SOLUTION CONCENTRATION: 0.081

BLANK TEST	0.000	13:03
CALIBRATION CHECK	PASSED	13:03
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:03
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:04
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:05
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:06
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:07
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:09
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:10
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:11
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:12
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:13
BLANK TEST	0.000	13:14

0.01% Acet. in 0.08% EtOH.
RCD
6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

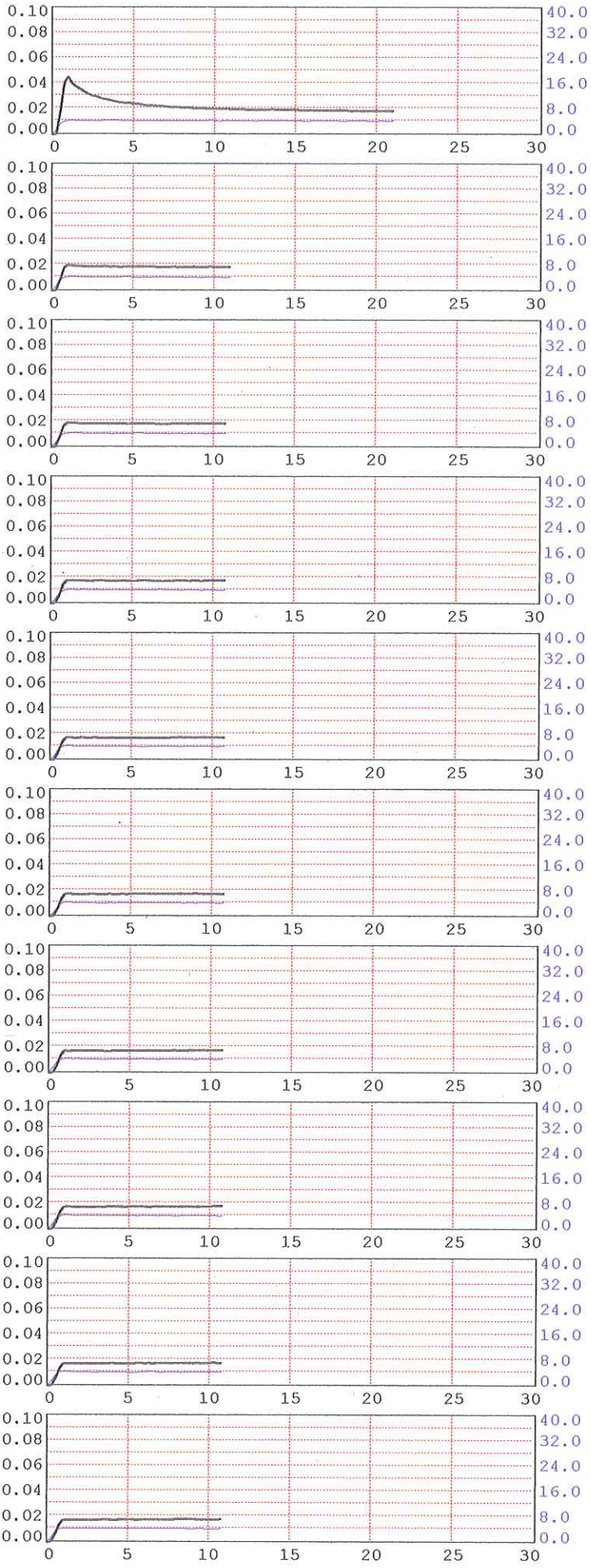
Date: 06/18/2013
Time: 13:18:34

SUPERVISOR NAME:
RCD I TWO

SOLUTION LOT #: 13-08-040M
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	13:19
CALIBRATION CHECK	PASSED	13:19
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:20
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:21
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:22
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:23
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:24
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:25
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:26
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:27
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:28
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:29
BLANK TEST	0.000	13:30

