DATAMASTER DMT 104909

VERMONT DEPARTMENT OF HEALTH LABORATORY

PERFORMANCE TESTING RESULTS

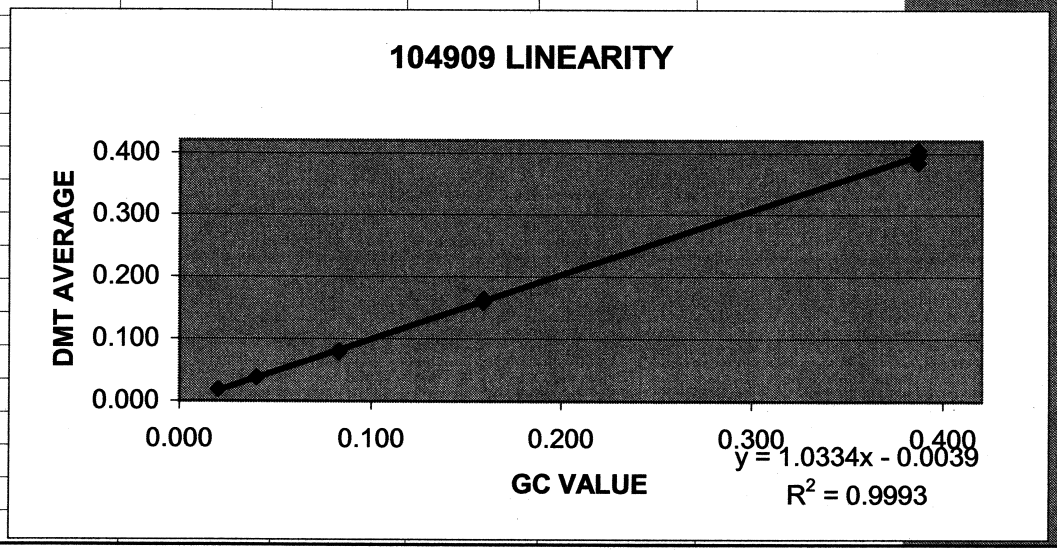
January 2010

Table of Contents

Section 1: Results	1-1 Thru 1-4
Section 2: NPAS Tests	2-1 Thru 2-14
Section 3: Power-Up Test	3-1 Thru 3-8
Section 4: Linearity	4-1 Thru 4-26
Section 5: Interference	5-1 Thru 5-8
Section 6: Low Level Accuracy	6-1 Thru 6-2
Section 7: Breath Volume	7-1 Thru 7-2
Section 8: Software Testing	8-1 Thru 8-2
Section 9: Error Reports	9-1 Thru 9-1
Section 10: Live Subject Tests	10-1 Thru 10-2
Section 11: Communication Notes	11-1 Thru 11-3

Section 1: Results

Operator	Date	Lot #	GC Value	DMT Result	Std Dev	% Recovery	
ALB	11/2/2009	10-14-400	0.387	0.398	0.0006	102.8	Outside 5%
		10-13-020	0.020	0.018	0.0005	90.0	Outside 10%
		09-43-080	0.083	0.079	0.0004	95.2	
		09-38-160	0.159	0.161	0.0004	101.3	
ALB	11/20/2009	09-43-080	0.083	0.081	0.0003	97.6	
		10-14-400	0.387	0.405	0.0021	104.7	
		09-38-160	0.159	0.164	0.0005	103.1	
		10-13-020	0.020	0.018	0.0004	90.0	
ALB	11/23/2009	10-13-020	0.020	0.018	0.0004	90.0	
		09-38-160	0.159	0.164	0.0000	103.1	
		10-14-400	0.387	0.398	0.0018	102.8	
		09-43-080	0.083	0.079	0.0004	95.2	
ALB	11/23/2009	09-43-080	0.083	0.080	0.0005	96.4	
		10-14-400	0.387	0.395	0.0004	102.1	
		09-38-160	0.159	0.161	0.0003	101.3	
		10-13-020	0.020	0.018	0.0005	90.0	
ALB	11/30/2009	09-38-160	0.159	0.158	0.0003	99.4	
		10-13-020	0.020	0.018	0.0004	90.0	
		09-43-080	0.083	0.078	0.0000	94.0	
		10-14-400	0.387	0.384	0.0005	99.2	
ALB	10/29/2009	09-27-040	0.040	0.038	0.0004	95.0	LOW LEVEL
				Average	0.0005	97.1	
				Std Dev	0.0005	5.28	
				Range	0.0000 - 0.0021	90.0 - 104.7	



Operator	Date	Concentration	Lot Number	DMT Result	Apparent EtOH	N = 10
ALB	10/09/09	0.04 MeOH in water	10-07-04M	INTERFERENCE	0.03	
ALB	10/09/09	0.01 Acetone in .08 EtOH	10-05-08A1	INTERFERENCE	0.08	
ALB	10/09/09	0.04 n-propanol in water	10-06-04I	INTERFERENCE	0.07	
ALB	10/09/09	0.04 IPA in water	10-16-04I	INTERFERENCE	0.04	
ALB	10/29/09	0.04 MeOH in .08 EtOH	10-10-08M4	INTERFERENCE	0.12	
ALB	10/29/09	0.02 Acetone in water	09-23-02A	INTERFERENCE	0.01	
ALB	10/29/09	0.02 Acetone in .08 EtOH	09-28-08A2	INTERFERENCE	0.09	
ALB	10/29/09	0.01 Acetone in water	10-08-01A	INTERFERENCE	< .01	
ALB	10/29/09	0.02 Acetone in .04 EtOH	09-13-04A2	INTERFERENCE	0.06	
ALB	10/29/09	0.01 Acetone in .04 EtOH	09-13-04A1	INTERFERENCE	0.05	
ALB	10/29/09	0.04 IPA in .08 EtOH	09-43-08I4	INTERFERENCE	0.13	

Section 2: NPAS Tests

National Patent
Analytical Systems, Inc.

Certificate of Calibration

104909
Instrument Serial Number

09220
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.

9-23-09
Date

Technician

OPTIONS PRINT OUT

DataMaster DMT: 104909
Location: ADDISON COUNTY SO
Calibration Date: 09/22/2009
Certification Date: 09/21/2009
Installation Date: 09/22/2009

VERMONT
DEPARTMENT OF HEALTH

```
Printer: yes
Number of Copies: 3
Number of Supervisor Tests: 10
Tolerance Check: yes
Data Collection: yes
Units: g/210L
Simulator Check: yes
Uses Wet Bath Simulator: yes
Simulator Nominal: 0.100
Digital Simulator: guth
Simulator Before: yes
Simulator Between: yes
Simulator After: no
Number of Subject Tests: 2
AskQuestions: yes
Query Refusal: yes
Alcohol Display: yes
Show Two Digits: no
Volume Display: yes
Number of Calibration Tests: 1
Calibrate with Wet Bath: yes
Calibration Nominal: 0.100
```

CALIBRATION REPORT

DataMaster DMT: 104909
Calibration Date: 09/22/2009
Calibrated by: T T T
Lot: 8765

VERMONT
DEPARTMENT OF HEALTH

Ca	= 0.100000		
CAL	= 1.018757	0.800 <= CAL <	1.200
b1	= 0.000000	0.000 <= b1 <	0.004
b2	= 0.002900	0.001 <= b2 <	0.012
b3	= 0.000000	0.000 <= b3 <	0.004
Xq	= 0.083893	0.050 <= Xq <	0.200
a21	= 1.194493	1.050 <= a21 <	1.300
a31	= 0.503018	0.300 <= a31 <	0.800

Performed by _____ **Date** 09/22/2009

CERTIFICATION REPORT

DataMaster DMT: 104909
Calibration Date: 09/22/2009
Certification Date: 09/22/2009
Certified by: T T T

VERMONT
DEPARTMENT OF HEALTH

Diagnostic Results

VERSIONS
DMT 1.03
PIC 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.15°C
Breath Tube = 47.03°C

SETTINGS
Lamp Voltage = 1.67 V
Cooler Voltage = 1.69 V
Bias Voltage = 80.7 V
Chopper Freq = 535.7 Hz

PUMP INFO
Flow Rate = 5.546 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.5345 0.5364
MIN(V) 0.5317 0.5345

FILTER INFO
Filter 1 0.536 Zero = true
Filter 2 0.701 Zero = true
Filter 3 0.427 Zero = true

CALIBRATION CHECK
Xq = 0.0765 0.57%

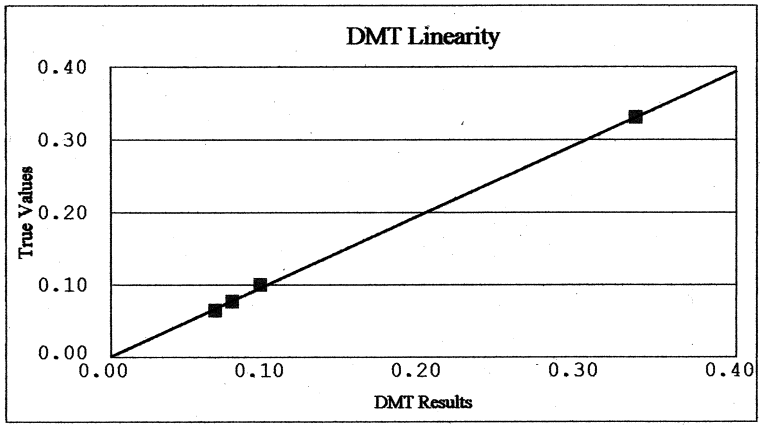
Options

Printer: yes
Number of Copies: 1
Number of Supervisor Tests: 5
Tolerance Check: no
Data Collection: yes
Units: g/210L
Simulator Check: no
Uses Wet Bath Simulator: yes
Simulator Nominal: 0.100
Digital Simulator: none
Simulator Before: yes
Simulator Between: yes
Simulator After: yes
Number of Subject Tests: 2
AskQuestions: yes
Query Refusal: yes
Alcohol Display: yes
Show Two Digits: no
Volume Display: yes
Number of Calibration Tests: 2
Calibrate with Wet Bath: yes
Calibration Nominal: 0.100

Linearity Check Results

True Value	Reported Average	Std Dev
0.065 g/210L	0.067 g/210L	0.001
Lot # 0987RE5		
0.077 g/210L	0.078 g/210L	0.000
Lot # 765438765		
0.100 g/210L	0.096 g/210L	0.001
Lot # 765478987		
0.330 g/210L	0.335 g/210L	0.001
Lot # 987545678		

$R^2 = 0.9995$



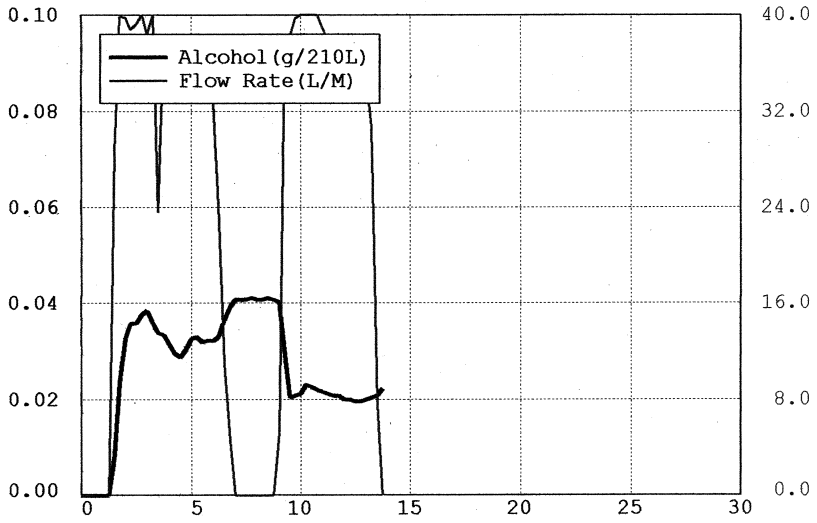
Acetone Interference Test

Lot # 8765E5

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

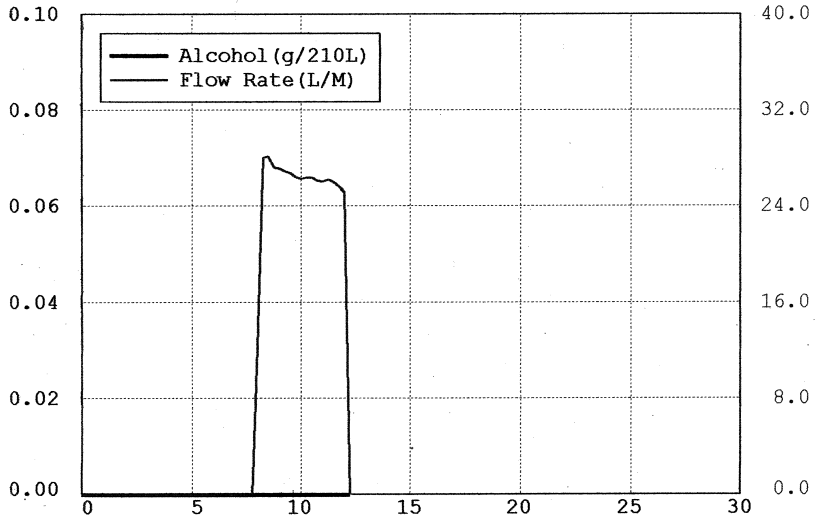


RF Interference Test

RFI detected

Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by _____ **Date** 09/22/2009

Reviewed by _____ **Date** _____

INSTALLATION REPORT

DataMaster DMT: 104909
Location: ADDISON COUNTY SO
Calibration Date: 09/22/2009
Certification Date: 09/21/2009
Installation Date: 09/22/2009
Installed By: T T T

VERMONT
DEPARTMENT OF HEALTH

Site meets specification in doc P-ALC-210

Diagnostic Results

VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.63°C
Breath Tube = 44.69°C

SETTINGS
Lamp Voltage = 1.76 V
Cooler Voltage = 1.64 V
Bias Voltage = 81.4 V
Chopper Freq = 534.2 Hz

PUMP INFO
Flow Rate = 5.732 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.4000 0.4012
MIN(V) 0.3971 0.3994

FILTER INFO
Filter 1 0.400 Zero = true
Filter 2 1.023 Zero = true
Filter 3 0.691 Zero = true

CALIBRATION CHECK
Xq = 0.0833 0.62%

INSTALLATION PASSED

Accuracy and Precision Check

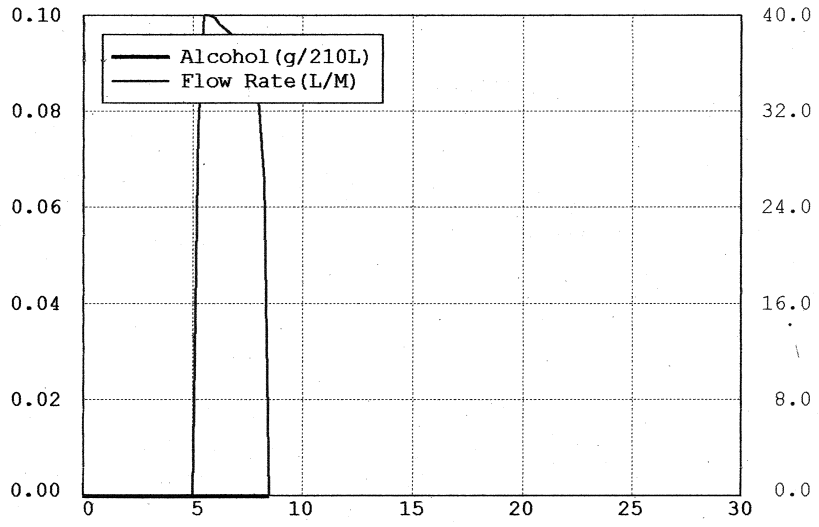
Concentration = 0.100 g/210L
Lot # = 98765
Average = 0.099 g/210L
Std Dev = 0.001

RFI Interference Test

RFI detected

Sample Acceptance Test

Passed



Performed by _____ **Date** 09/22/2009

Reviewed by _____ **Date** _____

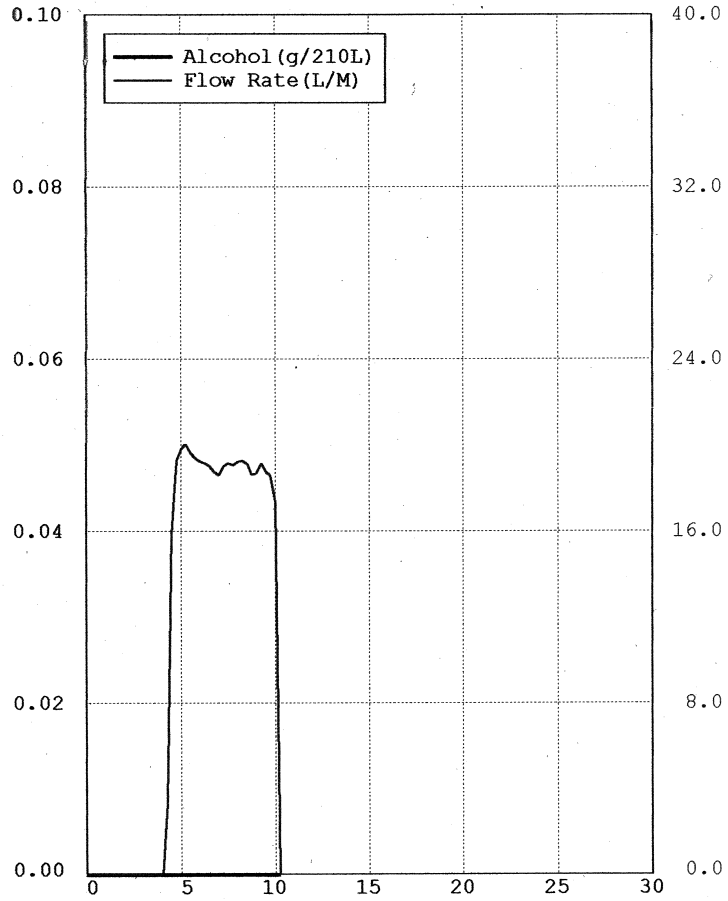
DUI Subject Test

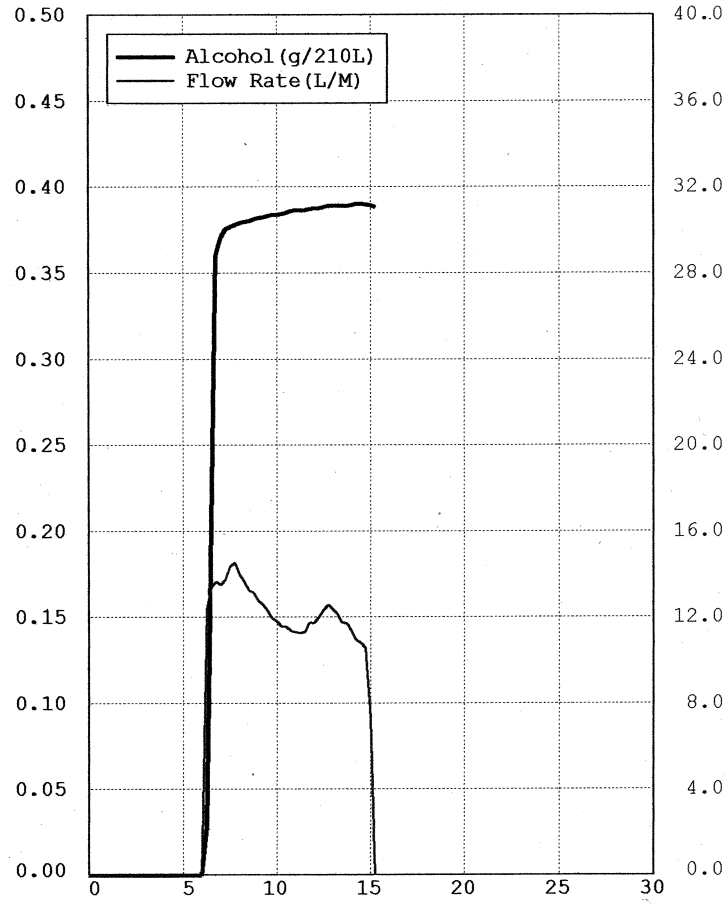
STATE OF VERMONT

DataMaster DMT: 104909
ADDISON COUNTY SO
Certification Date: 09/21/2009
Installation Date: 09/22/2009

Date: 09/23/2009
Time: 13:08:28

Obs. Period Start:		13:08
BLANK TEST	0.000	13:09
CALIBRATION CHECK	PASSED	13:09
Xq = 0.0841 (0.31%)		
SUBJECT SAMPLE (Vol=1.8L)	0.000	13:09
X[1] = 0.0000 (0.0000) (0.0000)		
BLANK TEST	0.000	13:10
CALIBRATION CHECK	PASSED	13:10
Xq = 0.0840 (0.21%)		
SUBJECT SAMPLE (Vol=1.8L)	0.390	13:11
X[1] = 0.3908 (-0.0009) (-0.0003)		





Check-In Confirmation Test

STATE OF VERMONT

DataMaster DMT: 104909
ADDISON COUNTY SO
Certification Date: 09/21/2009
Installation Date: 09/22/2009

