DATAMASTER DMT 103709

VERMONT DEPARTMENT OF HEALTH LABORATORY

PERFORMANCE TESTING RESULTS

January 2010

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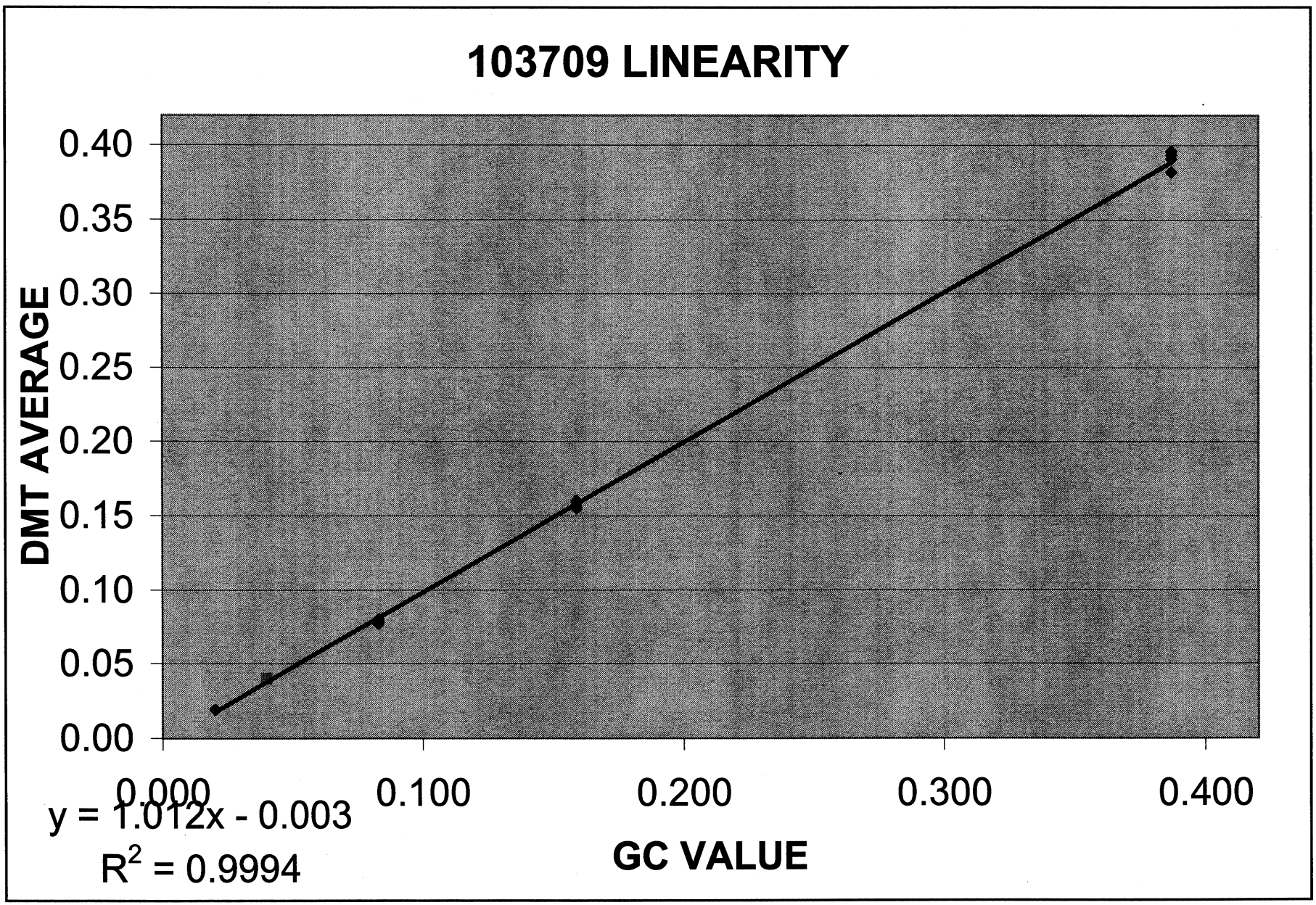
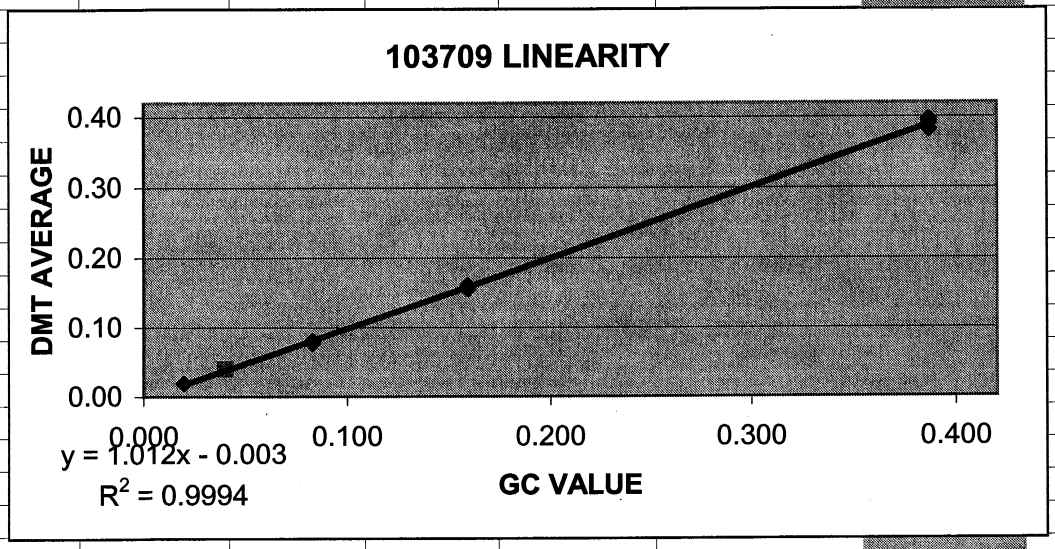
Section 1: Results