0.04% MeOH in H_2O.
RCD
6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

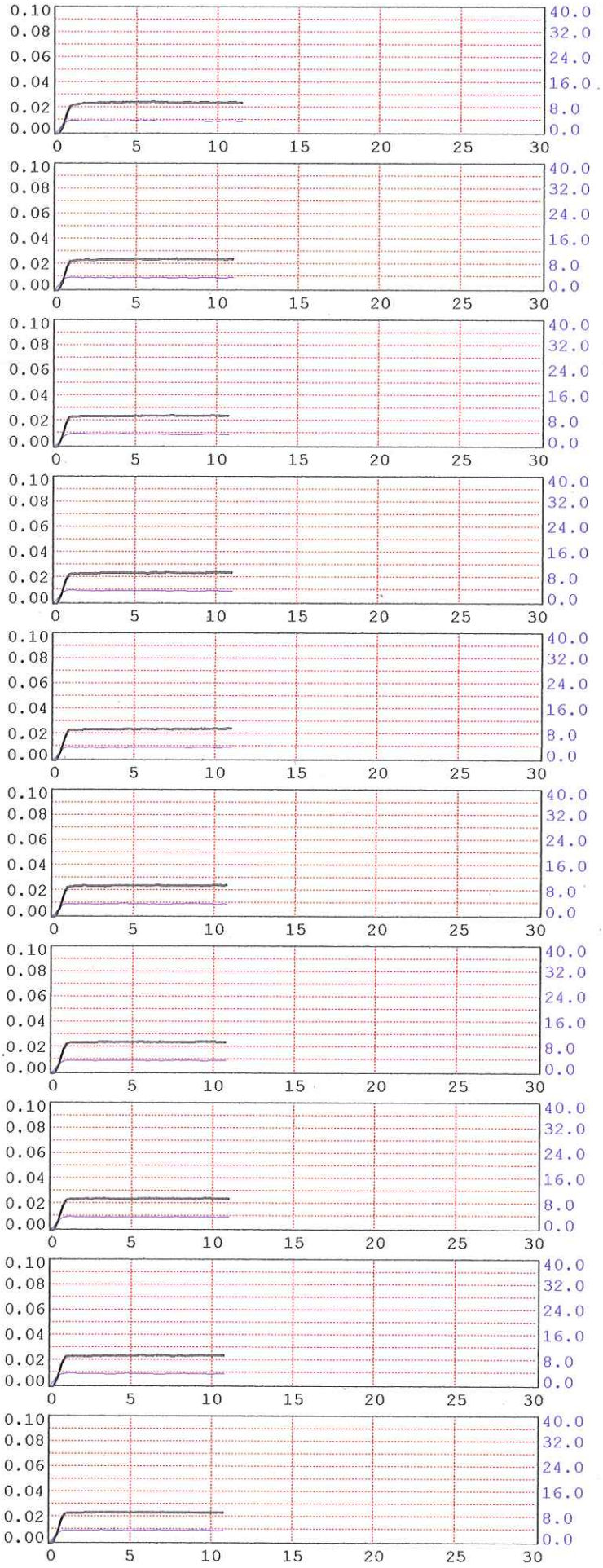
Date: 06/18/2013
Time: 13:32:00

SUPERVISOR NAME:
RCD I THREE

SOLUTION LOT #: 13-09-040I
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	13:32
CALIBRATION CHECK	PASSED	13:33
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:33
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:34
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:35
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:36
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:37
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:38
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:39
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:40
SIMULATOR VAPOR 34.0°C	INTERFERENCE	13:41
SIMULATOR VAPOR 33.9°C	INTERFERENCE	13:42
BLANK TEST	0.000	13:43

0.04% IPA in H_2O. RCD 6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

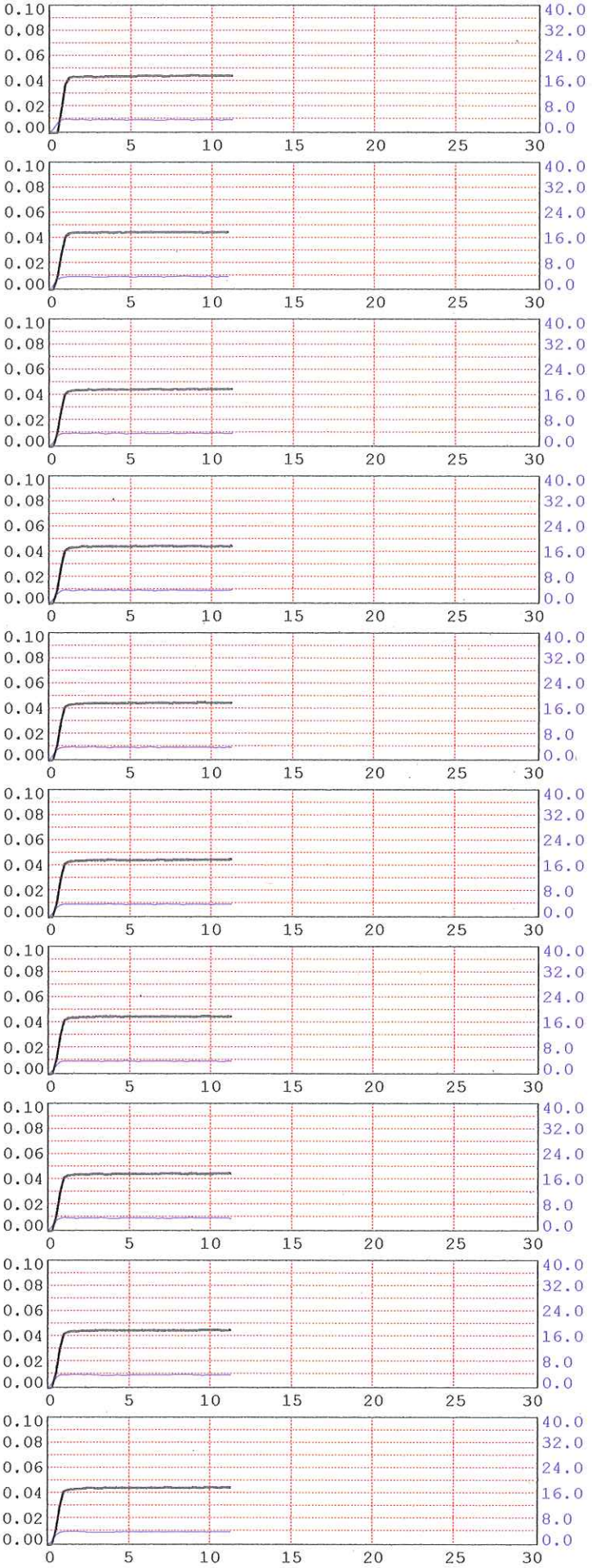
Date: 06/24/2013
Time: 11:02:51

SUPERVISOR NAME:
RCD I FOUR

SOLUTION LOT #: 13-06-04A1
SOLUTION CONCENTRATION: 0.039

BLANK TEST	0.000	11:03
CALIBRATION CHECK	PASSED	11:03
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:04
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:05
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:06
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:07
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:08
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:09
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:10
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:11
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:12
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:13
BLANK TEST	0.000	11:14

0.01% Acet. in 0.04% EtOH. RCD 6/24/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