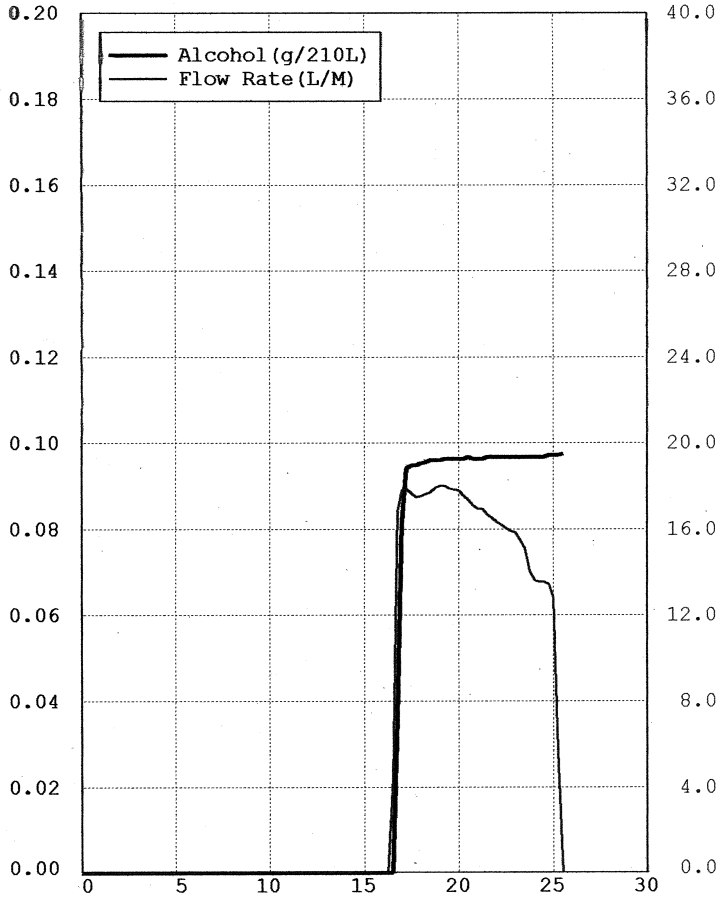
Date: 09/23/2009
Time: 08:45:44

Subject Name: T T T
Date of Birth: 09/09/1909 Age: 100
Gender: M
License #:

Test Operator Name: T T T
Agency: ADDISON COUNTY SO

BLANK TEST	0.000	08:46
CALIBRATION CHECK	PASSED	08:46
Xq = 0.0837 (0.21%)		
SIMULATOR VAPOR	0.099	08:47
X[1] = 0.0991 (-0.0001) (0.0001)		
BLANK TEST	0.000	08:47
SUBJECT SAMPLE (Vol=2.3L)	0.098	08:48
X[1] = 0.0984 (-0.0010) (-0.0005)		

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105



Check-In Confirmation Test

STATE OF VERMONT

DataMaster DMT: 104909
ADDISON COUNTY SO
Certification Date: 09/21/2009
Installation Date: 09/22/2009

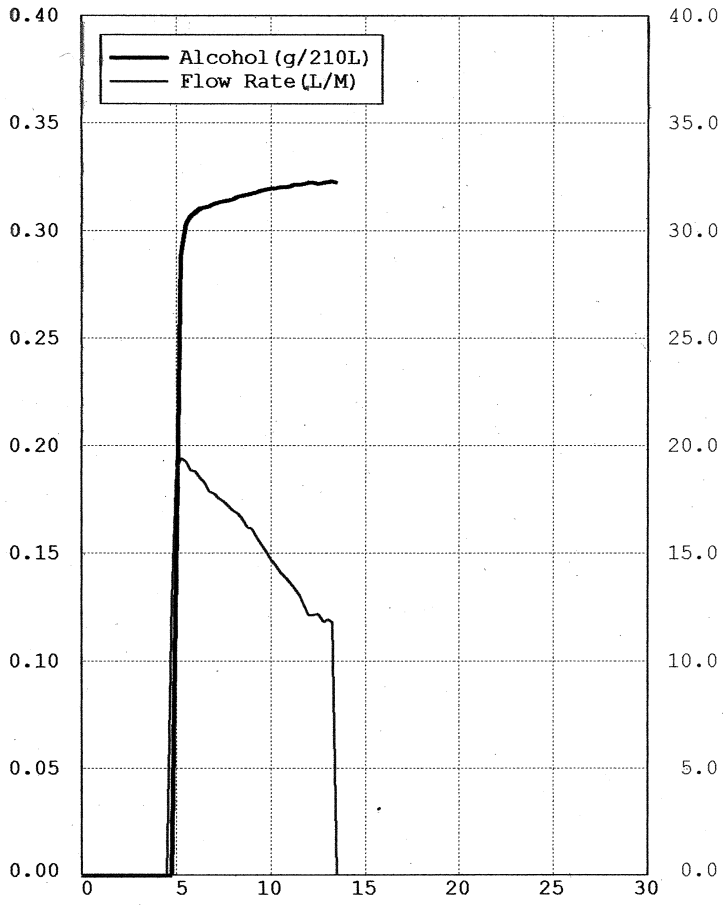
Date: 09/23/2009
Time: 08:49:19

Subject Name: T T T
Date of Birth: 09/09/1909 Age: 100
Gender: M
License #:

Test Operator Name: T T T
Agency: ADDISON COUNTY SO

BLANK TEST	0.000	08:50
CALIBRATION CHECK	PASSED	08:50
Xq = 0.0836 (0.31%)		
SIMULATOR VAPOR	0.099	08:50
X[1] = 0.0997 (0.0005) (-0.0003)		
BLANK TEST	0.000	08:51
SUBJECT SAMPLE (Vol=2.2L)	0.322	08:51
X[1] = 0.3228 (0.0005) (-0.0018)		

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105



DIAGNOSTIC RESULT

DataMaster DMT: 104909
Location: ADDISON COUNTY SO
Calibration Date: 09/22/2009
Certification Date: 09/21/2009
Installation Date: 09/22/2009
Test Date: 09/23/2009
Time: 13:05

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.80°C
Breath Tube    = 47.98°C

SETTINGS
Lamp Voltage   = 1.76 V
Cooler Voltage = 1.64 V
Bias Voltage   = 81.4 V
Chopper Freq   = 532.4 Hz

PUMP INFO
Flow Rate = 5.422 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.4179    0.4183
MIN(V)   0.4142    0.4165

FILTER INFO
Filter 1  0.416  Zero = true
Filter 2  1.040  Zero = true
Filter 3  0.702  Zero = true

CALIBRATION CHECK
Xq = 0.0834  0.52%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

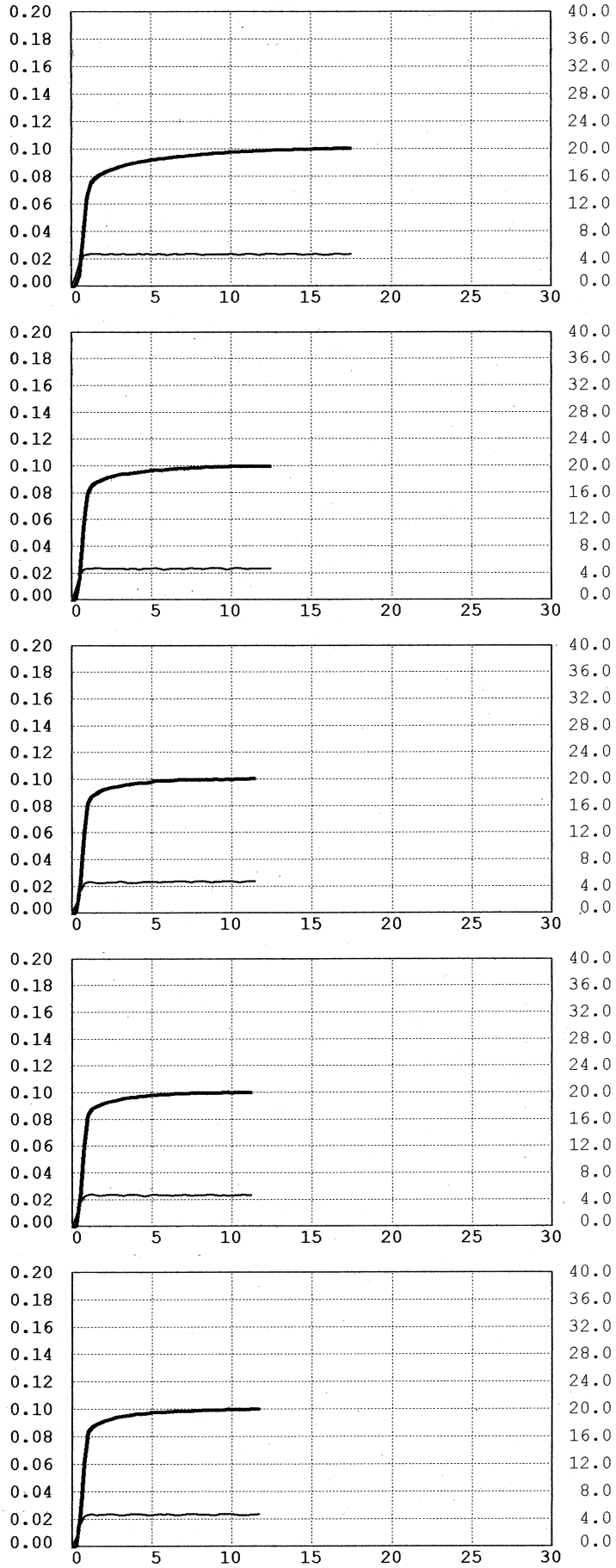
Date: 09/23/2009
Time: 08:36:06

SUPERVISOR NAME: T T T

SOLUTION LOT #: 3456Y7U
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	08:37
CALIBRATION CHECK	PASSED	08:37
Xq = 0.0834 (0.52%)		
SIMULATOR VAPOR	0.101	08:37
X[1] = 0.1010 (0.0009) (0.0003)		
SIMULATOR VAPOR	0.101	08:38
X[1] = 0.1010 (0.0006) (-0.0001)		
SIMULATOR VAPOR	0.101	08:39
X[1] = 0.1013 (0.0007) (-0.0004)		
SIMULATOR VAPOR	0.101	08:40
X[1] = 0.1011 (0.0006) (-0.0005)		
SIMULATOR VAPOR	0.101	08:41
X[1] = 0.1012 (0.0010) (-0.0007)		
BLANK TEST	0.000	08:42

Average = 0.101
Std Dev = 0.0000



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

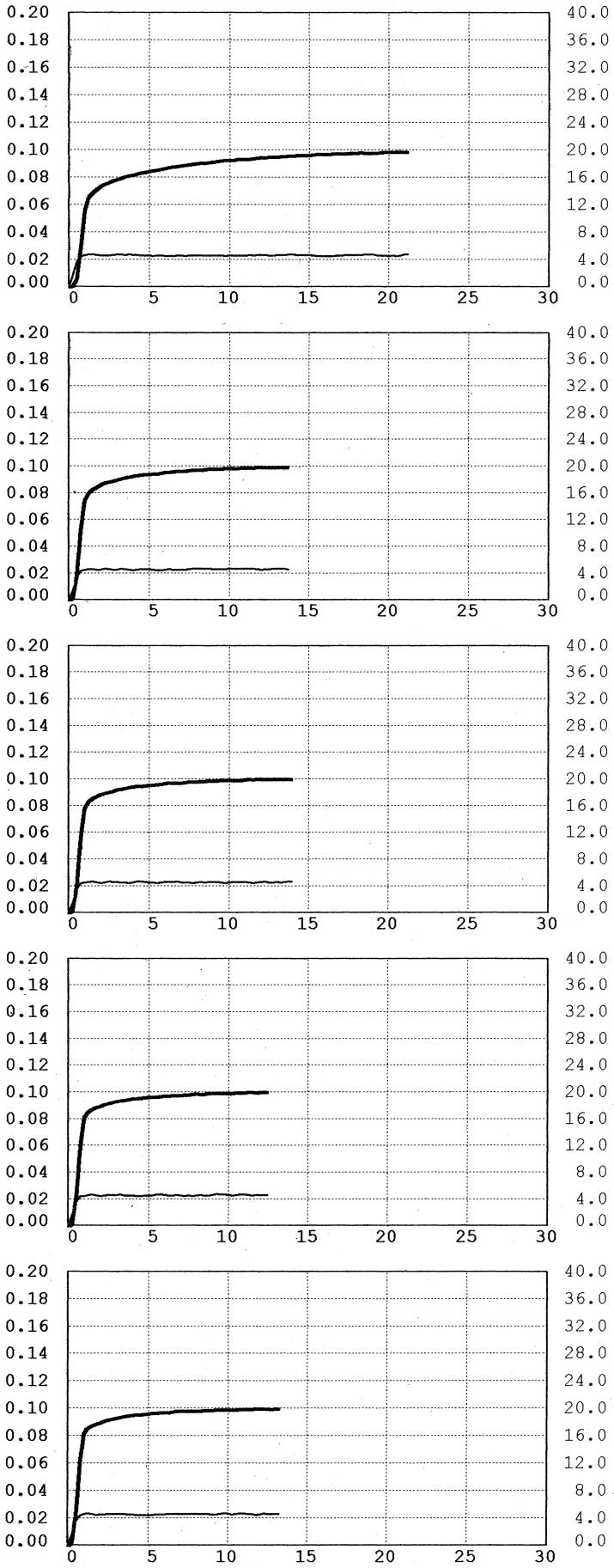
Date: 09/23/2009
Time: 12:47:08

SUPERVISOR NAME: JHKLO J HJOL

SOLUTION LOT #: HUIORGVWE
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	12:48
CALIBRATION CHECK	PASSED	12:48
Xq = 0.0832 (0.73%)		
SIMULATOR VAPOR	0.099	12:48
X[1] = 0.0990 (0.0012) (-0.0011)		
SIMULATOR VAPOR	0.099	12:49
X[1] = 0.0999 (0.0005) (-0.0015)		
SIMULATOR VAPOR	0.100	12:50
X[1] = 0.1004 (0.0000) (-0.0010)		
SIMULATOR VAPOR	0.100	12:51
X[1] = 0.1001 (0.0002) (-0.0010)		
SIMULATOR VAPOR	0.100	12:52
X[1] = 0.1004 (0.0008) (-0.0005)		
BLANK TEST	0.000	12:53

Average = 0.099
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

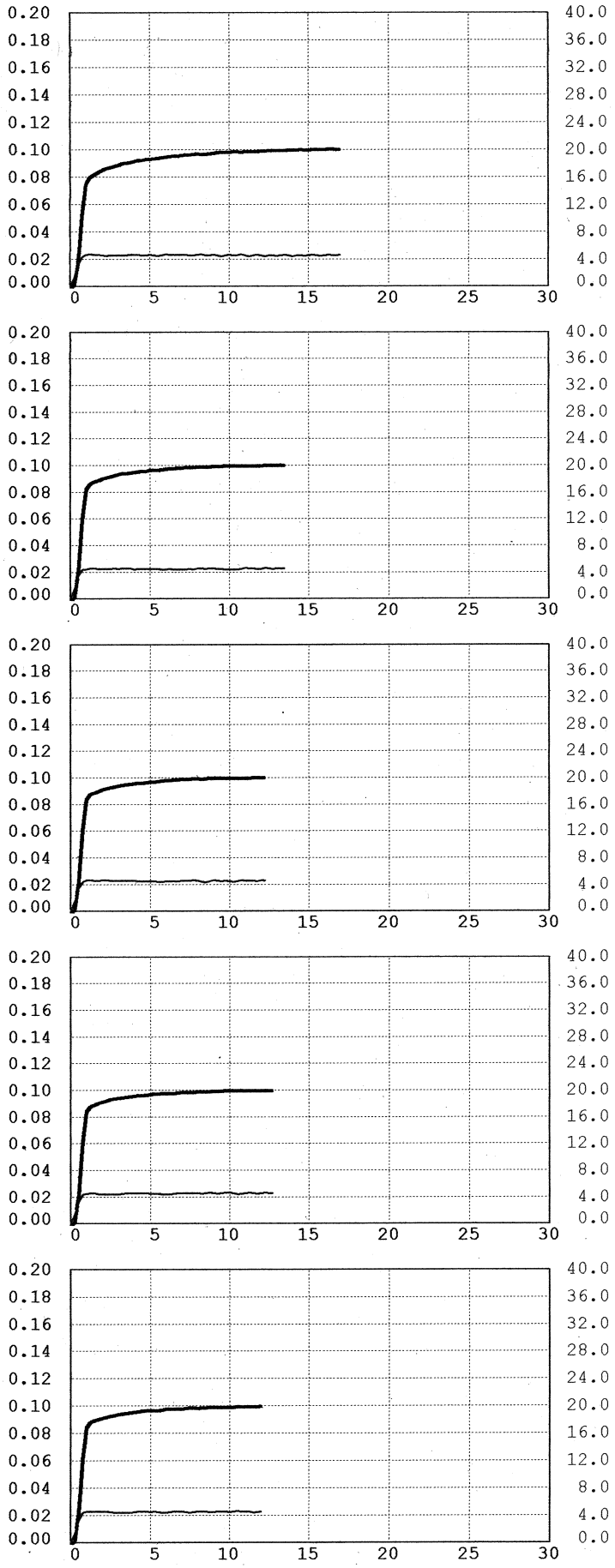
Date: 09/23/2009
Time: 12:55:15

SUPERVISOR NAME: J M K

SOLUTION LOT #: HU9OFVWER
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	12:56
CALIBRATION CHECK	PASSED	12:56
Xq = 0.0832 (0.73%)		
SIMULATOR VAPOR	0.100	12:56
X[1] = 0.1008 (0.0004) (-0.0008)		
SIMULATOR VAPOR	0.100	12:57
X[1] = 0.1009 (0.0006) (-0.0010)		
SIMULATOR VAPOR	0.100	12:58
X[1] = 0.1006 (0.0004) (-0.0006)		
SIMULATOR VAPOR	0.100	12:59
X[1] = 0.1005 (0.0003) (0.0000)		
SIMULATOR VAPOR	0.100	13:00
X[1] = 0.1003 (0.0000) (0.0001)		
BLANK TEST	0.000	13:01

Average = 0.100
Std Dev = 0.0000



Section 3: Power-Up Tests

CALIBRATION REPORT

DataMaster DMT: 104909
Calibration Date: 10/08/2009
Calibrated by: A L B
Lot: 10-02-100

VERMONT
DEPARTMENT OF HEALTH

Ca	= 0.101000		
CAL	= 1.046335	0.800 <= CAL <	1.200
b1	= 0.000000	0.000 <= b1 <	0.004
b2	= 0.002560	0.001 <= b2 <	0.012
b3	= 0.000000	0.000 <= b3 <	0.004
Xq	= 0.083720	0.050 <= Xq <	0.200
a21	= 1.205245	1.050 <= a21 <	1.300
a31	= 0.498669	0.300 <= a31 <	0.800

Performed by _____ **Date** 10/08/2009

CERTIFICATION REPORT

DataMaster DMT: 104909
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Certified by: A L B

VERMONT
DEPARTMENT OF HEALTH

Diagnostic Results

VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.80°C
Breath Tube = 47.69°C

SETTINGS
Lamp Voltage = 1.76 V
Cooler Voltage = 1.77 V
Bias Voltage = 81.4 V
Chopper Freq = 536.0 Hz

PUMP INFO
Flow Rate = 5.742 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0467	0.0502
MIN(V)	0.0455	0.0488

FILTER INFO
Filter 1 0.049 Zero = true
Filter 2 0.722 Zero = true
Filter 3 0.373 Zero = true

CALIBRATION CHECK
Xq = 0.0838 0.21%

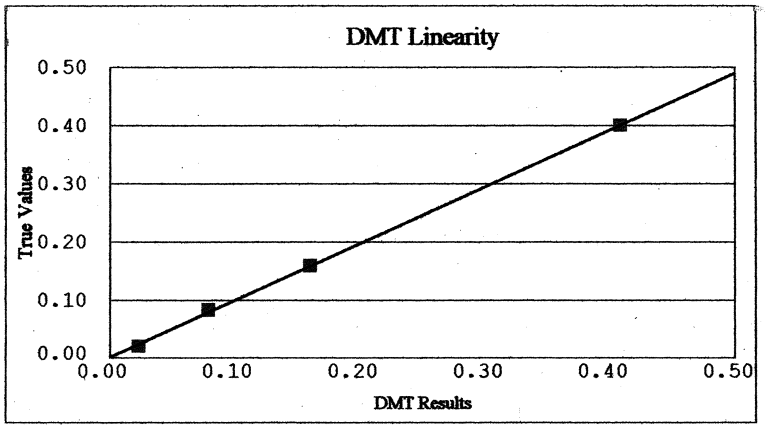
Options

Printer: yes
Number of Copies: 1
Number of Supervisor Tests: 10
Tolerance Check: yes
Data Collection: yes
Units: g/210L
Simulator Check: yes
Uses Wet Bath Simulator: yes
Simulator Nominal: 0.101
Digital Simulator: none
Simulator Before: yes
Simulator Between: yes
Simulator After: no
Number of Subject Tests: 2
AskQuestions: yes
Query Refusal: yes
Alcohol Display: yes
Show Two Digits: no
Volume Display: yes
Number of Calibration Tests: 1
Calibrate with Wet Bath: yes
Calibration Nominal: 0.100

Linearity Check Results

True Value	Reported Average	Std Dev
0.021 g/210L	0.023 g/210L	0.001
Lot # 09-34-020		
0.083 g/210L	0.079 g/210L	0.000
Lot # 09-43-080		
0.159 g/210L	0.160 g/210L	0.000
Lot # 09-38-160		
0.400 g/210L	0.408 g/210L	0.001
Lot # NOMINAL		