103709 LINEARITY
DMT AVERAGE
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.000
0.100
0.200
0.300
0.400
GC VALUE
y = 1.012x - 0.003
R2 = 0.9994

Operator	Date	Lot #	GC Value	DMT Result	Std Dev	% Recovery	
ALB	11/3/2009	09-38-160	0.159	0.160	0.0009	100.6	Outside 5%
		09-43-080	0.083	0.079	0.0004	95.2	Outside 10%
		10-14-400	0.387	0.396	0.0003	102.3	
		10-13-020	0.020	0.019	0.0003	95.0	
ALB	11/12/2009	10-13-020	0.020	0.019	0.0004	95.0	
		10-14-400	0.387	0.394	0.0004	101.8	
		09-43-080	0.083	0.080	0.0000	96.4	
		09-38-160	0.159	0.159	0.0003	100.0	
DMR	11/13/2009	09-38-160	0.159	0.160	0.0005	100.6	
		09-43-080	0.083	0.080	0.0000	96.4	
		10-13-020	0.020	0.019	0.0000	95.0	
		10-14-400	0.387	0.391	0.0007	101.0	
ALB	11/30/2009	09-38-160	0.159	0.155	0.0012	97.5	
		10-13-020	0.020	0.019	0.0004	95.0	
		09-43-080	0.083	0.077	0.0005	92.8	
		10-14-400	0.387	0.382	0.0007	98.7	
ALB	11/30/2009	09-38-160	0.159	0.156	0.0005	98.1	
		10-13-020	0.020	0.019	0.0005	95.0	
		09-43-080	0.083	0.078	0.0005	94.0	
		10-14-400	0.387	0.382	0.0004	98.7	
ALB	10/28/2009	09-27-040	0.040	0.040	0.0000	100.0	LOW LEVEL
				Average	0.0004	97.5	
				Std Dev	0.0003	2.88	
				Range	0.0000 - 0.0012	92.8 - 102.3	