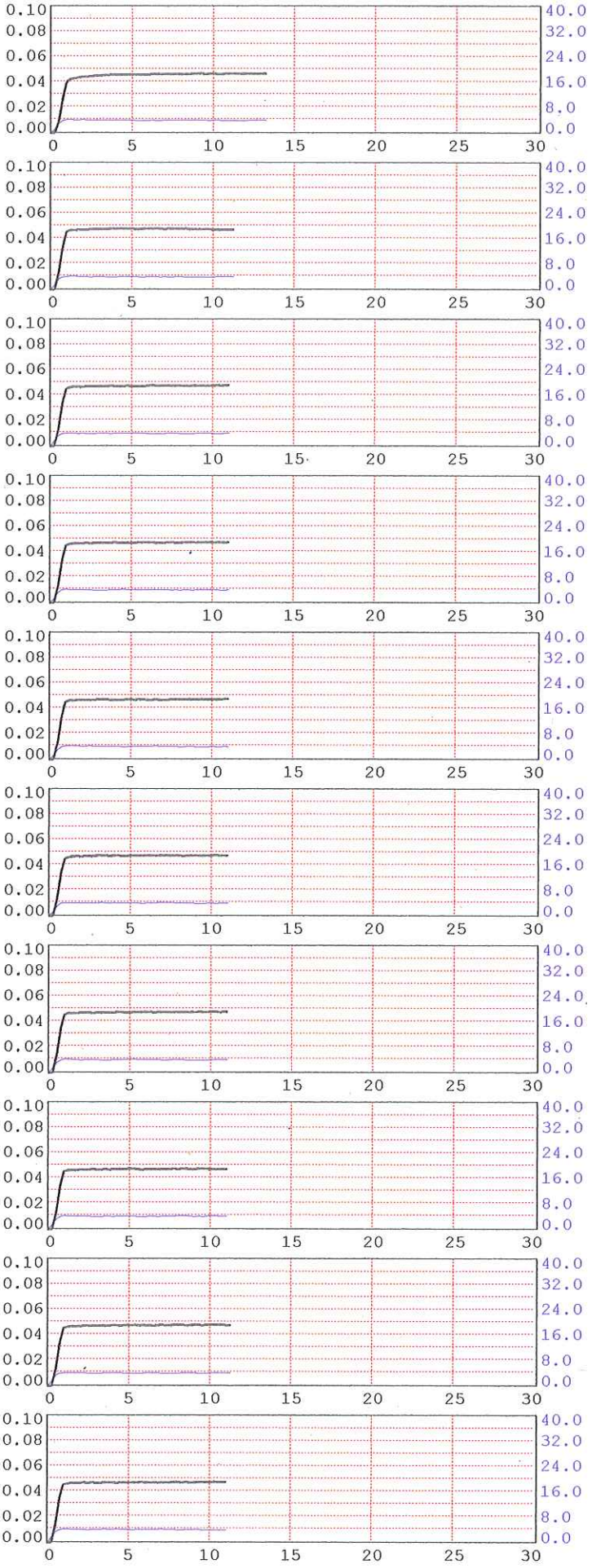
Date: 06/18/2013
Time: 14:13:40

SUPERVISOR NAME:
RCD I FIVE

SOLUTION LOT #: 13-10-04A2
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	14:14
CALIBRATION CHECK	PASSED	14:14
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:14
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:16
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:17
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:18
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:19
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:20
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:21
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:22
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:23
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:24
BLANK TEST	0.000	14:25

0.02% Acet. in 0.04% EtOH.
RCD 6/18/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/24/2013
Time: 11:18:26