$R^2 = 0.9997$



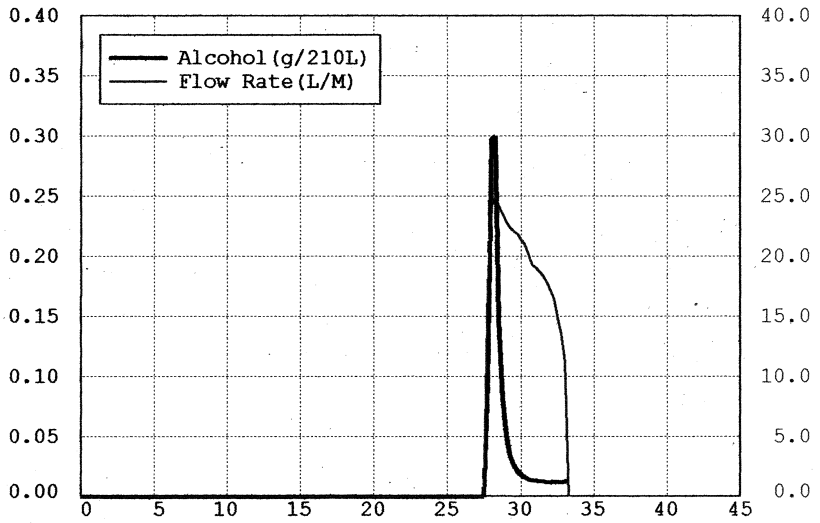
Acetone Interference Test

Lot # 10-05-08A1

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

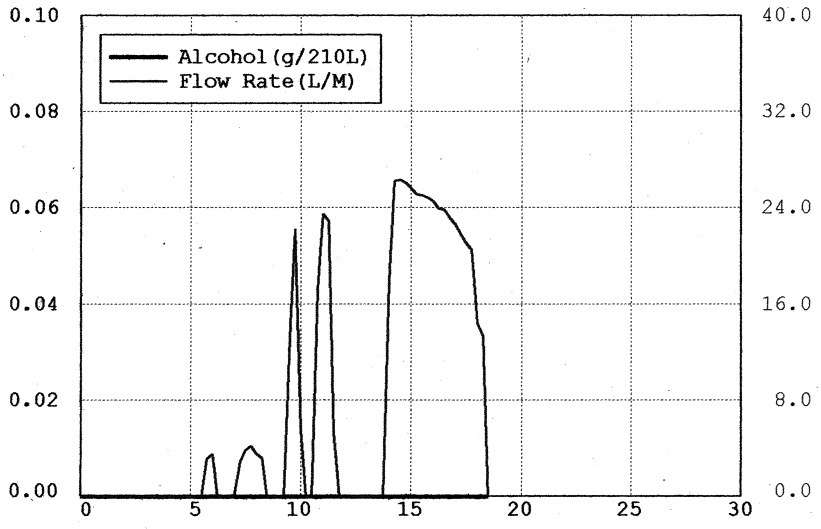


RF Interference Test

RFI detected

Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by _____ **Date** 10/09/2009

Reviewed by _____ **Date** _____

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

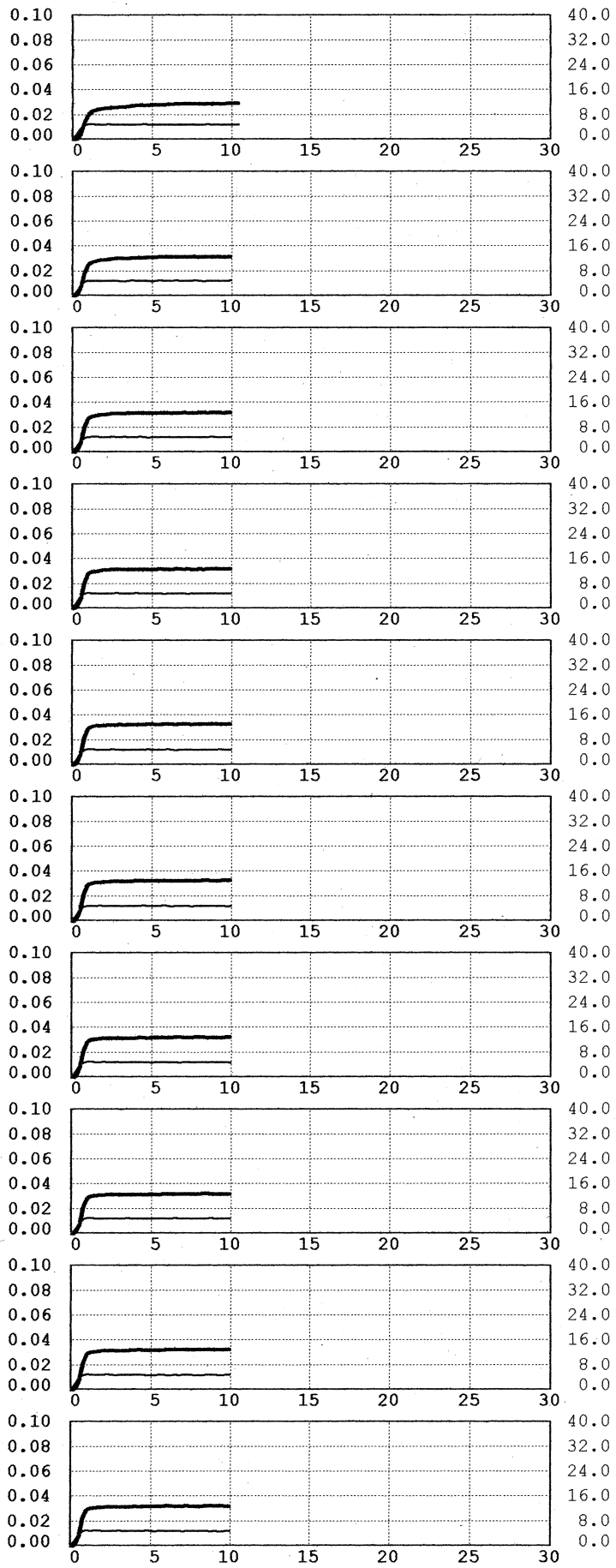
Date: 10/09/2009
Time: 11:06:58

SUPERVISOR NAME: ALB MEOH IN H2O

SOLUTION LOT #: 10-07-04M
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	11:07
CALIBRATION CHECK	PASSED	11:08
SIMULATOR VAPOR	INTERFERENCE	11:08
SIMULATOR VAPOR	INTERFERENCE	11:09
SIMULATOR VAPOR	INTERFERENCE	11:10
SIMULATOR VAPOR	INTERFERENCE	11:11
SIMULATOR VAPOR	INTERFERENCE	11:12
SIMULATOR VAPOR	INTERFERENCE	11:13
SIMULATOR VAPOR	INTERFERENCE	11:14
SIMULATOR VAPOR	INTERFERENCE	11:15
SIMULATOR VAPOR	INTERFERENCE	11:16
SIMULATOR VAPOR	INTERFERENCE	11:17
BLANK TEST	0.000	11:17

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

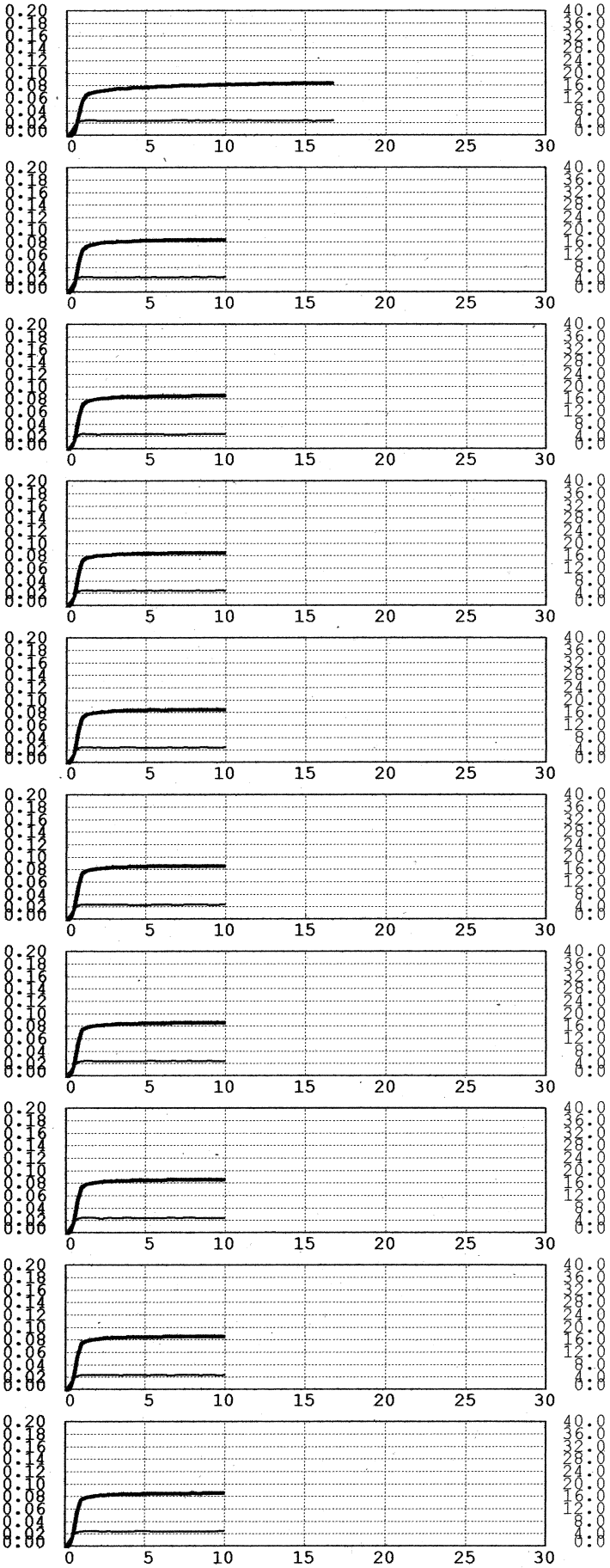
Date: 10/09/2009
Time: 13:40:34

SUPERVISOR NAME: ALB .01ACETONE IN .08ETOH

SOLUTION LOT #: 10-05-08A1
SOLUTION CONCENTRATION: 0.079

BLANK TEST	0.000	13:41
CALIBRATION CHECK	PASSED	13:41
SIMULATOR VAPOR	INTERFERENCE	13:42
SIMULATOR VAPOR	INTERFERENCE	13:43
SIMULATOR VAPOR	INTERFERENCE	13:43
SIMULATOR VAPOR	INTERFERENCE	13:44
SIMULATOR VAPOR	INTERFERENCE	13:45
SIMULATOR VAPOR	INTERFERENCE	13:46
SIMULATOR VAPOR	INTERFERENCE	13:47
SIMULATOR VAPOR	INTERFERENCE	13:48
SIMULATOR VAPOR	INTERFERENCE	13:49
SIMULATOR VAPOR	INTERFERENCE	13:50
BLANK TEST	0.000	13:51

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

Date: 10/09/2009
Time: 13:55:42

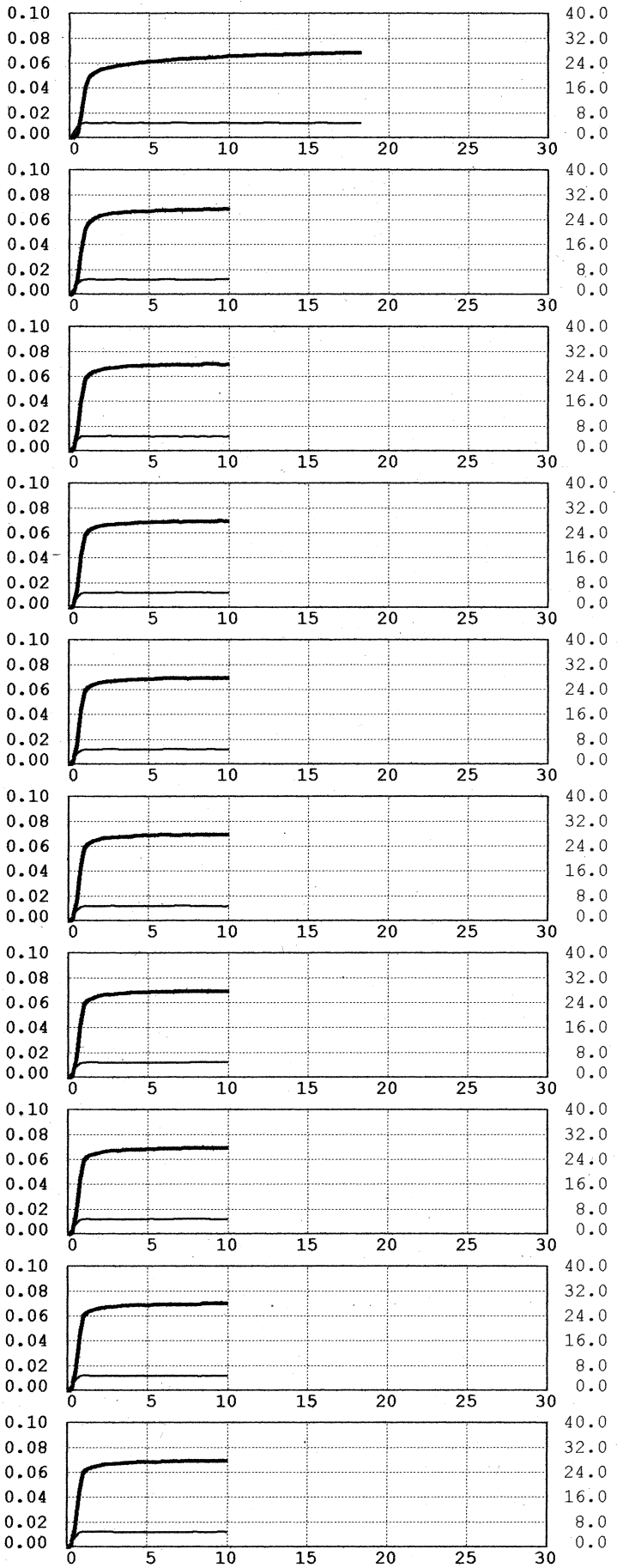
n-propanol

SUPERVISOR NAME: ALB ~~IPA~~ IN H20

SOLUTION LOT #: 10-06-04I
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	13:56
CALIBRATION CHECK	PASSED	13:56
SIMULATOR VAPOR	INTERFERENCE	13:57
SIMULATOR VAPOR	INTERFERENCE	13:58
SIMULATOR VAPOR	INTERFERENCE	13:59
SIMULATOR VAPOR	INTERFERENCE	14:00
SIMULATOR VAPOR	INTERFERENCE	14:01
SIMULATOR VAPOR	INTERFERENCE	14:02
SIMULATOR VAPOR	INTERFERENCE	14:03
SIMULATOR VAPOR	INTERFERENCE	14:04
SIMULATOR VAPOR	INTERFERENCE	14:05
SIMULATOR VAPOR	INTERFERENCE	14:06
BLANK TEST	0.000	14:06

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

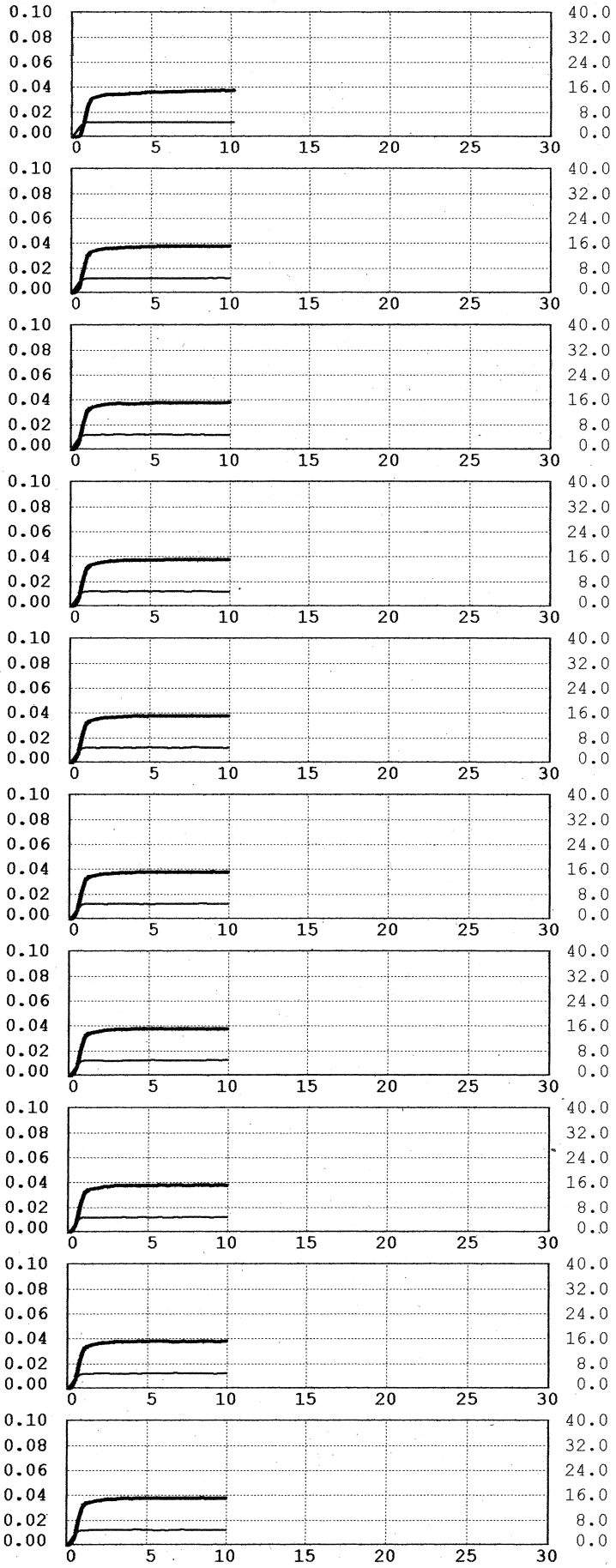
DataMaster DMT: 104909

Date: 10/21/2009
Time: 14:08:47

SUPERVISOR NAME: ALB .04IPA IN H2O

SOLUTION LOT #: 10-16-04I
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	14:09
CALIBRATION CHECK	PASSED	14:09
SIMULATOR VAPOR	INTERFERENCE	14:10
SIMULATOR VAPOR	INTERFERENCE	14:11
SIMULATOR VAPOR	INTERFERENCE	14:12
SIMULATOR VAPOR	INTERFERENCE	14:13
SIMULATOR VAPOR	INTERFERENCE	14:14
SIMULATOR VAPOR	INTERFERENCE	14:15
SIMULATOR VAPOR	INTERFERENCE	14:16
SIMULATOR VAPOR	INTERFERENCE	14:16
SIMULATOR VAPOR	INTERFERENCE	14:17
SIMULATOR VAPOR	INTERFERENCE	14:18
BLANK TEST	0.000	14:19



Section 4: Linearity

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

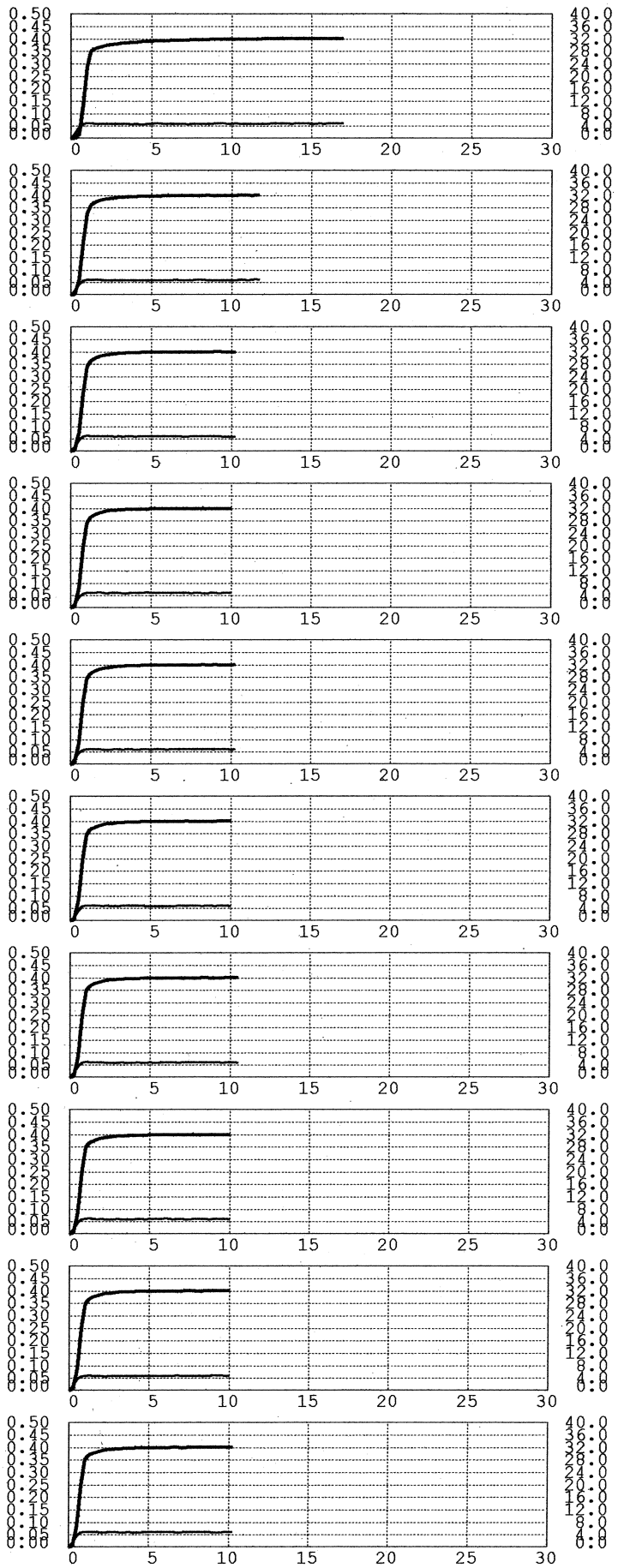
Date: 11/02/2009
Time: 13:49:04

SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-14-400
SOLUTION CONCENTRATION: 0.387

BLANK TEST	0.000	13:49
CALIBRATION CHECK	PASSED	13:50
SIMULATOR VAPOR	0.399	13:50
SIMULATOR VAPOR	0.398	13:51
SIMULATOR VAPOR	0.399	13:52
SIMULATOR VAPOR	0.398	13:53
SIMULATOR VAPOR	0.398	13:54
SIMULATOR VAPOR	0.397	13:55
SIMULATOR VAPOR	0.398	13:56
SIMULATOR VAPOR	0.398	13:57
SIMULATOR VAPOR	0.398	13:58
SIMULATOR VAPOR	0.399	13:59
BLANK TEST	0.000	14:00