Operator	Date	Concentration	Lot Number	DMT Result	Apparent EtOH	N = 10
ALB	10/29/09	0.01 Acetone in water	10-08-01A	INTERFERENCE	< .01	
ALB	10/29/09	0.02 Acetone in water	09-23-02A	INTERFERENCE	0.01	
ALB	10/09/09	.01 Acetone in .08 EtOH	10-05-08A1	INTERFERENCE	0.08	
ALB	10/29/09	.01 Acetone in .04 EtOH	09-13-04A1	INTERFERENCE	0.05	
ALB	10/29/09	.02Acetone in .08 EtOH	09-28-08A2	INTERFERENCE	0.09	
ALB	10/29/09	.02 Acetone in .04 EtOH	09-13-04A2	INTERFERENCE	0.06	
ALB	10/09/09	.04 MeOH in water	10-07-04M	INTERFERENCE	0.03	
ALB	10/29/09	.04 MeOH in .08 EtOH	10-10-08M4	INTERFERENCE	0.12	
ALB	10/21/09	.04 IPA in water	10-16-04I	INTERFERENCE	0.04	
ALB	10/30/09	.04 IPA in .08 EtOH	09-43-08I4	INTERFERENCE	0.13	
ALB	10/09/09	.04 n-propanol in H20	10/6/2004	INTERFERENCE	0.07	

Section 2: NPAS Tests

National Patent
Analytical Systems, Inc.

Certificate of Calibration

103709
Instrument Serial Number

89220
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.

9-21-09
Date

Technician

OPTIONS PRINT OUT

DataMaster DMT: 103709
Location:
Calibration Date: 09/21/2009
Certification Date: 09/21/2009
Installation Date: 09/21/2009

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: 103709
Calibration Date: 09/21/2009
Calibrated by: T T T
Lot: 987654

VERMONT
DEPARTMENT OF HEALTH

Ca	= 0.100000		
CAL	= 0.985959	0.800 <= CAL <	1.200
b1	= 0.000045	0.000 <= b1 <	0.004
b2	= 0.002933	0.001 <= b2 <	0.012
b3	= 0.000000	0.000 <= b3 <	0.004
Xq	= 0.075209	0.050 <= Xq <	0.200
a21	= 1.106940	1.050 <= a21 <	1.300
a31	= 0.483590	0.300 <= a31 <	0.800

Performed by _____ **Date** 09/21/2009

CERTIFICATION REPORT

DataMaster DMT: 103709
Calibration Date: 09/21/2009
Certification Date: 09/21/2009
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 = 44.64°C

SETTINGS
Lamp Voltage = 1.78 V
Cooler Voltage = 1.63 V
Bias Voltage = 80.8 V
Chopper Freq = 533.9 Hz

PUMP INFO
Flow Rate = 5.951 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.2039 0.2047
MIN(V) 0.2010 0.2026

FILTER INFO
Filter 1 0.203 Zero = true
Filter 2 0.289 Zero = true
Filter 3 0.557 Zero = true

CALIBRATION CHECK
Xq = 0.0746 0.69%

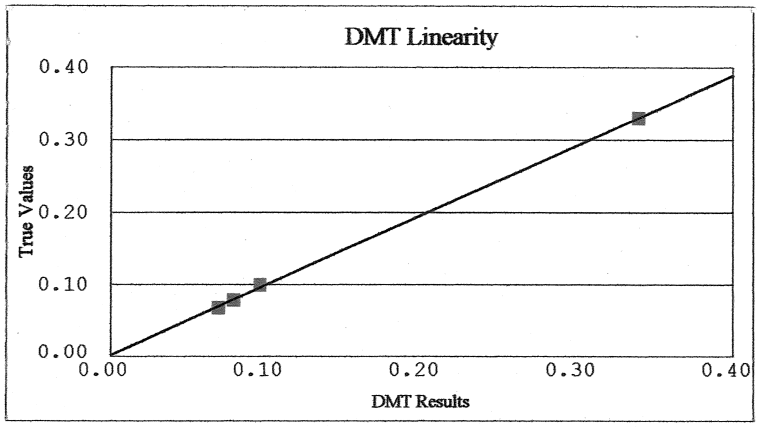
Options

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: 3
Calibrate with Wet Bath: yes
Calibration Nominal: 0.100

Linearity Check Results

True Value	Reported Average	Std Dev
0.068 g/210L	0.070 g/210L	0.000
Lot # 407654		
0.079 g/210L	0.080 g/210L	0.000
Lot # 664543344		
0.100 g/210L	0.097 g/210L	0.000
Lot # 6545678		
0.330 g/210L	0.339 g/210L	0.001
Lot # 654098		