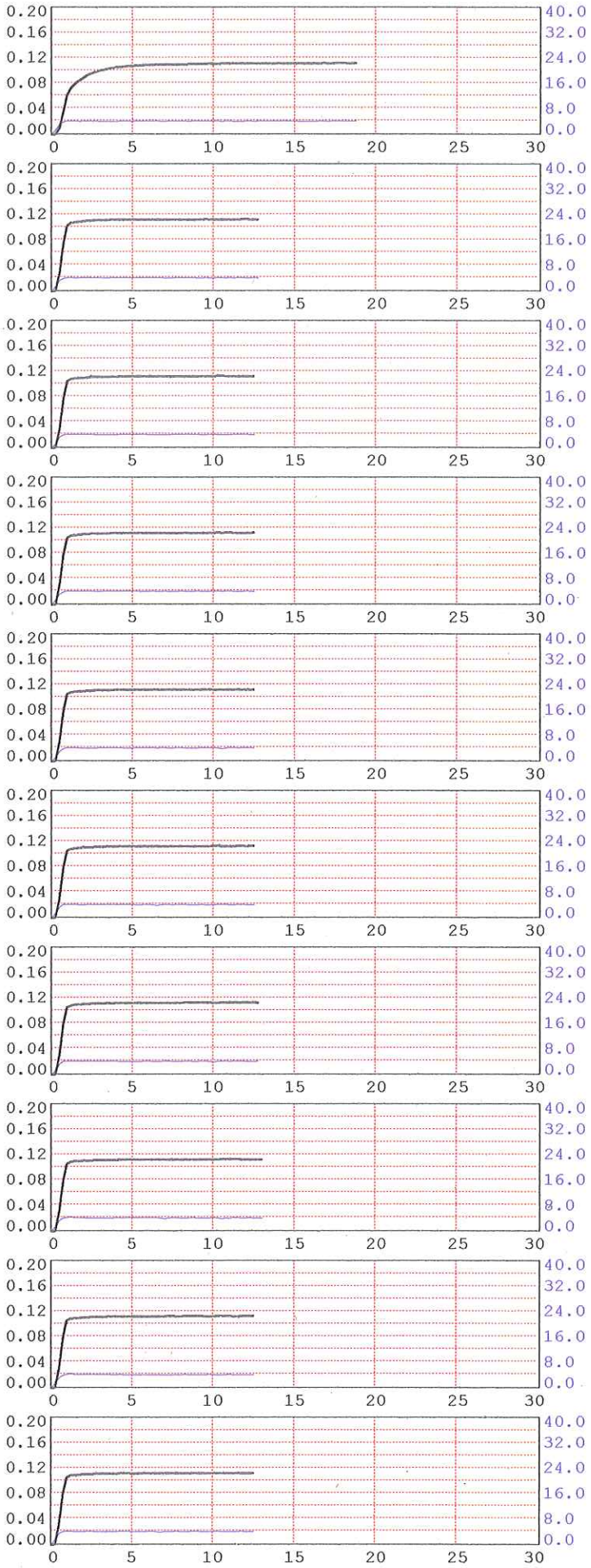
SUPERVISOR NAME:
RCD I SIX

SOLUTION LOT #: 13-05-08M4
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	11:19
CALIBRATION CHECK	PASSED	11:19
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:19
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:20
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:21
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:23
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:24
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:25
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:26
SIMULATOR VAPOR 33.9°C	INTERFERENCE	11:27
SIMULATOR VAPOR 34.0°C	INTERFERENCE	11:28
SIMULATOR VAPOR 33.8°C	INTERFERENCE	11:29
BLANK TEST	0.000	11:30

0.04% MeOH in 0.08% EtOH.

RCD
6/24/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

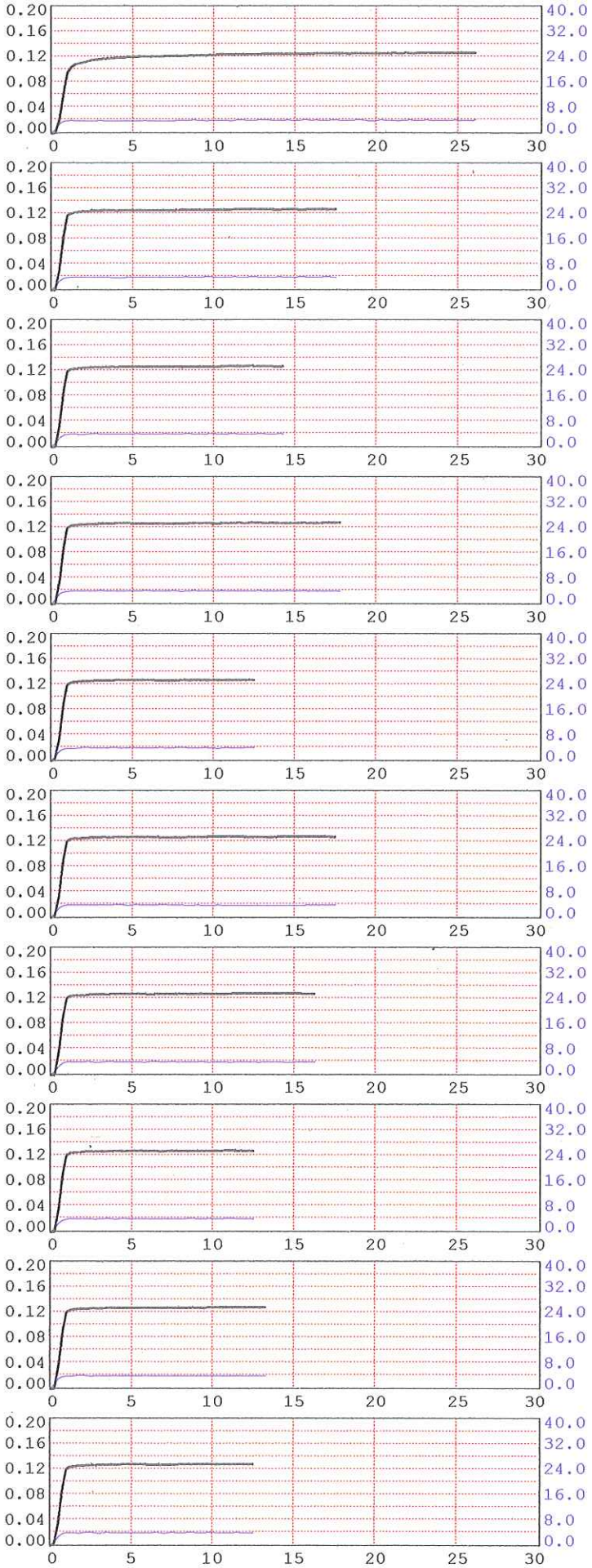
Date: 06/18/2013
Time: 14:47:16

SUPERVISOR NAME:
RCD I SEVEN

SOLUTION LOT #: 13-05-08I4
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	14:48
CALIBRATION CHECK	PASSED	14:48
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:48
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:49
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:51
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:52
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:53
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:54
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:55
SIMULATOR VAPOR 34.0°C	INTERFERENCE	14:56
SIMULATOR VAPOR 33.8°C	INTERFERENCE	14:57
SIMULATOR VAPOR 33.9°C	INTERFERENCE	14:58
BLANK TEST	0.000	14:59

0.04% IPA in 0.08% EtOH. RCD 6/18/13



SECTION 5

FINAL CALIBRATION CHECK TESTS

DIAGNOSTIC RESULT

DataMaster DMT: 300386
Location:
Calibration Date: 05/29/2013
Certification Date: 05/29/2013
Installation Date:
Test Date: 06/25/2013
Test Time: 08:01:49

VERSIONS
DMT: 1.01
PIC: 2.05
Modem: 2.4
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 44.6°C
Digital Sim = 33.9°C

SETTINGS
Lamp Voltage = 1.62 V
Cooler Voltage = 1.66 V
Bias Voltage = 80 V
Chopper Freq = 531 Hz