Average = 0.398
Std Dev = 0.0006



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

Date: 11/02/2009
Time: 14:16:33

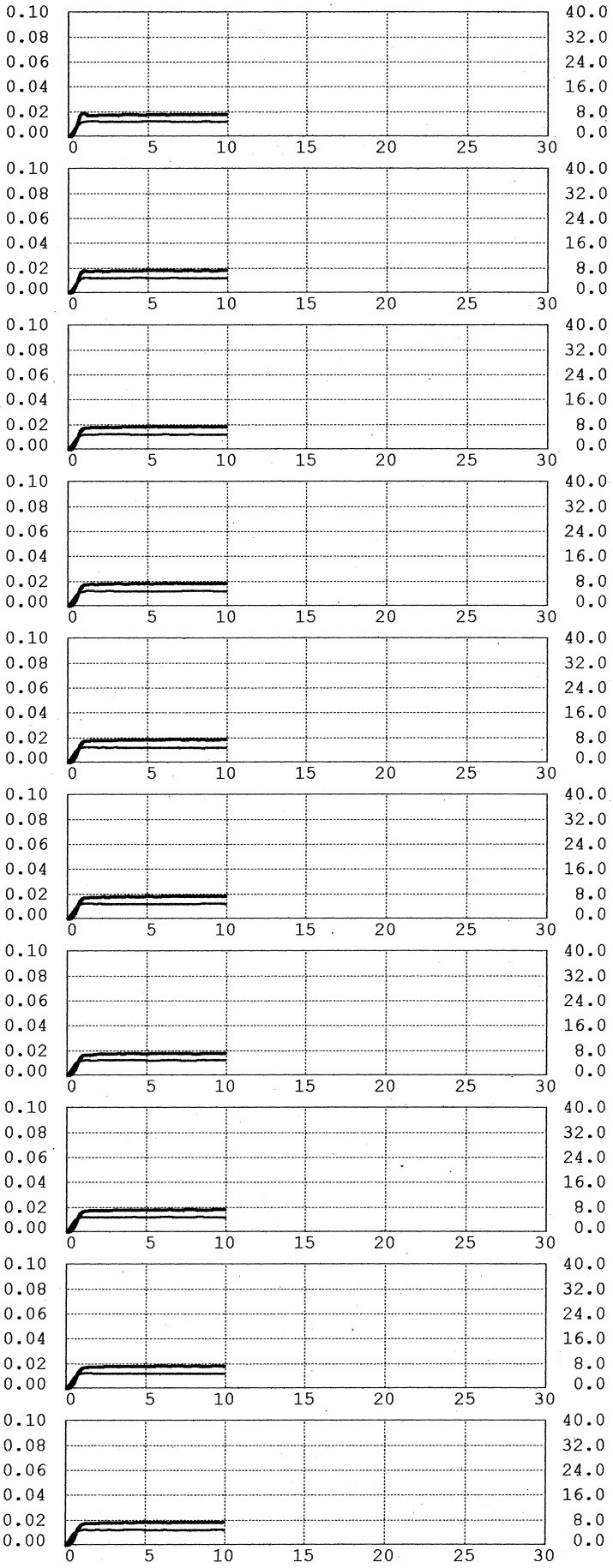
SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-13-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	14:17
CALIBRATION CHECK	PASSED	14:17
SIMULATOR VAPOR	0.018	14:17
SIMULATOR VAPOR	0.018	14:18
SIMULATOR VAPOR	0.019	14:19
SIMULATOR VAPOR	0.019	14:20
SIMULATOR VAPOR	0.019	14:21
SIMULATOR VAPOR	0.019	14:22
SIMULATOR VAPOR	0.018	14:23
SIMULATOR VAPOR	0.018	14:24
SIMULATOR VAPOR	0.018	14:25
SIMULATOR VAPOR	0.018	14:26
BLANK TEST	0.000	14:27

Average out of range!

Average = 0.018
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

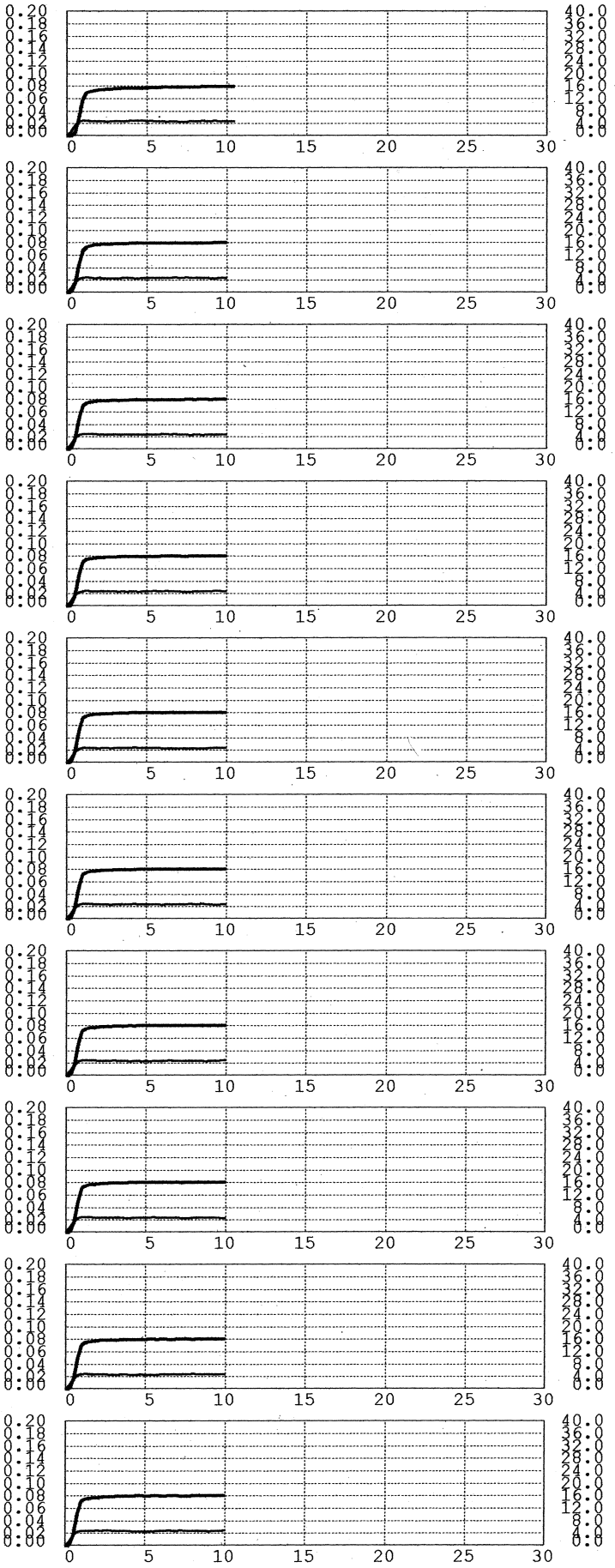
Date: 11/02/2009
Time: 14:32:30

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-43-080
SOLUTION CONCENTRATION: 0.083

BLANK TEST	0.000	14:33
CALIBRATION CHECK	PASSED	14:33
SIMULATOR VAPOR	0.079	14:33
SIMULATOR VAPOR	0.079	14:34
SIMULATOR VAPOR	0.080	14:35
SIMULATOR VAPOR	0.080	14:36
SIMULATOR VAPOR	0.080	14:37
SIMULATOR VAPOR	0.080	14:38
SIMULATOR VAPOR	0.080	14:39
SIMULATOR VAPOR	0.080	14:40
SIMULATOR VAPOR	0.080	14:41
SIMULATOR VAPOR	0.080	14:42
BLANK TEST	0.000	14:43

Average = 0.079
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

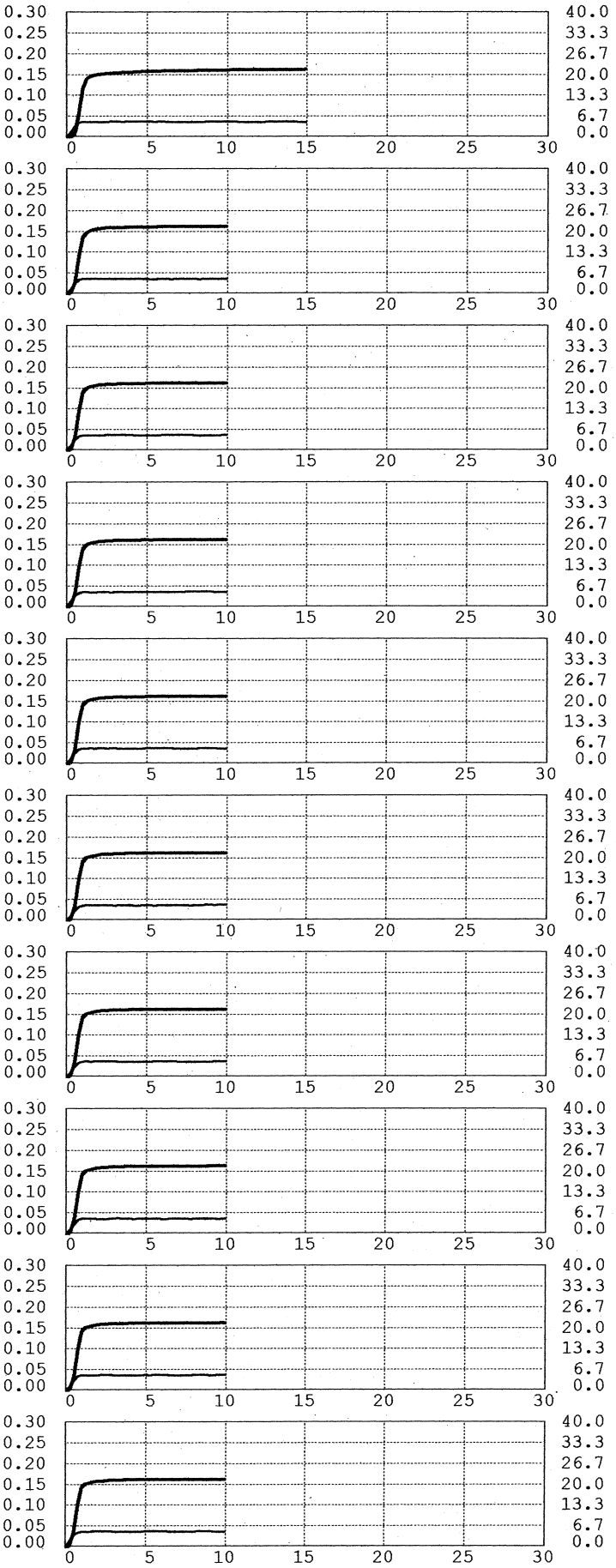
Date: 11/02/2009
Time: 14:46:06

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-38-160
SOLUTION CONCENTRATION: 0.159

BLANK TEST	0.000	14:47
CALIBRATION CHECK	PASSED	14:47
SIMULATOR VAPOR	0.161	14:47
SIMULATOR VAPOR	0.161	14:48
SIMULATOR VAPOR	0.161	14:49
SIMULATOR VAPOR	0.161	14:50
SIMULATOR VAPOR	0.161	14:51
SIMULATOR VAPOR	0.161	14:52
SIMULATOR VAPOR	0.161	14:53
SIMULATOR VAPOR	0.162	14:54
SIMULATOR VAPOR	0.162	14:55
SIMULATOR VAPOR	0.162	14:56
BLANK TEST	0.000	14:57

Average = 0.161
Std Dev = 0.0004



DIAGNOSTIC RESULT

DataMaster DMT: 104909
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/20/2009
Time: 08:34

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.80°C
Breath Tube    = 48.06°C

SETTINGS
Lamp Voltage   = 1.76 V
Cooler Voltage = 1.77 V
Bias Voltage   = 81.4 V
Chopper Freq   = 539.0 Hz

PUMP INFO
Flow Rate = 5.610 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.1299    0.1309
MIN(V)   0.1282    0.1289

FILTER INFO
Filter 1  0.130  Zero = true
Filter 2  0.794  Zero = true
Filter 3  0.467  Zero = true

CALIBRATION CHECK
Xq = 0.0835  0.21%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

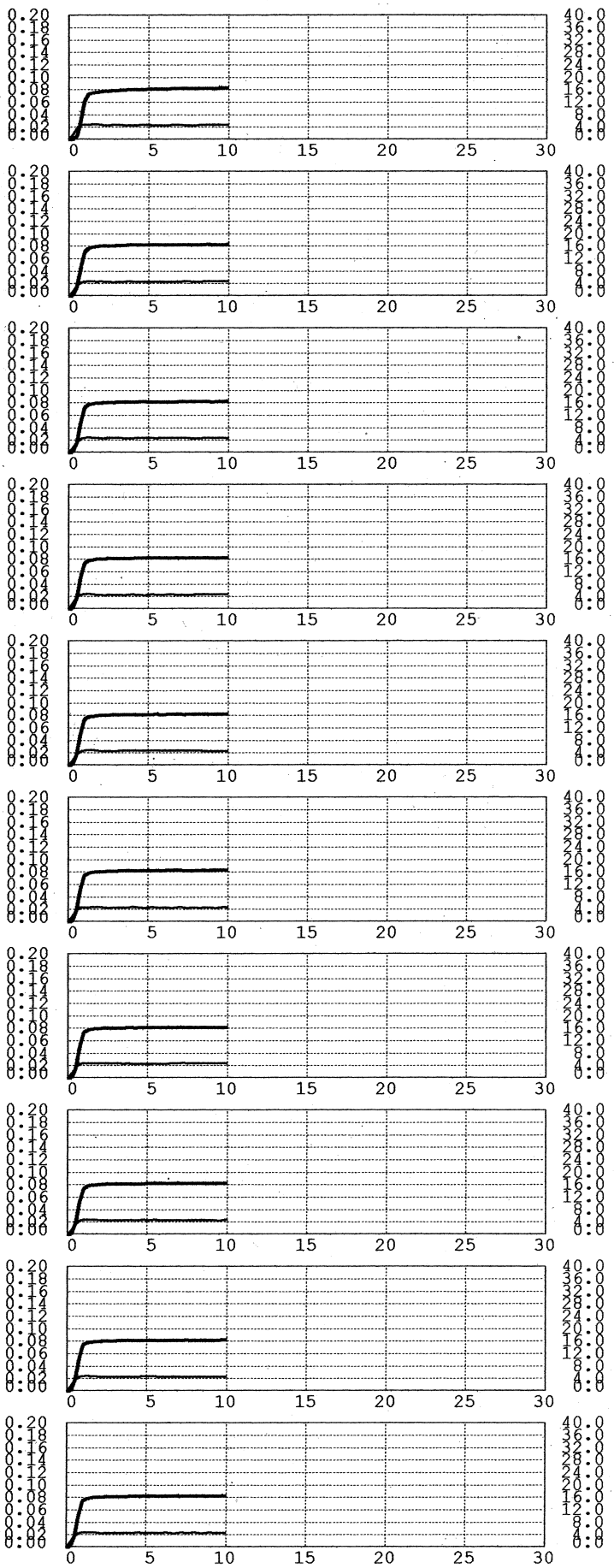
Date: 11/20/2009
Time: 08:35:55

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-43-080
SOLUTION CONCENTRATION: 0.083

BLANK TEST	0.000	08:36
CALIBRATION CHECK	PASSED	08:36
SIMULATOR VAPOR	0.082	08:37
SIMULATOR VAPOR	0.082	08:38
SIMULATOR VAPOR	0.082	08:39
SIMULATOR VAPOR	0.082	08:40
SIMULATOR VAPOR	0.082	08:41
SIMULATOR VAPOR	0.082	08:42
SIMULATOR VAPOR	0.081	08:43
SIMULATOR VAPOR	0.082	08:44
SIMULATOR VAPOR	0.082	08:45
SIMULATOR VAPOR	0.082	08:46
BLANK TEST	0.000	08:46

Average = 0.081
Std Dev = 0.0003



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

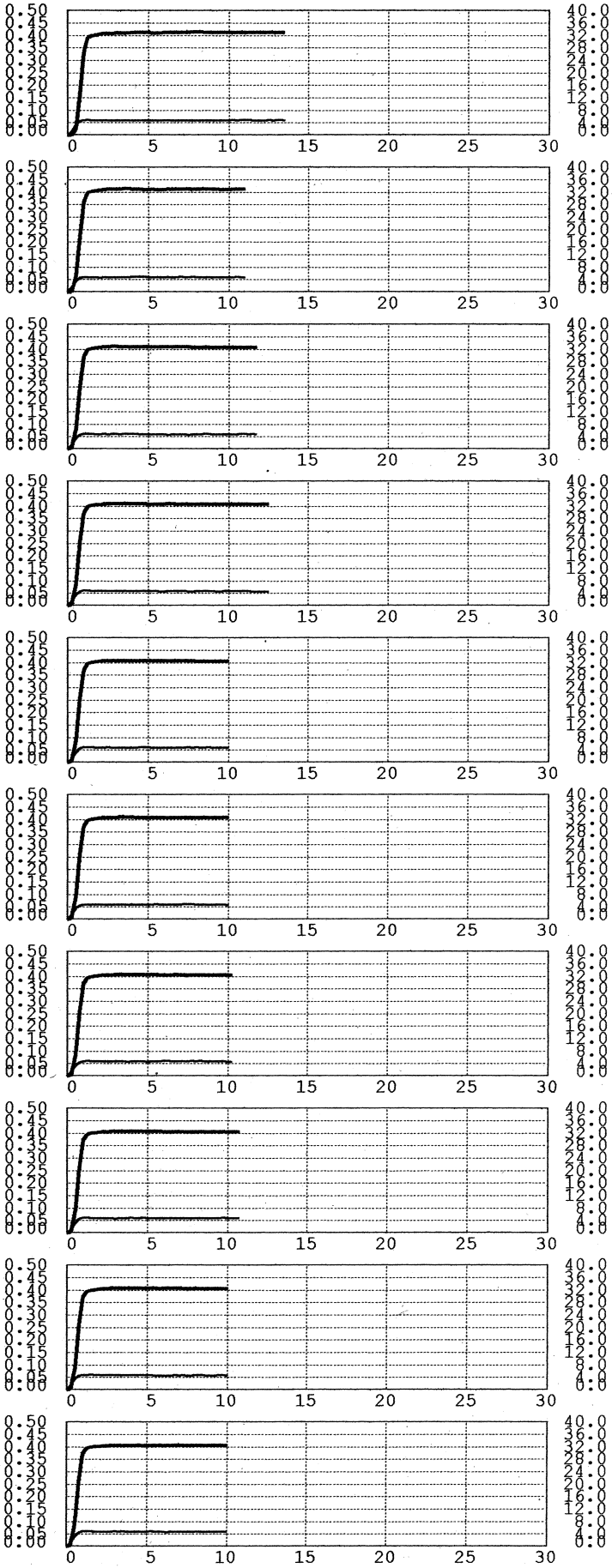
Date: 11/20/2009
Time: 08:51:07

SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-14-400
SOLUTION CONCENTRATION: 0.387

BLANK TEST	0.000	08:52
CALIBRATION CHECK	PASSED	08:52
SIMULATOR VAPOR	0.410	08:52
SIMULATOR VAPOR	0.409	08:53
SIMULATOR VAPOR	0.407	08:55
SIMULATOR VAPOR	0.405	08:56
SIMULATOR VAPOR	0.405	08:57
SIMULATOR VAPOR	0.406	08:58
SIMULATOR VAPOR	0.404	08:59
SIMULATOR VAPOR	0.405	09:00
SIMULATOR VAPOR	0.404	09:01
SIMULATOR VAPOR	0.404	09:02
BLANK TEST	0.000	09:02

Average = 0.405
Std Dev = 0.0021



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

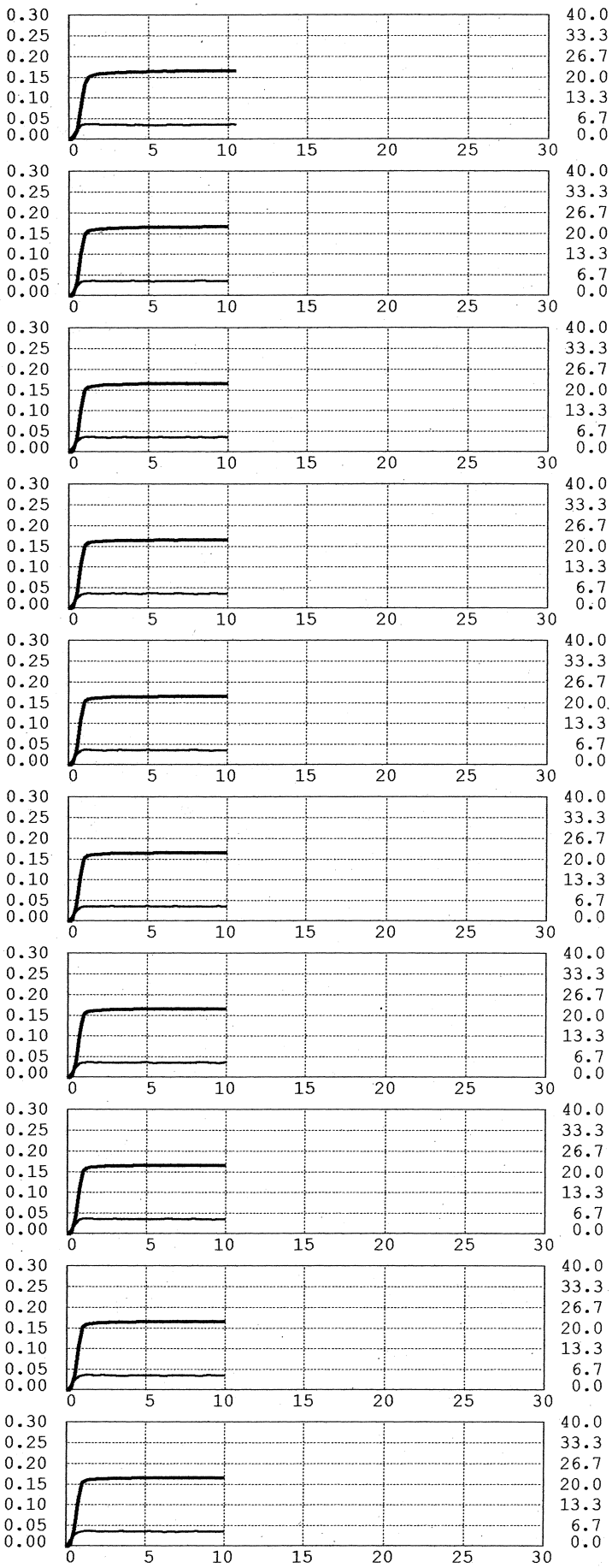
Date: 11/20/2009
Time: 09:05:30

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-38-160
SOLUTION CONCENTRATION: 0.159