PUMP INFO
Flow Rate = 5.025 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0589	0.0626
MIN(V)	0.0567	0.0612

FILTER INFO
Filter 1 0.062 Zero = true
Filter 2 0.737 Zero = true
Filter 3 0.159 Zero = true

CALIBRATION CHECK
Xq = 0.084 0.31%

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

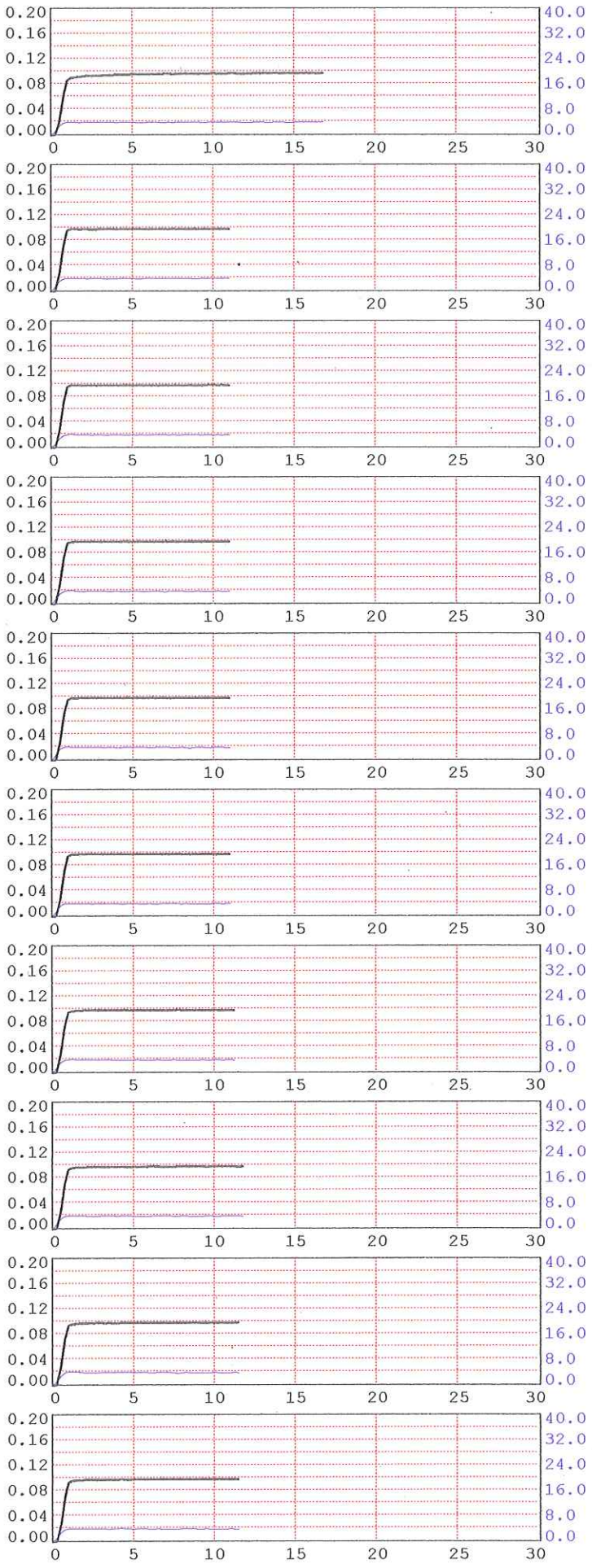
Date: 06/25/2013
Time: 08:05:26

SUPERVISOR NAME:
RCD POST CAL CHECK

SOLUTION LOT #: OHIO 12220
SOLUTION CONCENTRATION: 0.101

BLANK TEST	0.000	08:06
CALIBRATION CHECK	PASSED	08:06
SIMULATOR VAPOR 34.0°C	0.098	08:06
SIMULATOR VAPOR 33.9°C	0.099	08:07
SIMULATOR VAPOR 33.9°C	0.099	08:08
SIMULATOR VAPOR 34.0°C	0.099	08:09
SIMULATOR VAPOR 34.0°C	0.099	08:10
SIMULATOR VAPOR 33.9°C	0.099	08:12
SIMULATOR VAPOR 33.9°C	0.099	08:13
SIMULATOR VAPOR 33.9°C	0.098	08:14
SIMULATOR VAPOR 33.9°C	0.098	08:15
SIMULATOR VAPOR 33.9°C	0.098	08:16
BLANK TEST	0.000	08:17