BLANK TEST	0.000	09:06
CALIBRATION CHECK	PASSED	09:06
SIMULATOR VAPOR	0.165	09:06
SIMULATOR VAPOR	0.165	09:08
SIMULATOR VAPOR	0.165	09:09
SIMULATOR VAPOR	0.165	09:10
SIMULATOR VAPOR	0.164	09:11
SIMULATOR VAPOR	0.164	09:12
SIMULATOR VAPOR	0.164	09:13
SIMULATOR VAPOR	0.165	09:14
SIMULATOR VAPOR	0.164	09:15
SIMULATOR VAPOR	0.164	09:16
BLANK TEST	0.000	09:17

Average = 0.164
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

Date: 11/20/2009
Time: 09:46:15

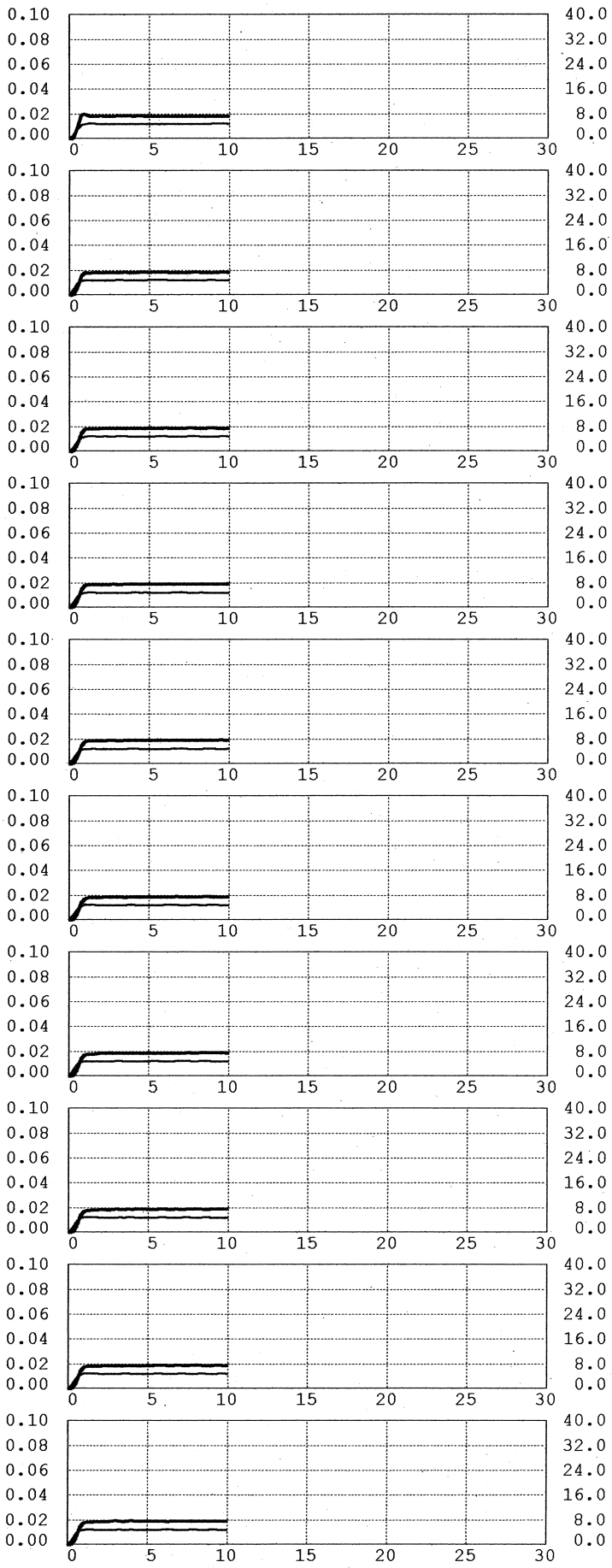
SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-13-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	09:47
CALIBRATION CHECK	PASSED	09:47
SIMULATOR VAPOR	0.018	09:47
SIMULATOR VAPOR	0.018	09:48
SIMULATOR VAPOR	0.019	09:49
SIMULATOR VAPOR	0.019	09:50
SIMULATOR VAPOR	0.019	09:51
SIMULATOR VAPOR	0.019	09:52
SIMULATOR VAPOR	0.019	09:53
SIMULATOR VAPOR	0.019	09:54
SIMULATOR VAPOR	0.019	09:55
SIMULATOR VAPOR	0.019	09:56
BLANK TEST	0.000	09:57

Average out of range!

Average = 0.018
Std Dev = 0.0004



DIAGNOSTIC RESULT

DataMaster DMT: 104909
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/23/2009
Time: 07:08

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.80°C
Breath Tube    = 48.08°C

SETTINGS
Lamp Voltage   = 1.76 V
Cooler Voltage = 1.77 V
Bias Voltage   = 81.4 V
Chopper Freq   = 539.5 Hz

PUMP INFO
Flow Rate = 5.800 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.0890    0.0902
MIN(V)   0.0874    0.0888

FILTER INFO
Filter 1   0.089   Zero = true
Filter 2   0.755   Zero = true
Filter 3   0.427   Zero = true

CALIBRATION CHECK
Xq = 0.0829   0.94%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

Date: 11/23/2009
Time: 07:10:24

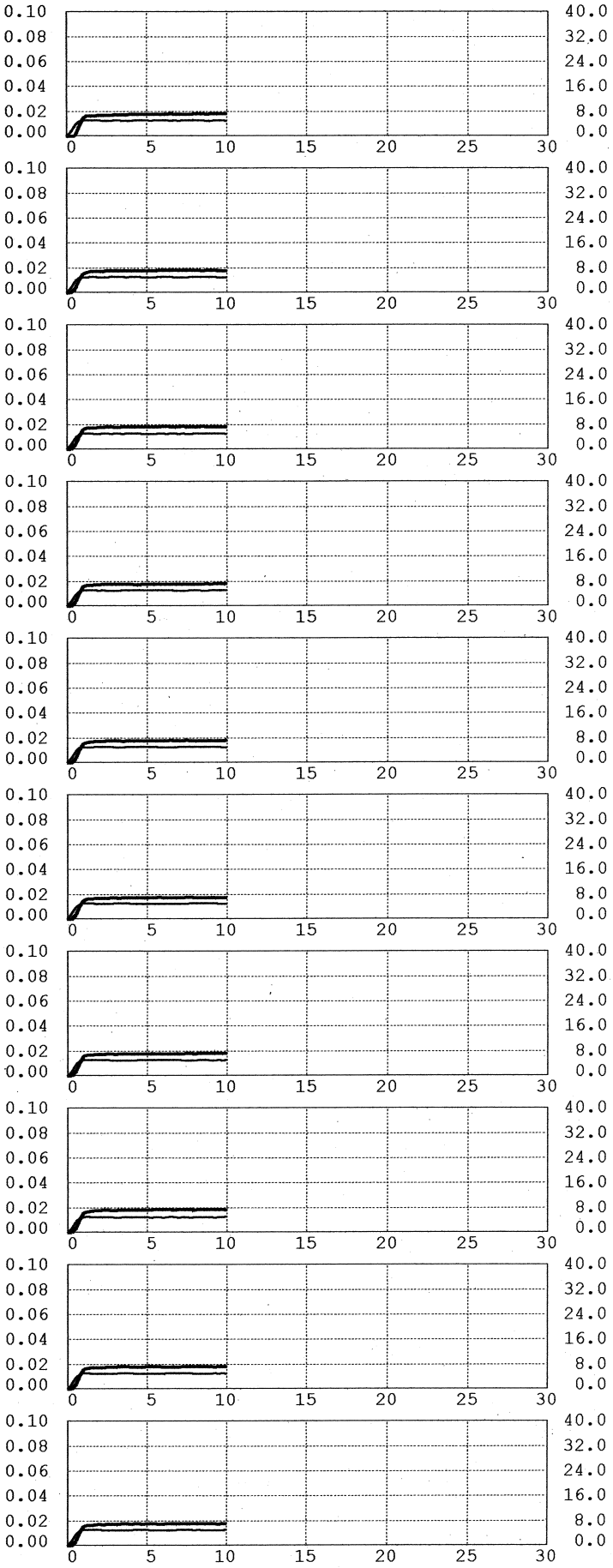
SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-13-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	07:11
CALIBRATION CHECK	PASSED	07:11
SIMULATOR VAPOR	0.018	07:11
SIMULATOR VAPOR	0.018	07:12
SIMULATOR VAPOR	0.019	07:13
SIMULATOR VAPOR	0.018	07:14
SIMULATOR VAPOR	0.018	07:15
SIMULATOR VAPOR	0.018	07:16
SIMULATOR VAPOR	0.018	07:17
SIMULATOR VAPOR	0.019	07:18
SIMULATOR VAPOR	0.018	07:19
SIMULATOR VAPOR	0.018	07:20
BLANK TEST	0.000	07:21

Average out of range!

Average = 0.018
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

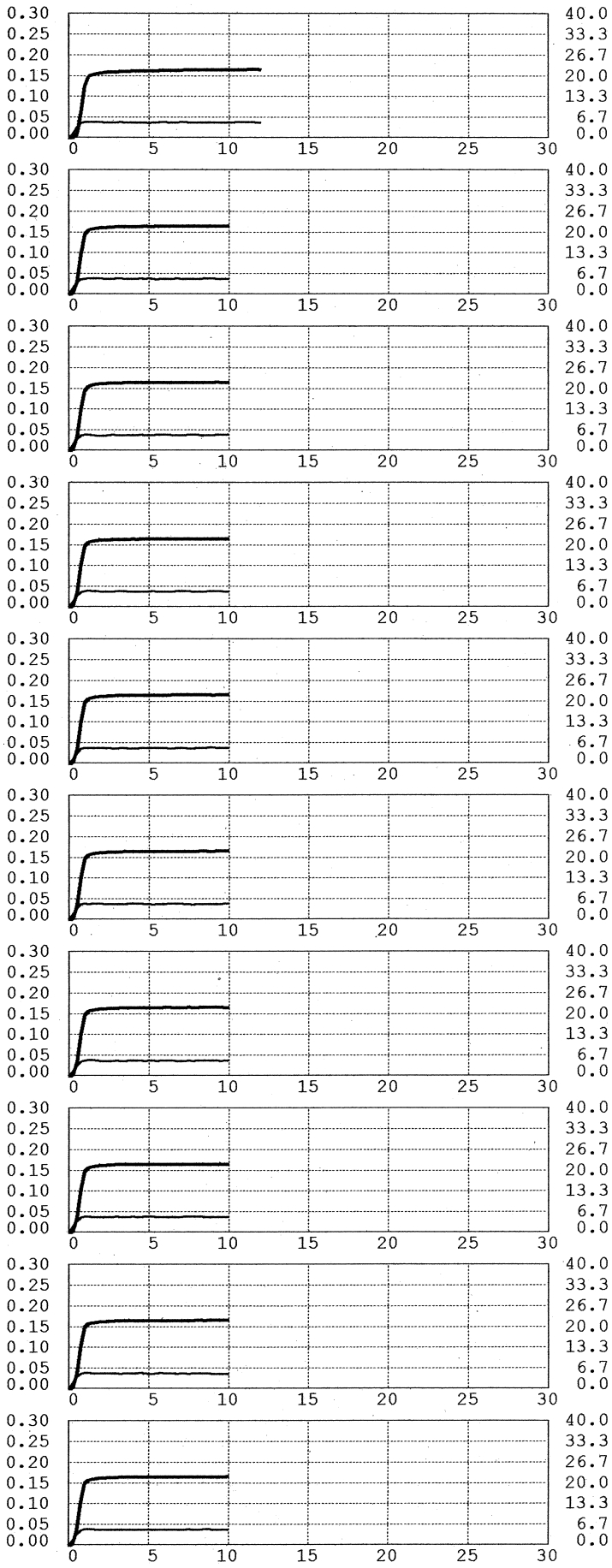
Date: 11/23/2009
Time: 09:29:14

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-38-160
SOLUTION CONCENTRATION: 0.159

BLANK TEST	0.000	09:30
CALIBRATION CHECK	PASSED	09:30
SIMULATOR VAPOR	0.164	09:30
SIMULATOR VAPOR	0.164	09:31
SIMULATOR VAPOR	0.164	09:32
SIMULATOR VAPOR	0.164	09:33
SIMULATOR VAPOR	0.164	09:34
SIMULATOR VAPOR	0.164	09:35
SIMULATOR VAPOR	0.164	09:36
SIMULATOR VAPOR	0.164	09:37
SIMULATOR VAPOR	0.164	09:38
SIMULATOR VAPOR	0.164	09:39
BLANK TEST	0.000	09:40

Average = 0.164
Std Dev = 0.0000



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

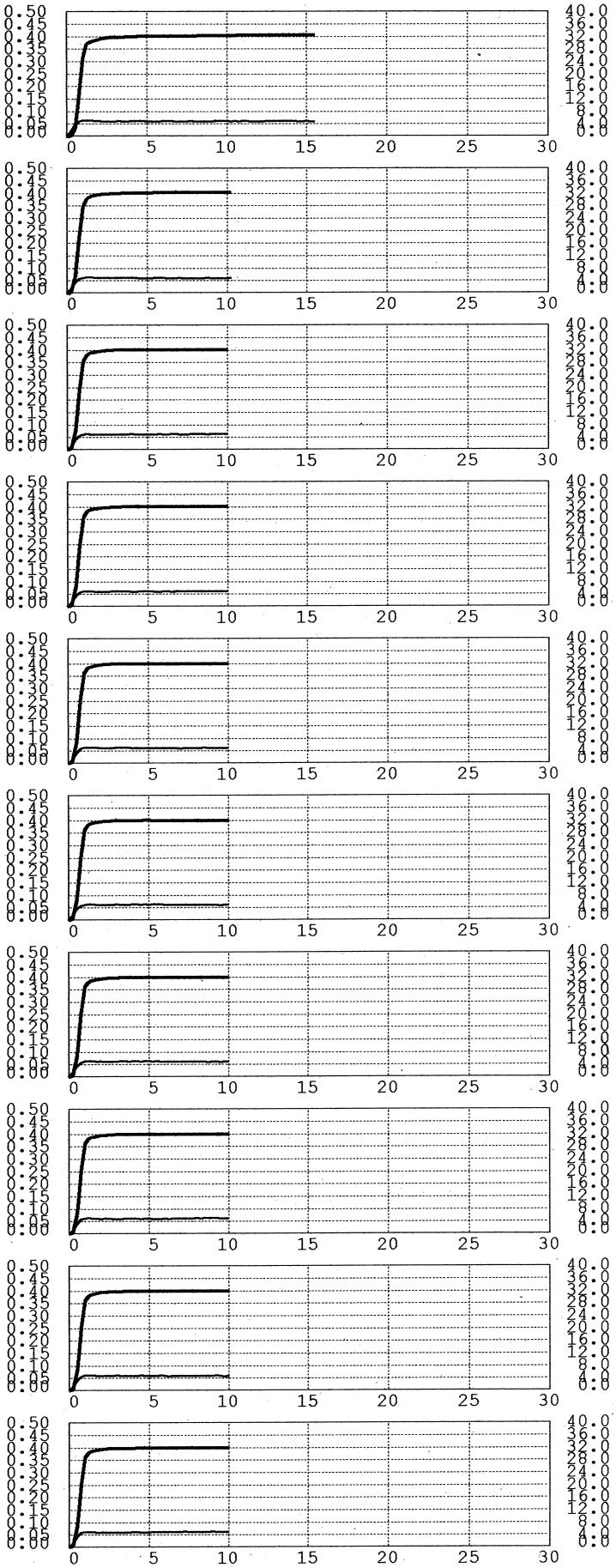
Date: 11/23/2009
Time: 09:47:11

SUPERVISOR NAME: A L B

SOLUTION LOT #: 01-14-400
SOLUTION CONCENTRATION: 0.387

BLANK TEST	0.000	09:48
CALIBRATION CHECK	PASSED	09:48
SIMULATOR VAPOR	0.402	09:48
SIMULATOR VAPOR	0.401	09:49
SIMULATOR VAPOR	0.399	09:51
SIMULATOR VAPOR	0.399	09:52
SIMULATOR VAPOR	0.398	09:53
SIMULATOR VAPOR	0.398	09:54
SIMULATOR VAPOR	0.397	09:55
SIMULATOR VAPOR	0.397	09:56
SIMULATOR VAPOR	0.397	09:57
SIMULATOR VAPOR	0.396	09:58
BLANK TEST	0.000	09:58

Average = 0.398
Std Dev = 0.0018



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

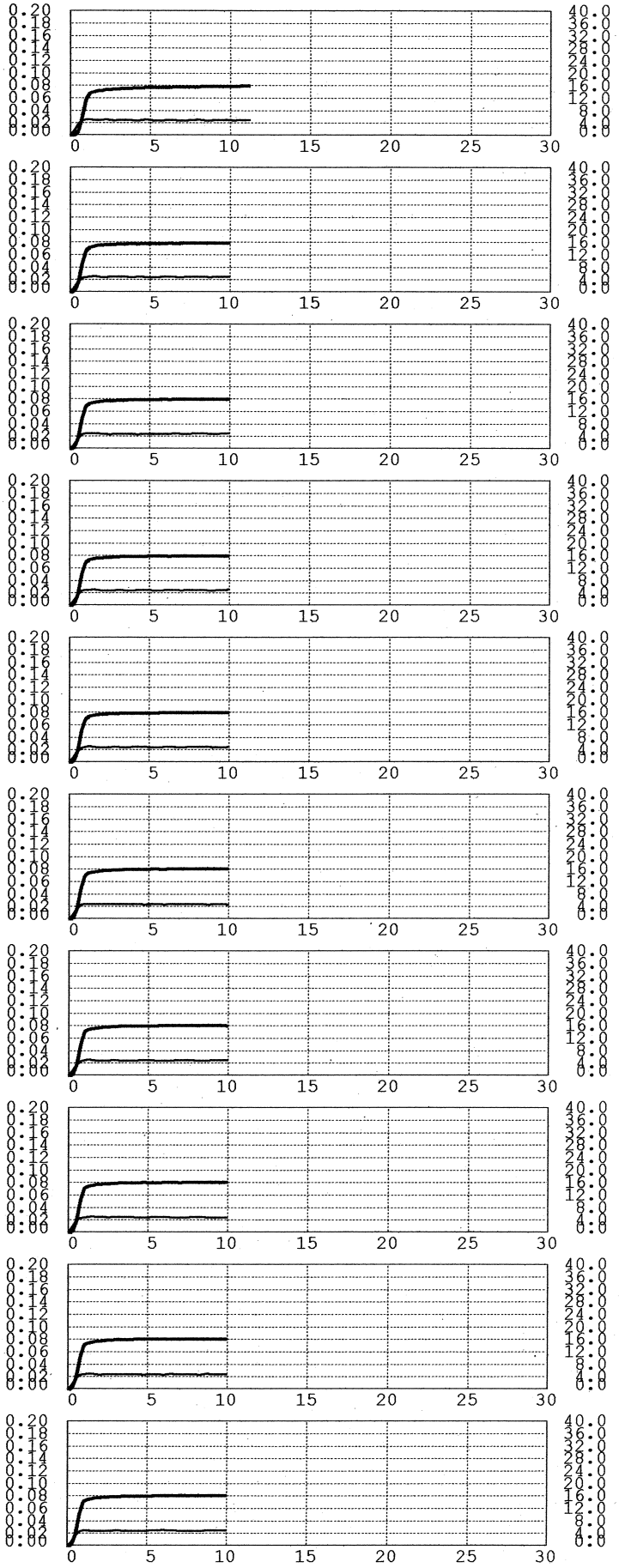
Date: 11/23/2009
Time: 12:19:06

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-43-080
SOLUTION CONCENTRATION: 0.083

BLANK TEST	0.000	12:20
CALIBRATION CHECK	PASSED	12:20
SIMULATOR VAPOR	0.079	12:20
SIMULATOR VAPOR	0.079	12:21
SIMULATOR VAPOR	0.079	12:22
SIMULATOR VAPOR	0.080	12:23
SIMULATOR VAPOR	0.080	12:24
SIMULATOR VAPOR	0.080	12:25
SIMULATOR VAPOR	0.080	12:26
SIMULATOR VAPOR	0.080	12:27
SIMULATOR VAPOR	0.080	12:28
SIMULATOR VAPOR	0.080	12:29
BLANK TEST	0.000	12:30

Average = 0.079
Std Dev = 0.0004



DIAGNOSTIC RESULT

DataMaster DMT: 104909
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/23/2009
Time: 13:39

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.26°C
Breath Tube    = 48.09°C

SETTINGS
Lamp Voltage   = 1.76 V
Cooler Voltage = 1.77 V
Bias Voltage   = 81.4 V
Chopper Freq   = 537.1 Hz