Average = 0.098
Std Dev = 0.000



SECTION 6

ERROR REPORTS

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/29/2013
Time: 10:51:57

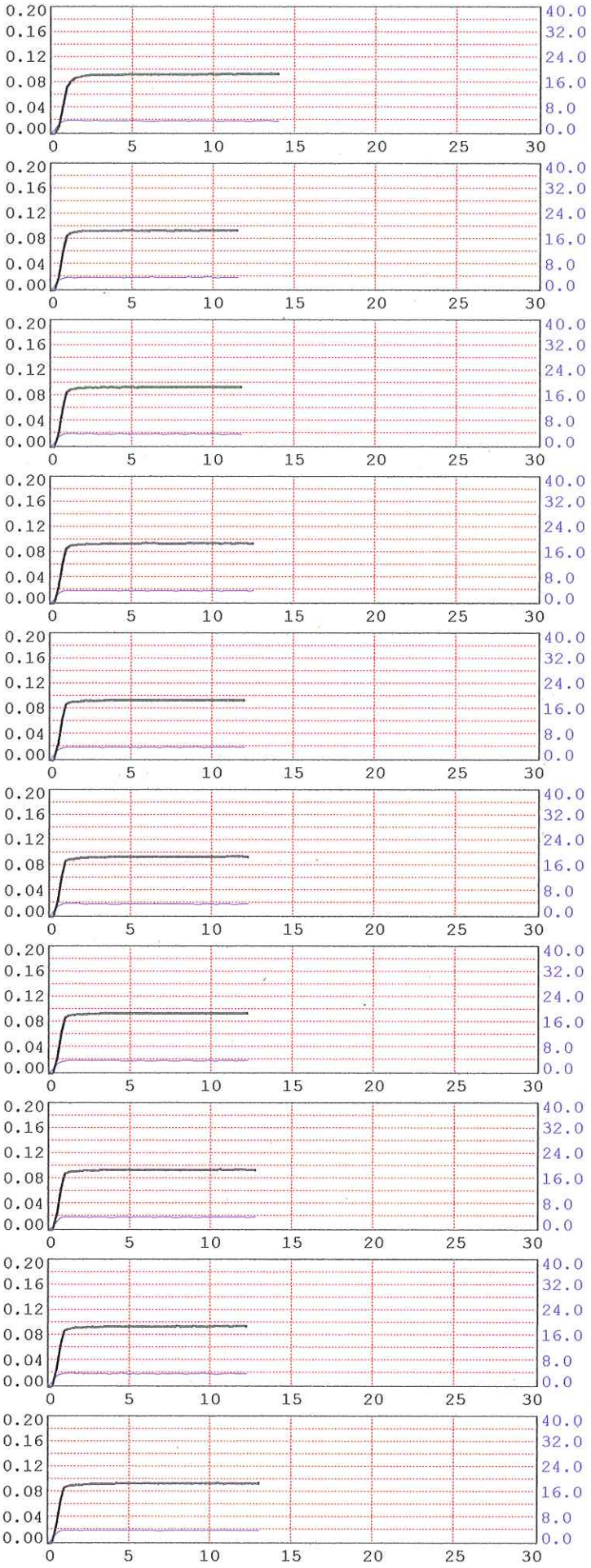
SUPERVISOR NAME:
ROBERT DRISCOLL

SOLUTION LOT #: OHIO 12070
SOLUTION CONCENTRATION: 0.101

BLANK TEST	0.000	10:52
CALIBRATION CHECK	PASSED	10:52
SIMULATOR VAPOR 34.0°C	0.094	10:53
SIMULATOR VAPOR 34.0°C	0.094	10:54
SIMULATOR VAPOR 34.0°C	0.095	10:55
SIMULATOR VAPOR 34.0°C	0.095	10:56
SIMULATOR VAPOR 33.9°C	0.094	10:57
SIMULATOR VAPOR 33.9°C	0.095	10:58
SIMULATOR VAPOR 34.0°C	0.095	10:59
SIMULATOR VAPOR 33.9°C	0.095	11:00
SIMULATOR VAPOR 33.9°C	0.095	11:01
SIMULATOR VAPOR 34.0°C	0.095	11:02
BLANK TEST	0.000	11:03

Average = 0.094
Std Dev = 0.000

Second Source Cal Check.
Solution depleted so replaced
RCD 5/29/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/30/2013
Time: 14:53:52

SUPERVISOR NAME:
RCD LINEARITYONE

SOLUTION LOT #: 12-83-160
SOLUTION CONCENTRATION: 0.157

BLANK TEST	0.000	14:54
CALIBRATION CHECK	PASSED	14:54

Simulator Timed Out

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 05/30/2013
Time: 15:11:41

SUPERVISOR NAME:
RCD LINEARITYONE

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	15:12
CALIBRATION CHECK	PASSED	15:12

Simulator Timed Out

60 of 56 RCD

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/13/2013
Time: 10:13:38

SUPERVISOR NAME:
RCD LINEARITYTHREE

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	10:14
CALIBRATION CHECK	PASSED	10:14

Simulator Timed Out

L3 6/13/13
RCD

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/13/2013
Time: 10:33:45

SUPERVISOR NAME:
RCD LINEARITYTHREE

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	10:34
CALIBRATION CHECK	PASSED	10:34

Simulator Timed Out

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/24/2013
Time: 14:27:24

SUPERVISOR NAME:
ALB LINEARITY

SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	14:28
CALIBRATION CHECK	PASSED	14:28

Simulator Timed Out

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/24/2013
Time: 14:31:02

SUPERVISOR NAME:
ALB LINEARITY

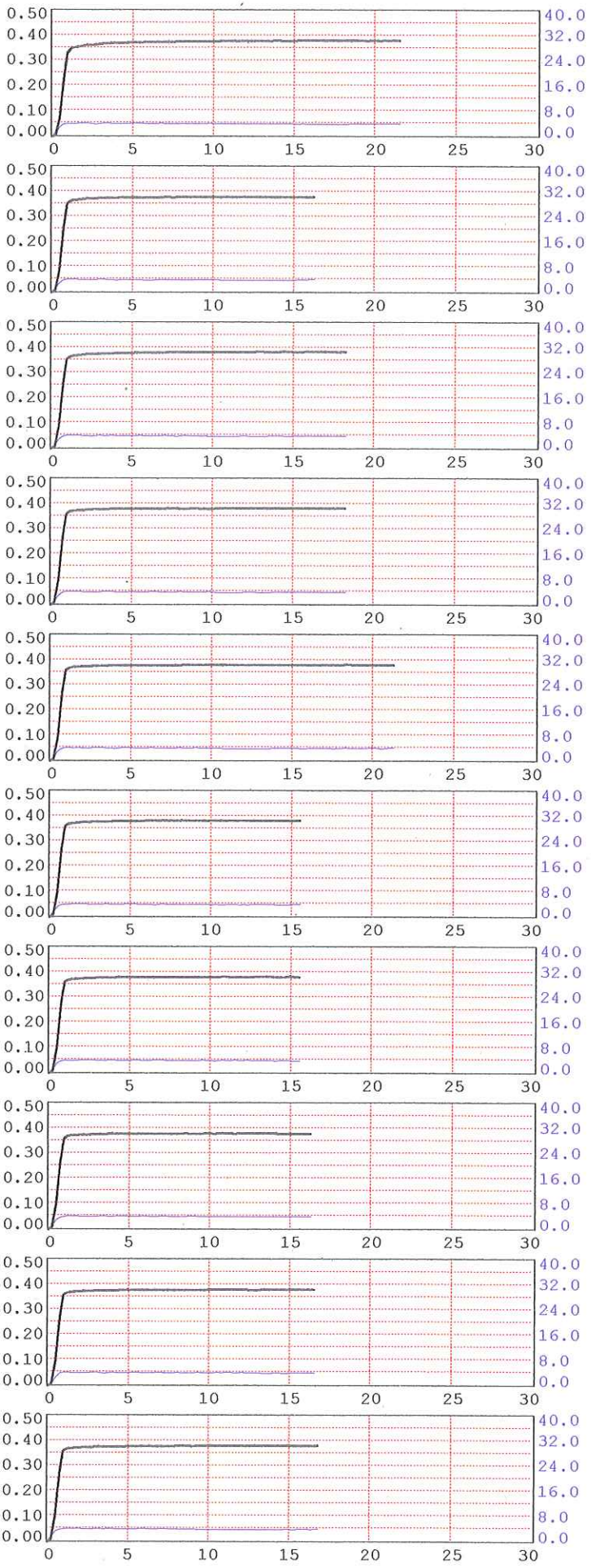
SOLUTION LOT #: 12-82-400
SOLUTION CONCENTRATION: 0.399

BLANK TEST	0.000	14:31
CALIBRATION CHECK	PASSED	14:32
SIMULATOR VAPOR 33.8°C	0.377	14:32
SIMULATOR VAPOR 33.9°C	0.375	14:33
SIMULATOR VAPOR 34.0°C	0.381	14:34
SIMULATOR VAPOR 33.9°C	0.378	14:35
SIMULATOR VAPOR 33.9°C	0.379	14:37
SIMULATOR VAPOR 33.9°C	0.379	14:38
SIMULATOR VAPOR 34.0°C	0.378	14:39
SIMULATOR VAPOR 33.7°C	0.376	14:40
SIMULATOR VAPOR 33.9°C	0.377	14:41
SIMULATOR VAPOR 33.7°C	0.376	14:42
BLANK TEST	0.000	14:43

Average = 0.377
Std Dev = 0.001

Solution >5% to target. Carry-over left in sim ports caused low readings. Reran OK