PUMP INFO
Flow Rate = 5.897 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.0734    0.0750
MIN(V)   0.0707    0.0730

FILTER INFO
Filter 1   0.074   Zero = true
Filter 2   0.745   Zero = true
Filter 3   0.405   Zero = true

CALIBRATION CHECK
Xq = 0.0836  0.11%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

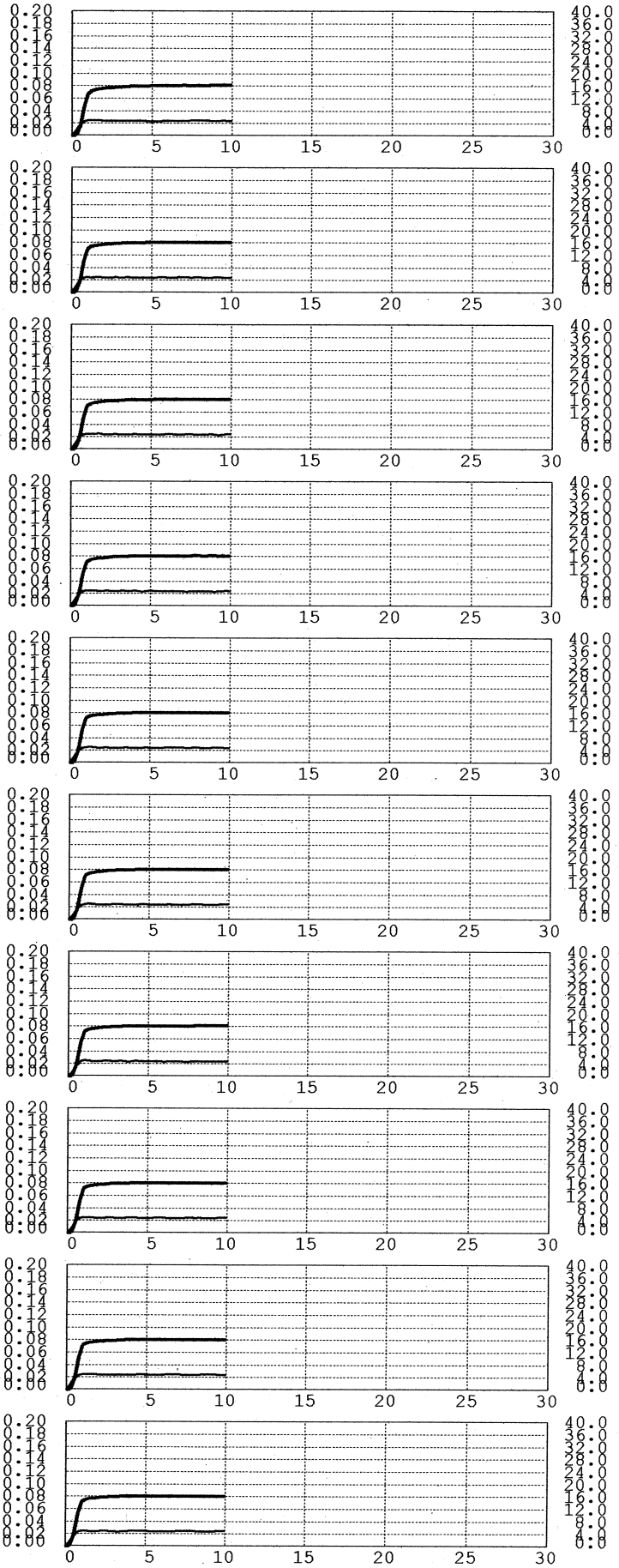
Date: 11/23/2009
Time: 13:41:06

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-43-080
SOLUTION CONCENTRATION: 0.083

BLANK TEST	0.000	13:42
CALIBRATION CHECK	PASSED	13:42
SIMULATOR VAPOR	0.081	13:42
SIMULATOR VAPOR	0.080	13:43
SIMULATOR VAPOR	0.080	13:44
SIMULATOR VAPOR	0.081	13:45
SIMULATOR VAPOR	0.081	13:46
SIMULATOR VAPOR	0.080	13:47
SIMULATOR VAPOR	0.081	13:48
SIMULATOR VAPOR	0.080	13:49
SIMULATOR VAPOR	0.080	13:50
SIMULATOR VAPOR	0.081	13:51
BLANK TEST	0.000	13:52

Average = 0.080
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

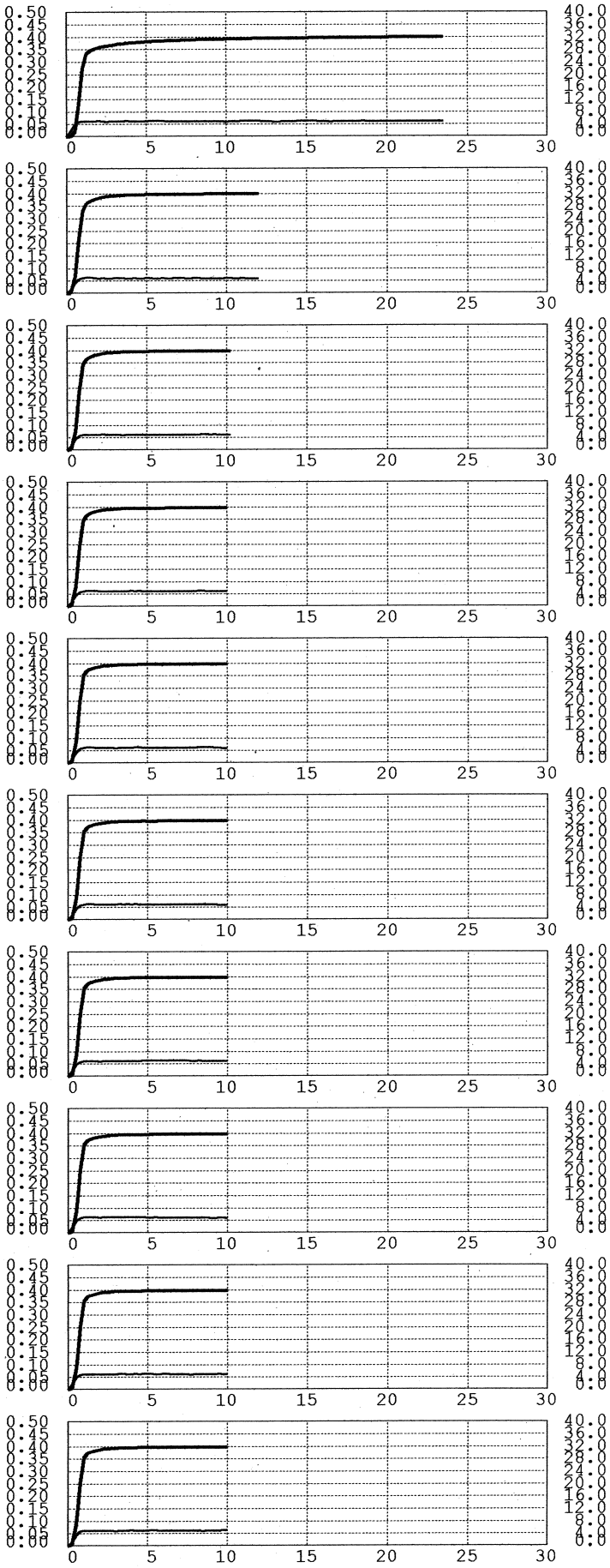
Date: 11/23/2009
Time: 13:54:46

SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-14-400
SOLUTION CONCENTRATION: 0.387

BLANK TEST	0.000	13:55
CALIBRATION CHECK	PASSED	13:55
SIMULATOR VAPOR	0.396	13:56
SIMULATOR VAPOR	0.396	13:57
SIMULATOR VAPOR	0.395	13:58
SIMULATOR VAPOR	0.395	13:59
SIMULATOR VAPOR	0.395	14:00
SIMULATOR VAPOR	0.395	14:01
SIMULATOR VAPOR	0.395	14:02
SIMULATOR VAPOR	0.395	14:03
SIMULATOR VAPOR	0.395	14:04
SIMULATOR VAPOR	0.395	14:06
BLANK TEST	0.000	14:06

Average = 0.395
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

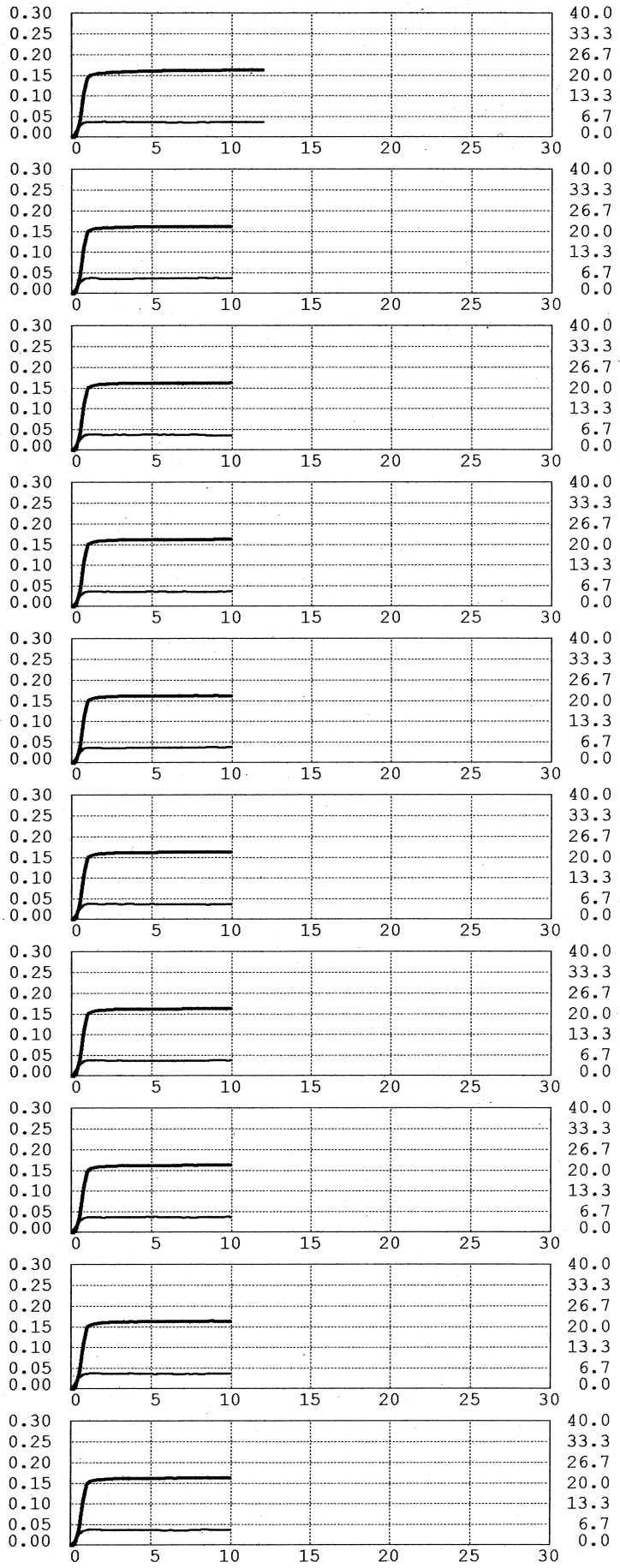
Date: 11/23/2009
Time: 14:08:06

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-38-160
SOLUTION CONCENTRATION: 0.159

BLANK TEST	0.000	14:09
CALIBRATION CHECK	PASSED	14:09
SIMULATOR VAPOR	0.162	14:09
SIMULATOR VAPOR	0.161	14:10
SIMULATOR VAPOR	0.162	14:11
SIMULATOR VAPOR	0.162	14:12
SIMULATOR VAPOR	0.162	14:13
SIMULATOR VAPOR	0.162	14:14
SIMULATOR VAPOR	0.162	14:15
SIMULATOR VAPOR	0.162	14:16
SIMULATOR VAPOR	0.162	14:17
SIMULATOR VAPOR	0.162	14:18
BLANK TEST	0.000	14:19

Average = 0.161
Std Dev = 0.0003



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

Date: 11/23/2009
Time: 14:36:02

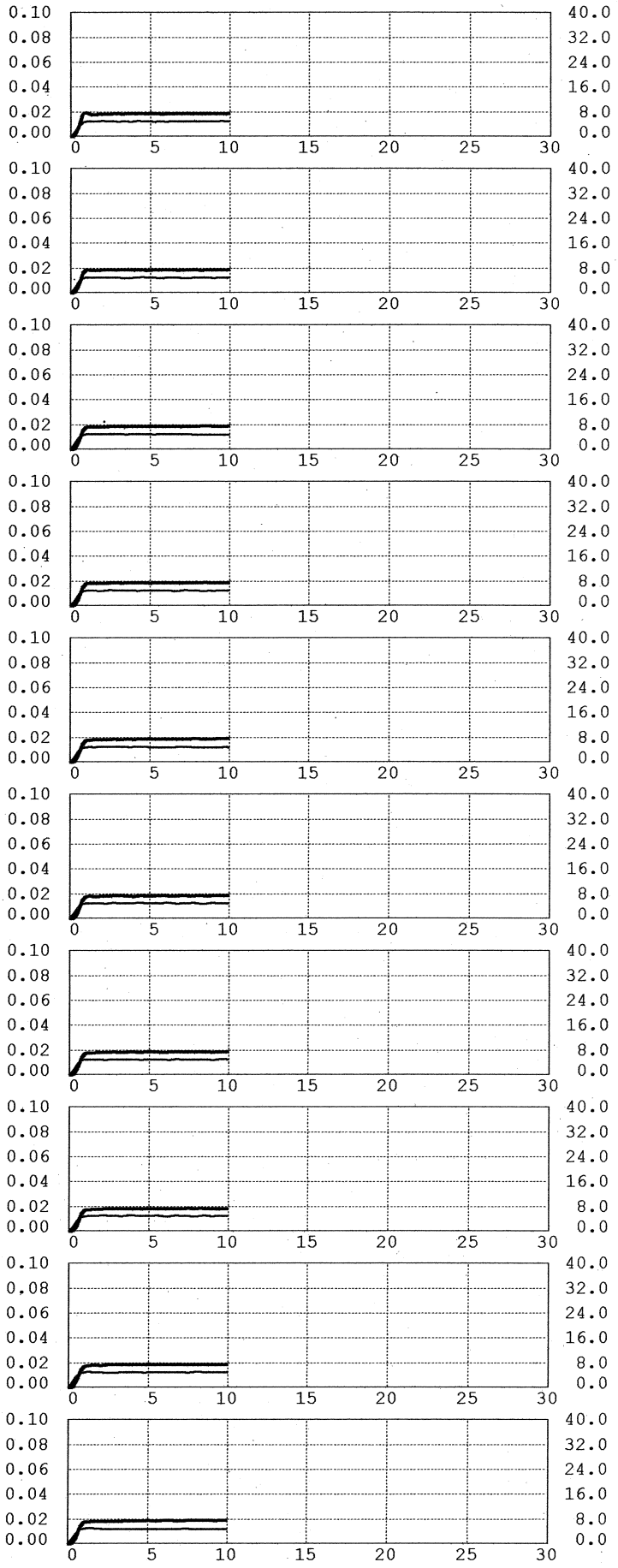
SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-13-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	14:36
CALIBRATION CHECK	PASSED	14:37
SIMULATOR VAPOR	0.018	14:37
SIMULATOR VAPOR	0.018	14:38
SIMULATOR VAPOR	0.019	14:39
SIMULATOR VAPOR	0.019	14:40
SIMULATOR VAPOR	0.019	14:41
SIMULATOR VAPOR	0.018	14:42
SIMULATOR VAPOR	0.018	14:43
SIMULATOR VAPOR	0.018	14:44
SIMULATOR VAPOR	0.018	14:45
SIMULATOR VAPOR	0.019	14:46
BLANK TEST	0.000	14:46

Average out of range!

Average = 0.018
Std Dev = 0.0005



DIAGNOSTIC RESULT

DataMaster DMT: 104909
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/30/2009
Time: 13:06

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.91°C
Breath Tube    = 48.10°C

SETTINGS
Lamp Voltage   = 1.76 V
Cooler Voltage = 1.77 V
Bias Voltage   = 81.4 V
Chopper Freq   = 533.5 Hz

PUMP INFO
Flow Rate = 5.533 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.0547    0.0575
MIN(V)   0.0533    0.0559

FILTER INFO
Filter 1   0.056   Zero = true
Filter 2   0.731   Zero = true
Filter 3   0.380   Zero = true

CALIBRATION CHECK
Xq = 0.0831   0.63%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

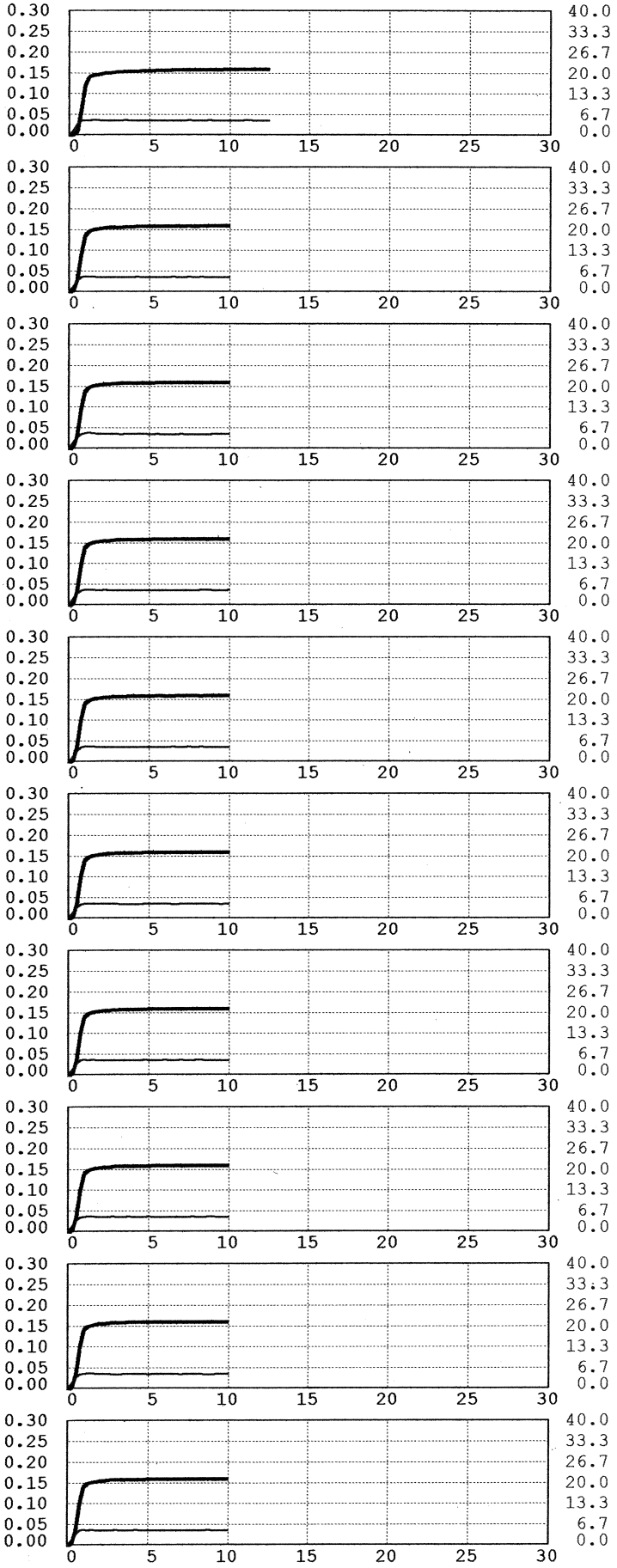
Date: 11/30/2009
Time: 13:14:26

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-38-160
SOLUTION CONCENTRATION: 0.159

BLANK TEST	0.000	13:15
CALIBRATION CHECK	PASSED	13:15
SIMULATOR VAPOR	0.158	13:15
SIMULATOR VAPOR	0.158	13:16
SIMULATOR VAPOR	0.158	13:17
SIMULATOR VAPOR	0.158	13:18
SIMULATOR VAPOR	0.158	13:19
SIMULATOR VAPOR	0.158	13:20
SIMULATOR VAPOR	0.158	13:21
SIMULATOR VAPOR	0.158	13:22
SIMULATOR VAPOR	0.159	13:23
SIMULATOR VAPOR	0.158	13:24
BLANK TEST	0.000	13:25

Average = 0.158
Std Dev = 0.0003



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

Date: 11/30/2009
Time: 13:56:27

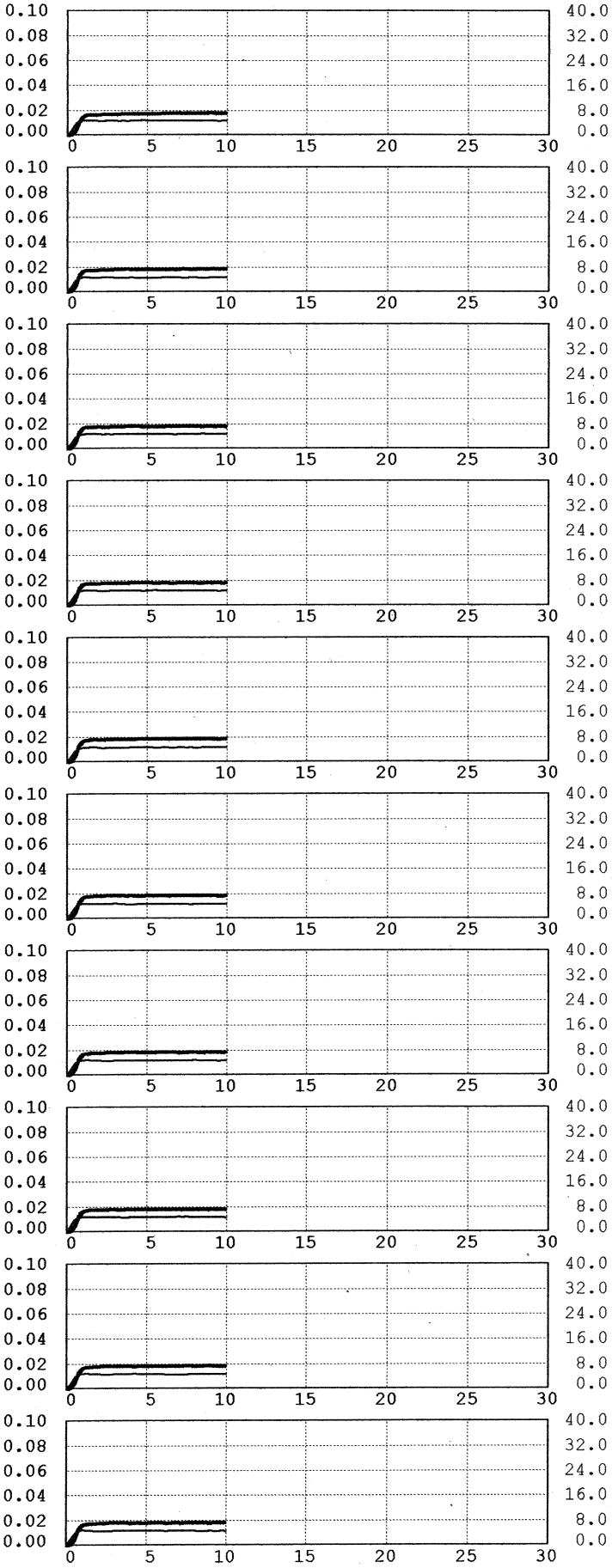
SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-13-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	13:57
CALIBRATION CHECK	PASSED	13:57
SIMULATOR VAPOR	0.018	13:57
SIMULATOR VAPOR	0.019	13:58
SIMULATOR VAPOR	0.018	13:59
SIMULATOR VAPOR	0.019	14:00
SIMULATOR VAPOR	0.019	14:01
SIMULATOR VAPOR	0.019	14:02
SIMULATOR VAPOR	0.019	14:03
SIMULATOR VAPOR	0.019	14:04
SIMULATOR VAPOR	0.019	14:05
SIMULATOR VAPOR	0.019	14:06
BLANK TEST	0.000	14:07

Average out of range!

Average = 0.018
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

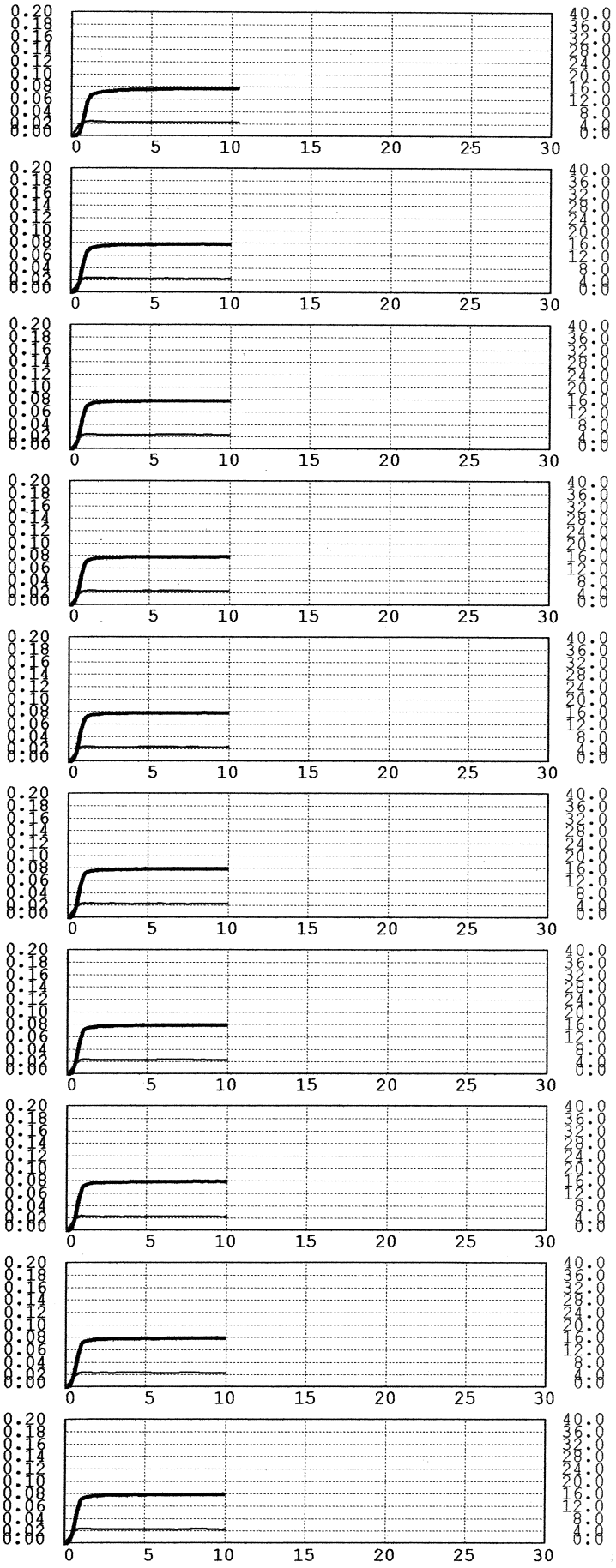
Date: 11/30/2009
Time: 14:13:58

SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-43-080
SOLUTION CONCENTRATION: 0.083

BLANK TEST	0.000	14:14
CALIBRATION CHECK	PASSED	14:15
SIMULATOR VAPOR	0.077	14:15
SIMULATOR VAPOR	0.078	14:16
SIMULATOR VAPOR	0.078	14:17
SIMULATOR VAPOR	0.078	14:18
SIMULATOR VAPOR	0.078	14:19
SIMULATOR VAPOR	0.078	14:20
SIMULATOR VAPOR	0.078	14:21
SIMULATOR VAPOR	0.079	14:22
SIMULATOR VAPOR	0.078	14:23
SIMULATOR VAPOR	0.078	14:24
BLANK TEST	0.000	14:24

Average = 0.078
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

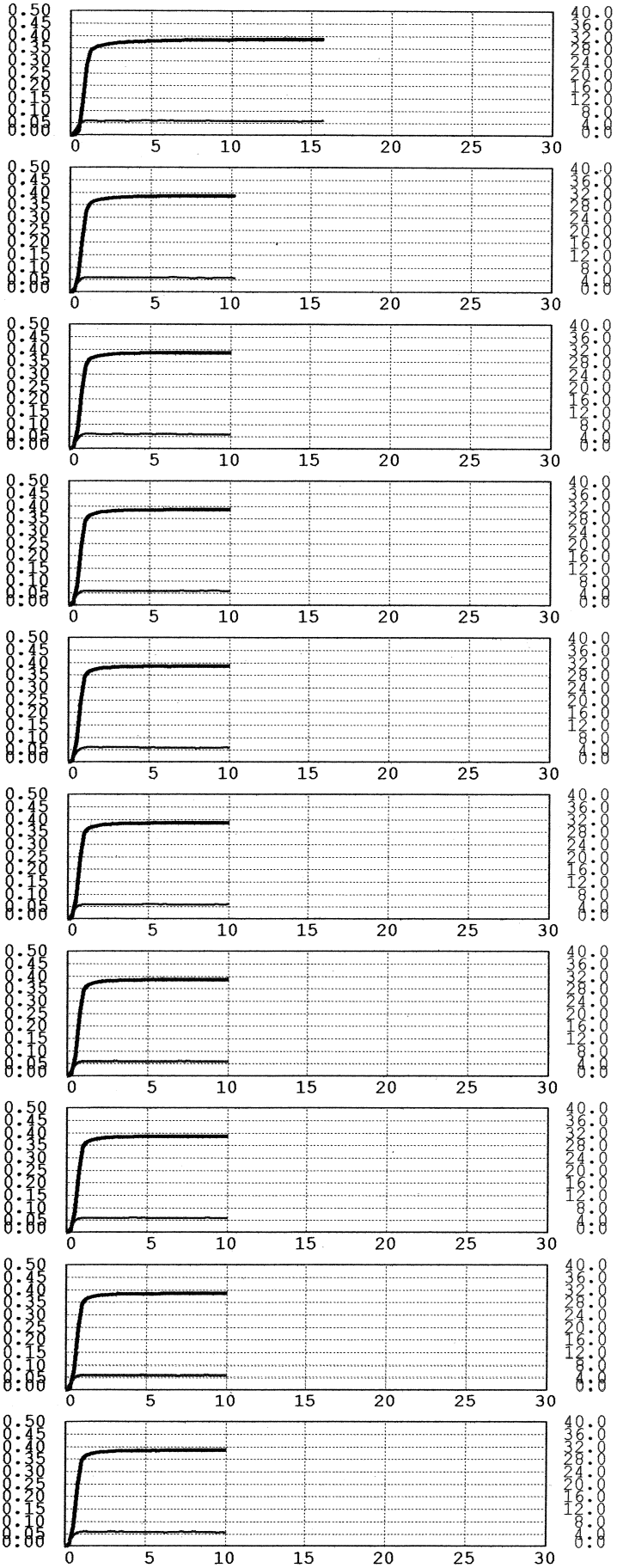
Date: 11/30/2009
Time: 14:48:35

SUPERVISOR NAME: A L B

SOLUTION LOT #: 10-14-400
SOLUTION CONCENTRATION: 0.387

BLANK TEST	0.000	14:49
CALIBRATION CHECK	PASSED	14:49
SIMULATOR VAPOR	0.385	14:50
SIMULATOR VAPOR	0.385	14:51
SIMULATOR VAPOR	0.385	14:52
SIMULATOR VAPOR	0.384	14:53
SIMULATOR VAPOR	0.384	14:54
SIMULATOR VAPOR	0.384	14:55
SIMULATOR VAPOR	0.384	14:56
SIMULATOR VAPOR	0.385	14:57
SIMULATOR VAPOR	0.384	14:58
SIMULATOR VAPOR	0.384	14:59
BLANK TEST	0.000	15:00

Average = 0.384
Std Dev = 0.0005



Section 5: Interference

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

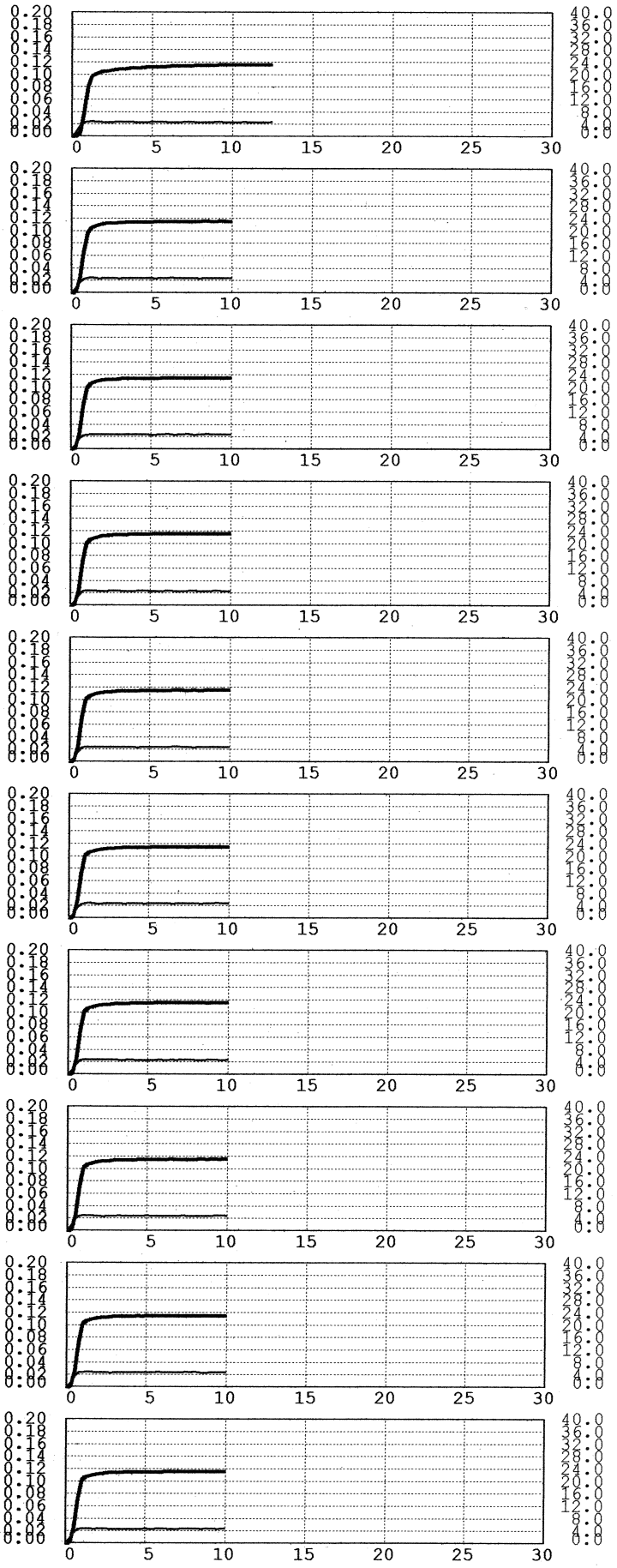
Date: 10/29/2009
Time: 08:15:11

SUPERVISOR NAME: ALB .04MEOH IN .08ETOH

SOLUTION LOT #: 10-10-08M4
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	08:16
CALIBRATION CHECK	PASSED	08:16
SIMULATOR VAPOR	INTERFERENCE	08:16
SIMULATOR VAPOR	INTERFERENCE	08:17
SIMULATOR VAPOR	INTERFERENCE	08:18
SIMULATOR VAPOR	INTERFERENCE	08:19
SIMULATOR VAPOR	INTERFERENCE	08:20
SIMULATOR VAPOR	INTERFERENCE	08:21
SIMULATOR VAPOR	INTERFERENCE	08:22
SIMULATOR VAPOR	INTERFERENCE	08:23
SIMULATOR VAPOR	INTERFERENCE	08:24
SIMULATOR VAPOR	INTERFERENCE	08:25
BLANK TEST	0.000	08:26

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

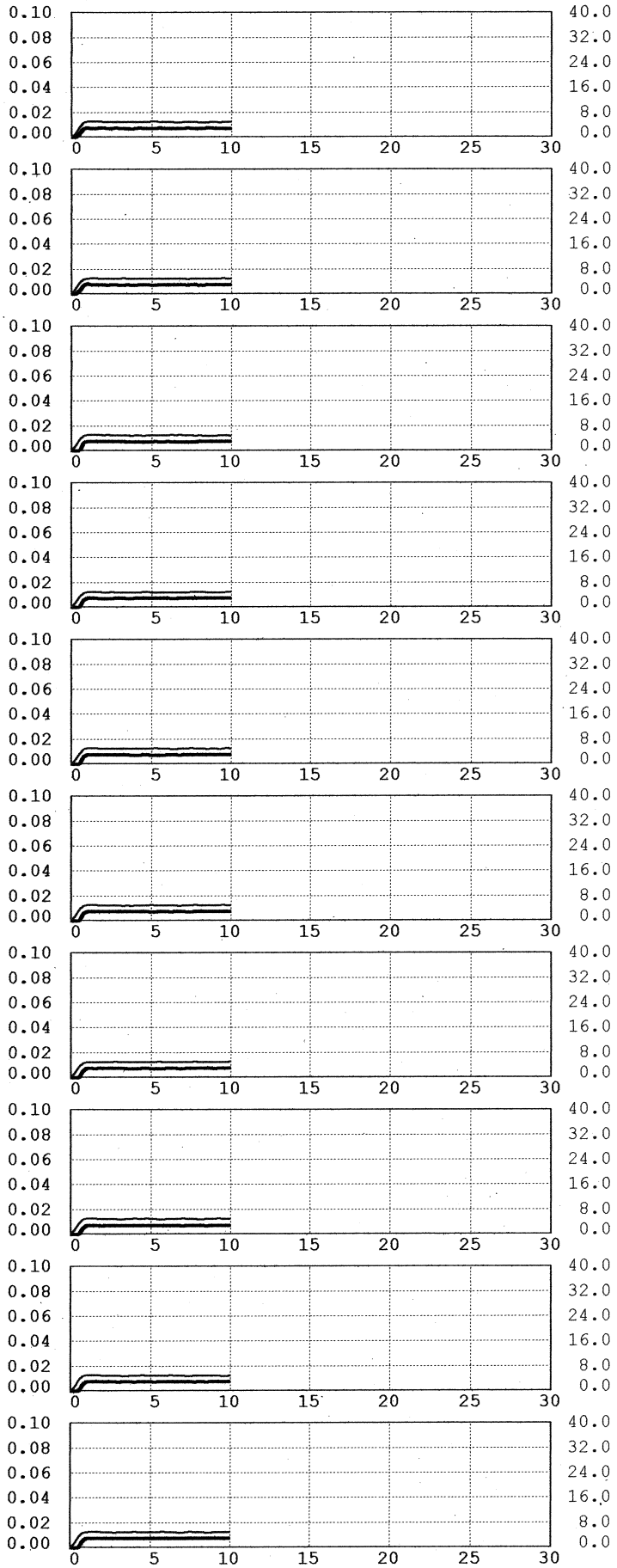
Date: 10/29/2009
Time: 08:29:25

SUPERVISOR NAME: ALB .02ACETONE IN H2O

SOLUTION LOT #: 09-23-02A
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	08:30
CALIBRATION CHECK	PASSED	08:30
SIMULATOR VAPOR	INTERFERENCE	08:30
SIMULATOR VAPOR	INTERFERENCE	08:31
SIMULATOR VAPOR	INTERFERENCE	08:32
SIMULATOR VAPOR	INTERFERENCE	08:33
SIMULATOR VAPOR	INTERFERENCE	08:34
SIMULATOR VAPOR	INTERFERENCE	08:35
SIMULATOR VAPOR	INTERFERENCE	08:36
SIMULATOR VAPOR	INTERFERENCE	08:37
SIMULATOR VAPOR	INTERFERENCE	08:38
SIMULATOR VAPOR	INTERFERENCE	08:39
BLANK TEST	0.000	08:40

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

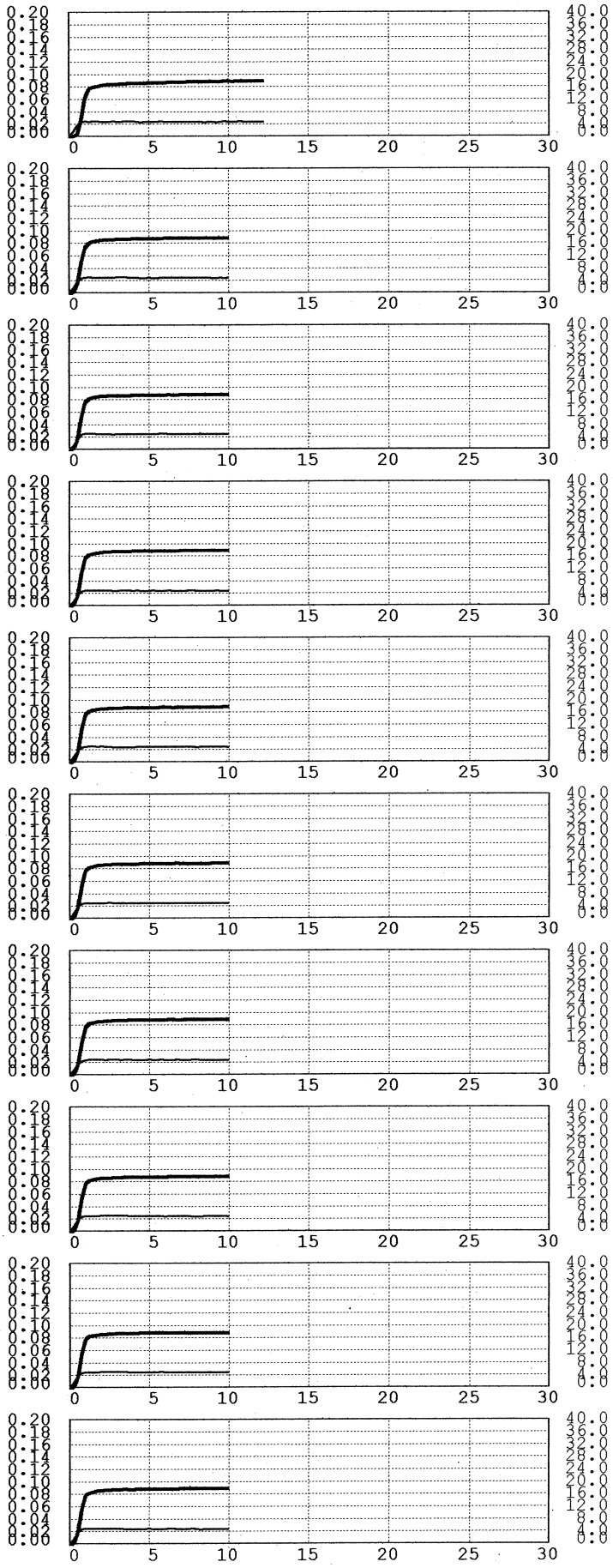
Date: 10/29/2009
Time: 10:23:14

SUPERVISOR NAME: ALB .02ACETONE IN .08ETOH

SOLUTION LOT #: 09-28-08A2
SOLUTION CONCENTRATION: 0.079

BLANK TEST	0.000	10:24
CALIBRATION CHECK	PASSED	10:24
SIMULATOR VAPOR	INTERFERENCE	10:24
SIMULATOR VAPOR	INTERFERENCE	10:25
SIMULATOR VAPOR	INTERFERENCE	10:26
SIMULATOR VAPOR	INTERFERENCE	10:27
SIMULATOR VAPOR	INTERFERENCE	10:28
SIMULATOR VAPOR	INTERFERENCE	10:29
SIMULATOR VAPOR	INTERFERENCE	10:30
SIMULATOR VAPOR	INTERFERENCE	10:31
SIMULATOR VAPOR	INTERFERENCE	10:32
SIMULATOR VAPOR	INTERFERENCE	10:33
BLANK TEST	0.000	10:34