6/25/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 300386

Date: 06/18/2013
Time: 14:31:24

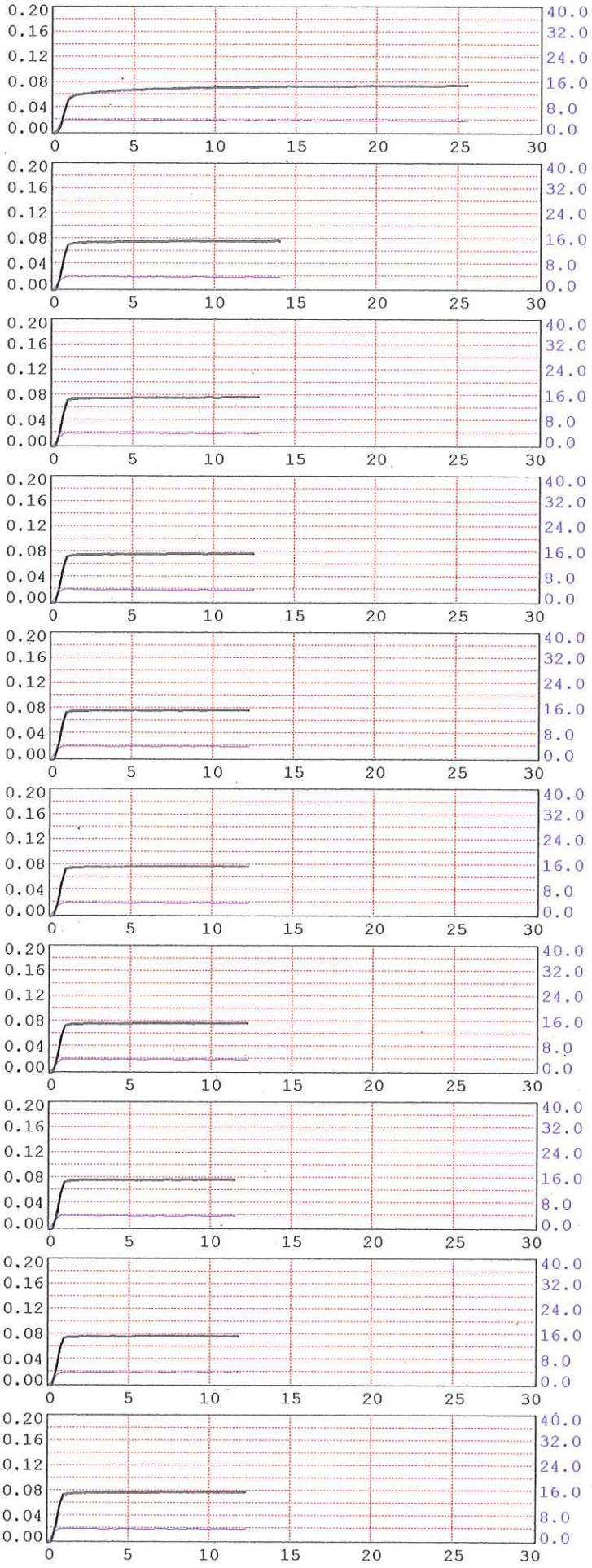
SUPERVISOR NAME:
RCD I SIX

SOLUTION LOT #: 13-05-08M4
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	14:32
CALIBRATION CHECK	PASSED	14:32
SIMULATOR VAPOR 34.0°C	0.076	14:32
SIMULATOR VAPOR 34.0°C	0.078	14:34
SIMULATOR VAPOR 33.9°C	0.078	14:35
SIMULATOR VAPOR 33.9°C	0.078	14:36
SIMULATOR VAPOR 33.9°C	0.078	14:37
SIMULATOR VAPOR 33.9°C	0.078	14:38
SIMULATOR VAPOR 33.9°C	0.078	14:39
SIMULATOR VAPOR 34.0°C	0.078	14:40
SIMULATOR VAPOR 33.9°C	0.078	14:41
SIMULATOR VAPOR 34.0°C	0.079	14:42
BLANK TEST	0.000	14:43

Average = 0.077
Std Dev = 0.000

Solution did not contain interferent.
RCD
6/20/13



ACCURACY & PRECISION REPORT

STATE OF VERMONT

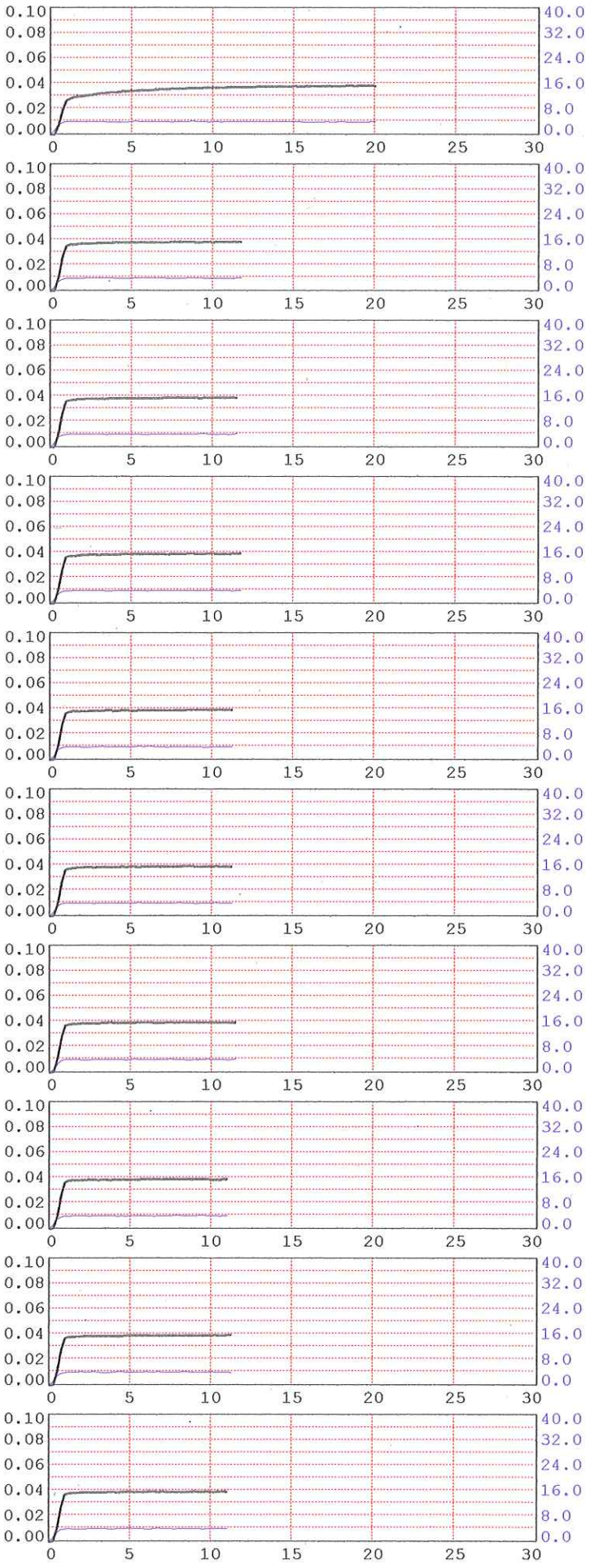
DataMater DMT: 300386

Date: 06/18/2013
Time: 13:54:40

SUPERVISOR NAME:
RCD I FOUR

SOLUTION LOT #: 13-06-04A1
SOLUTION CONCENTRATION: 0.039

BLANK TEST	0.000	13:55
CALIBRATION CHECK	PASSED	13:55
SIMULATOR VAPOR 33.9°C	0.039	13:56
SIMULATOR VAPOR 34.0°C	0.039	13:57
SIMULATOR VAPOR 33.9°C	0.039	13:58
SIMULATOR VAPOR 34.0°C	0.040	13:59
SIMULATOR VAPOR 33.9°C	0.040	14:00
SIMULATOR VAPOR 33.9°C	0.040	14:01
SIMULATOR VAPOR 34.0°C	0.040	14:02
SIMULATOR VAPOR 33.9°C	0.039	14:03
SIMULATOR VAPOR 33.9°C	0.039	14:04
SIMULATOR VAPOR 33.9°C	0.039	14:05
BLANK TEST	0.000	14:06

Average = 0.039
Std Dev = 0.000

Solution did not contain interferent
RCD
6/18/13