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

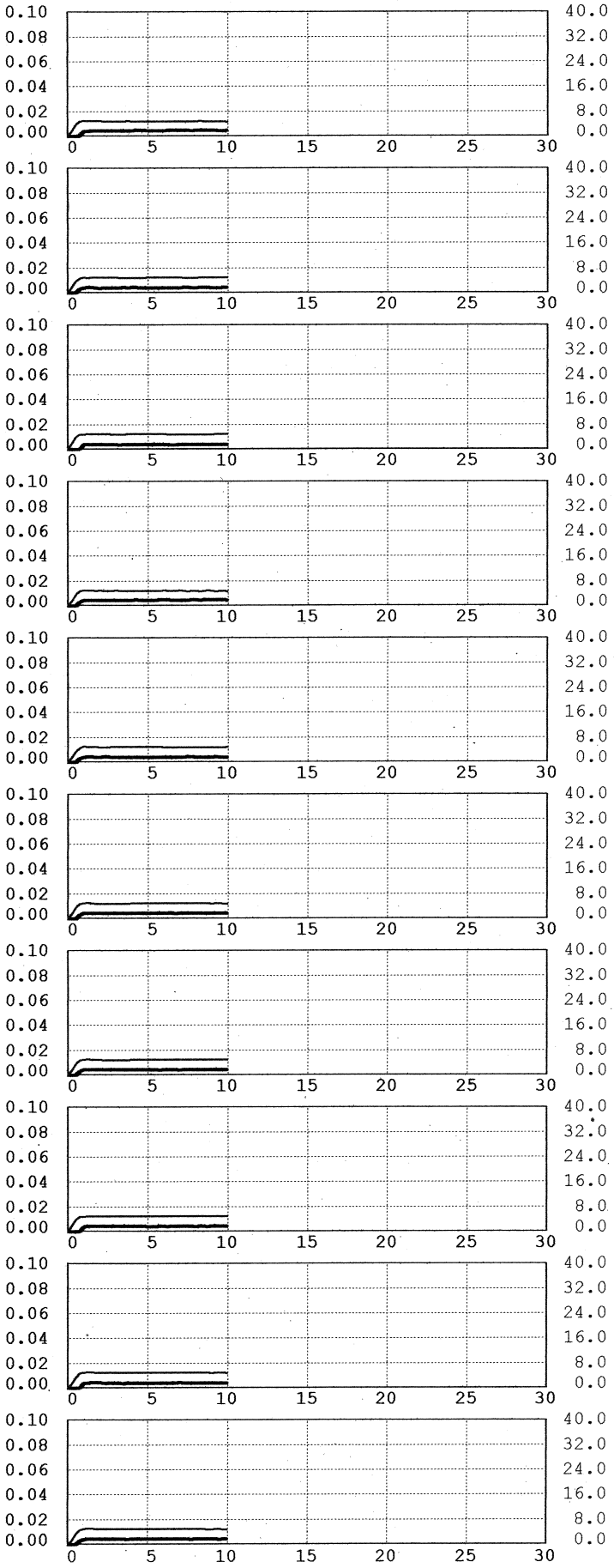
Date: 10/29/2009
Time: 14:14:15

SUPERVISOR NAME: ALB .01ACETONE IN H2O

SOLUTION LOT #: 10-08-01A
SOLUTION CONCENTRATION: 0.010

BLANK TEST	0.000	14:15
CALIBRATION CHECK	PASSED	14:15
SIMULATOR VAPOR	INTERFERENCE	14:15
SIMULATOR VAPOR	INTERFERENCE	14:16
SIMULATOR VAPOR	INTERFERENCE	14:17
SIMULATOR VAPOR	INTERFERENCE	14:18
SIMULATOR VAPOR	INTERFERENCE	14:19
SIMULATOR VAPOR	INTERFERENCE	14:20
SIMULATOR VAPOR	INTERFERENCE	14:21
SIMULATOR VAPOR	INTERFERENCE	14:22
SIMULATOR VAPOR	INTERFERENCE	14:23
SIMULATOR VAPOR	INTERFERENCE	14:24
BLANK TEST	0.000	14:25

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

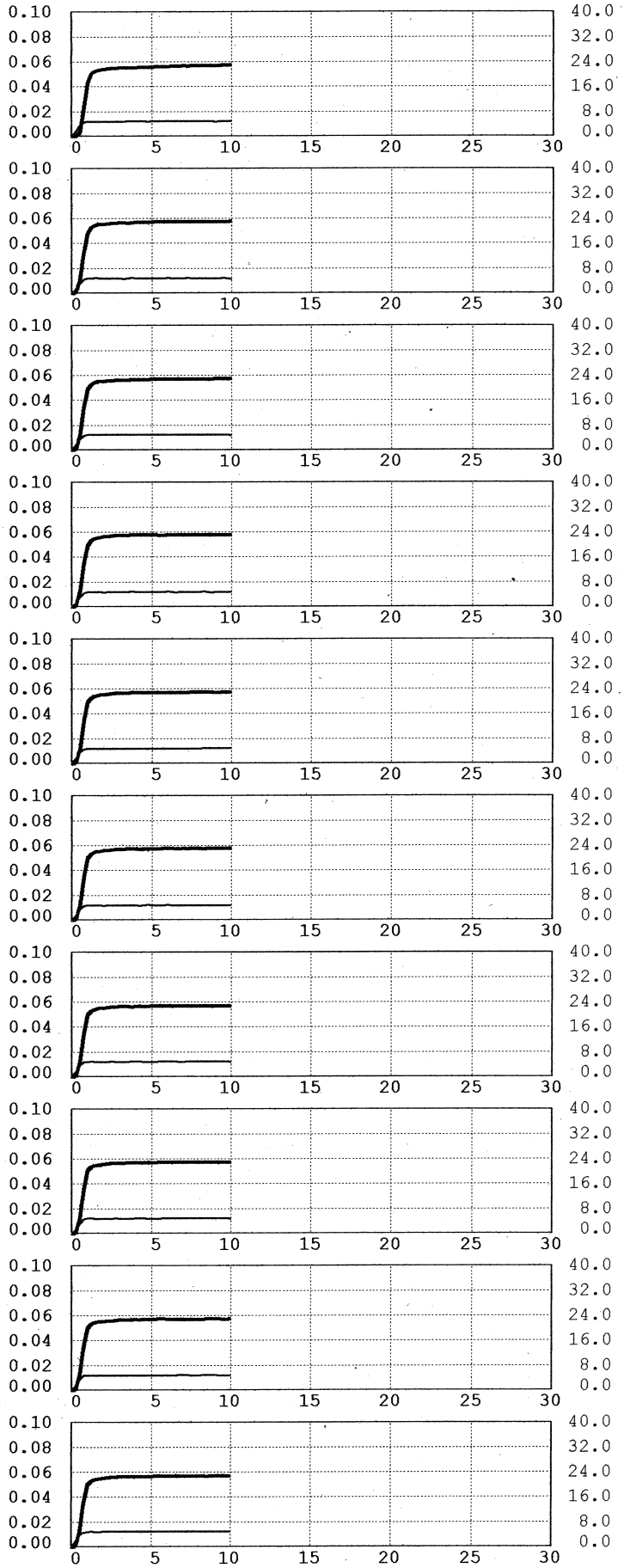
Date: 10/29/2009
Time: 14:32:19

SUPERVISOR NAME: ALB .02ACETONE IN .04ETOH

SOLUTION LOT #: 09-13-04A2
SOLUTION CONCENTRATION: 0.039

BLANK TEST	0.000	14:33
CALIBRATION CHECK	PASSED	14:33
SIMULATOR VAPOR	INTERFERENCE	14:33
SIMULATOR VAPOR	INTERFERENCE	14:34
SIMULATOR VAPOR	INTERFERENCE	14:35
SIMULATOR VAPOR	INTERFERENCE	14:36
SIMULATOR VAPOR	INTERFERENCE	14:37
SIMULATOR VAPOR	INTERFERENCE	14:38
SIMULATOR VAPOR	INTERFERENCE	14:39
SIMULATOR VAPOR	INTERFERENCE	14:40
SIMULATOR VAPOR	INTERFERENCE	14:41
SIMULATOR VAPOR	INTERFERENCE	14:42
BLANK TEST	0.000	14:43

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

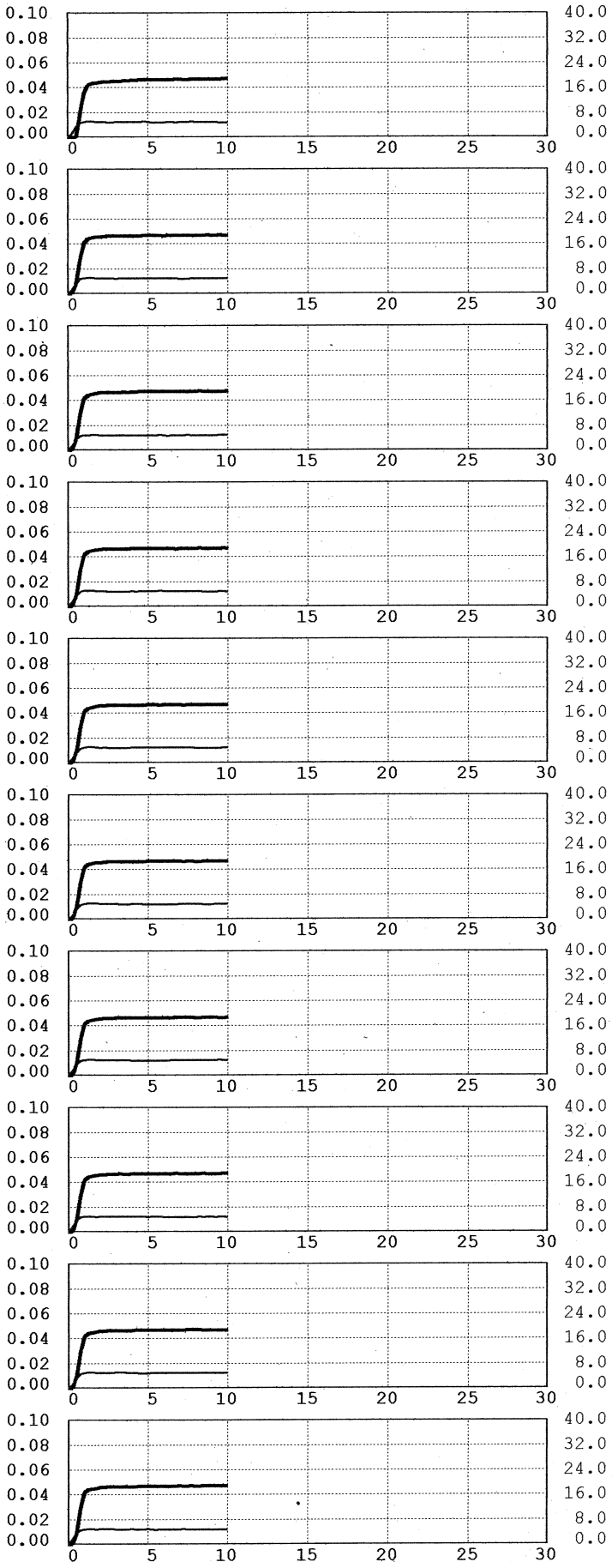
Date: 10/29/2009
Time: 15:11:22

SUPERVISOR NAME: ALB .01ACETONE IN .04ETOH

SOLUTION LOT #: 09-13-04A1
SOLUTION CONCENTRATION: 0.039

BLANK TEST	0.000	15:12
CALIBRATION CHECK	PASSED	15:12
SIMULATOR VAPOR	INTERFERENCE	15:12
SIMULATOR VAPOR	INTERFERENCE	15:13
SIMULATOR VAPOR	INTERFERENCE	15:14
SIMULATOR VAPOR	INTERFERENCE	15:15
SIMULATOR VAPOR	INTERFERENCE	15:16
SIMULATOR VAPOR	INTERFERENCE	15:17
SIMULATOR VAPOR	INTERFERENCE	15:18
SIMULATOR VAPOR	INTERFERENCE	15:19
SIMULATOR VAPOR	INTERFERENCE	15:20
SIMULATOR VAPOR	INTERFERENCE	15:21
BLANK TEST	0.000	15:22

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

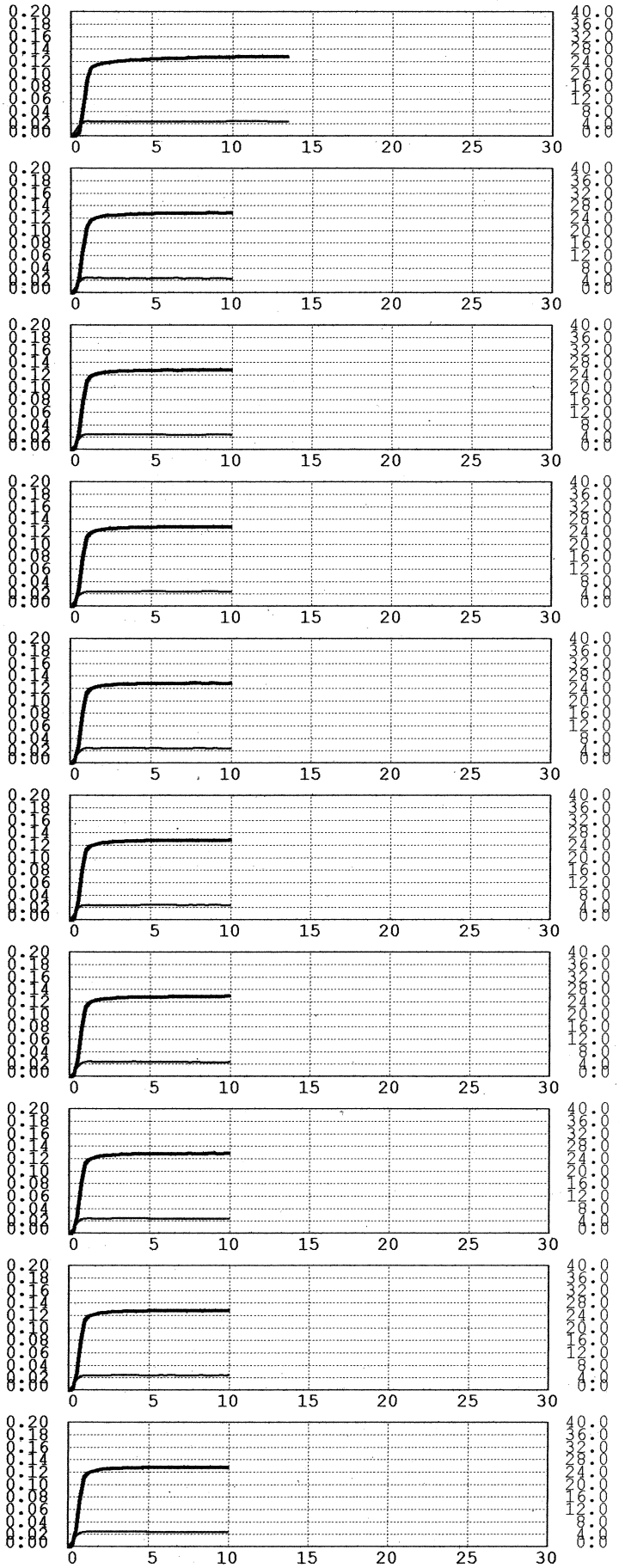
Date: 10/29/2009
Time: 15:33:31

SUPERVISOR NAME: ALB .04IPA IN .08ETOH

SOLUTION LOT #: 09-43-08I4
SOLUTION CONCENTRATION: 0.083

BLANK TEST	0.000	15:34
CALIBRATION CHECK	PASSED	15:34
SIMULATOR VAPOR	INTERFERENCE	15:34
SIMULATOR VAPOR	INTERFERENCE	15:35
SIMULATOR VAPOR	INTERFERENCE	15:36
SIMULATOR VAPOR	INTERFERENCE	15:37
SIMULATOR VAPOR	INTERFERENCE	15:38
SIMULATOR VAPOR	INTERFERENCE	15:39
SIMULATOR VAPOR	INTERFERENCE	15:40
SIMULATOR VAPOR	INTERFERENCE	15:41
SIMULATOR VAPOR	INTERFERENCE	15:42
SIMULATOR VAPOR	INTERFERENCE	15:43
BLANK TEST	0.000	15:44

Average out of range!



Section 6: Low Level Accuracy

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104909

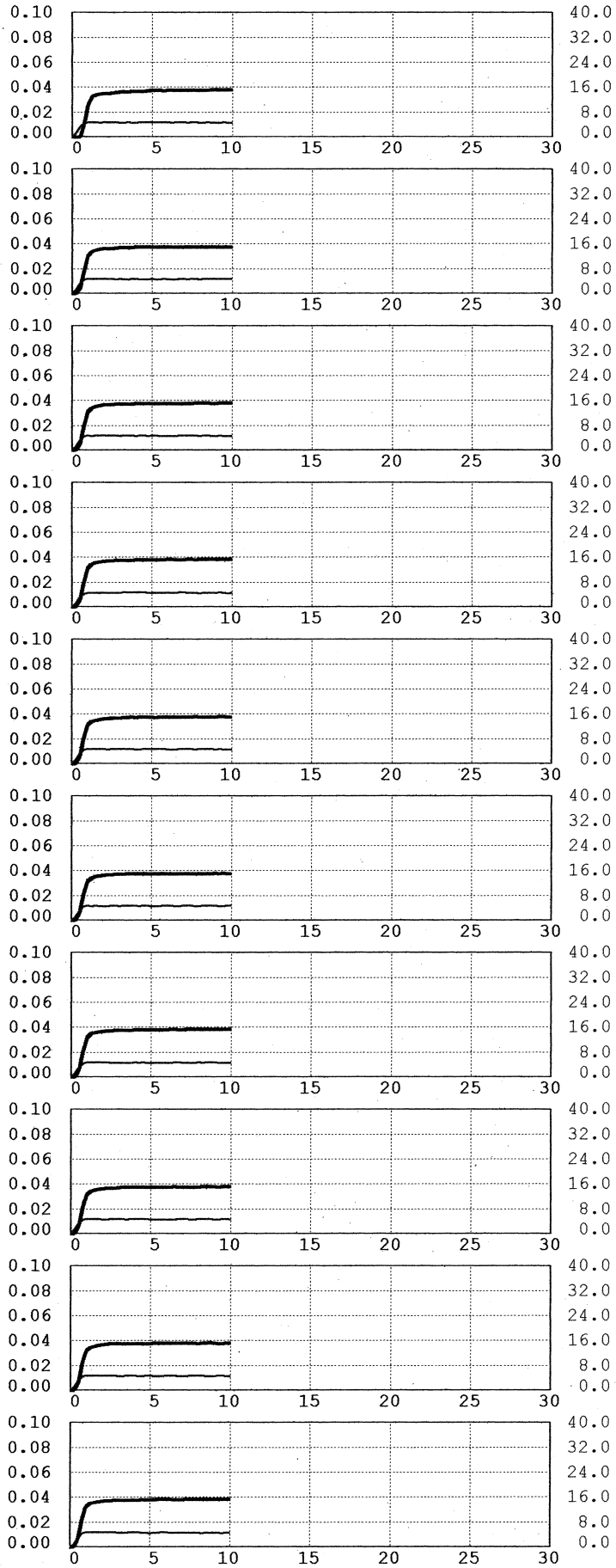
Date: 10/29/2009
Time: 07:56:40

SUPERVISOR NAME: ALB LOW LEVEL TEST

SOLUTION LOT #: 09-27-040
SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	07:57
CALIBRATION CHECK	PASSED	07:57
SIMULATOR VAPOR	0.039	07:58
SIMULATOR VAPOR	0.038	07:58
SIMULATOR VAPOR	0.039	07:59
SIMULATOR VAPOR	0.039	08:00
SIMULATOR VAPOR	0.039	08:01
SIMULATOR VAPOR	0.039	08:02
SIMULATOR VAPOR	0.039	08:03
SIMULATOR VAPOR	0.038	08:04
SIMULATOR VAPOR	0.039	08:05
SIMULATOR VAPOR	0.039	08:06
BLANK TEST	0.000	08:07

Average = 0.038
Std Dev = 0.0004



Section 7: Breath Volume

This Instrument not tested for this specification

Section 8: Software Testing

This Instrument not tested for this specification

Section 9: Error Reports

Section 10: Live Subject Tests

This Instrument not tested for this specification

Section 11: Communication Notes

10/5/0

104409-
Upon initial inspection, discovered the motor was not adequately seated to the filter wheel. SH adjusted the tension for better pressure between the filter wheel and the drive motor.

10/9/09

104109 and 104409 failed low level interference testing. 1044 failed to recognize .04 IPA in water as an interferent 10:10 on an A+P test. 1044 quantified .04 IPA as ~.07 Etoh 104109 also failed to flag IPA as an interferent successfully. 1041 only flagged the .04 IPA as an interferent 60% of the time on an A+P test. (N: NPAS was contacted regarding problem.

10/13/09
104109 and 104409 RTV due to failing interference testing

103509, 103709, 104909 Passed Power-up inspection/testing 10/9/09

104509, 104309, 104609, 104509, 103809
Received and inspected, all units passed mechanical inspection. 10/15/09

↳ All units passed cal/cert.

X_1 .033 f_2(-.044)

10/19/09
Determined interference problem w/ RTV units due to solution. 0.04 interference solution was spiked w/ N-propanol instead of 2-propanol NPAS to determine reaction to n-propanol interference testing. NPAS to return 2 RTV units. VDHL to retest all units with correct 0.04 IPA solution.