$R^2 = 0.9996$



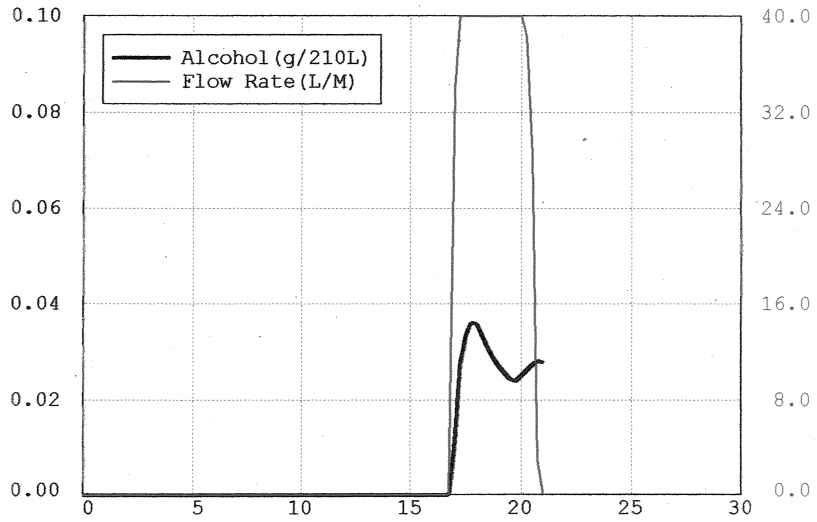
Acetone Interference Test

Lot # HFRHYH

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

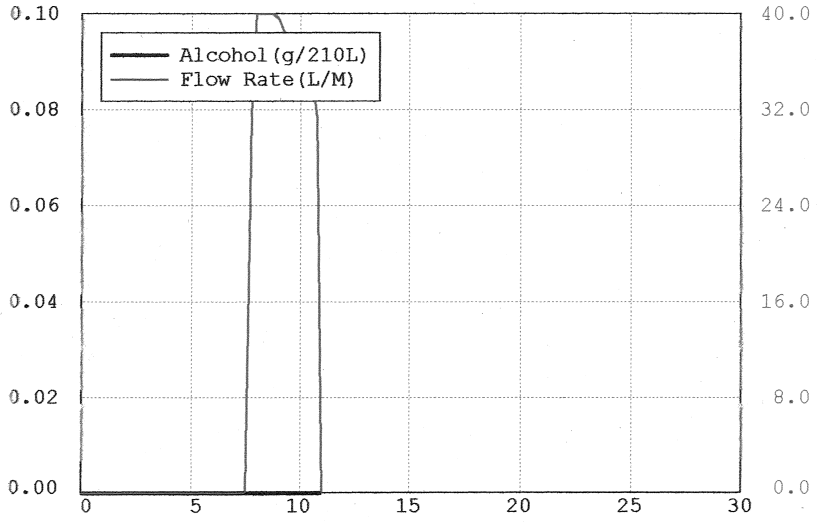


RF Interference Test

RFI detected

Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by ×_____ **Date** 09/21/2009

Reviewed by _____ **Date** _____

INSTALLATION REPORT

DataMaster DMT: 103709
Location: ADDISON COUNTY SO
Calibration Date: 09/21/2009
Certification Date: 09/21/2009
Installation Date: 09/21/2009
Installed By: T T T

VERMONT
DEPARTMENT OF HEALTH

Site meets specification in doc P-ALC-210

Diagnostic Results

VERSIONS
DMT 1.03
PIC 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.15°C
Breath Tube = 46.29°C

SETTINGS
Lamp Voltage = 1.78 V
Cooler Voltage = 1.63 V
Bias Voltage = 80.8 V
Chopper Freq = 534.0 Hz

PUMP INFO
Flow Rate = 5.948 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.2258 0.2254
MIN(V) 0.2224 0.2238

FILTER INFO
Filter 1 0.224 Zero = true
Filter 2 0.312 Zero = true
Filter 3 0.595 Zero = true

CALIBRATION CHECK
Xq = 0.0754 0.35%

INSTALLATION PASSED

Accuracy and Precision Check

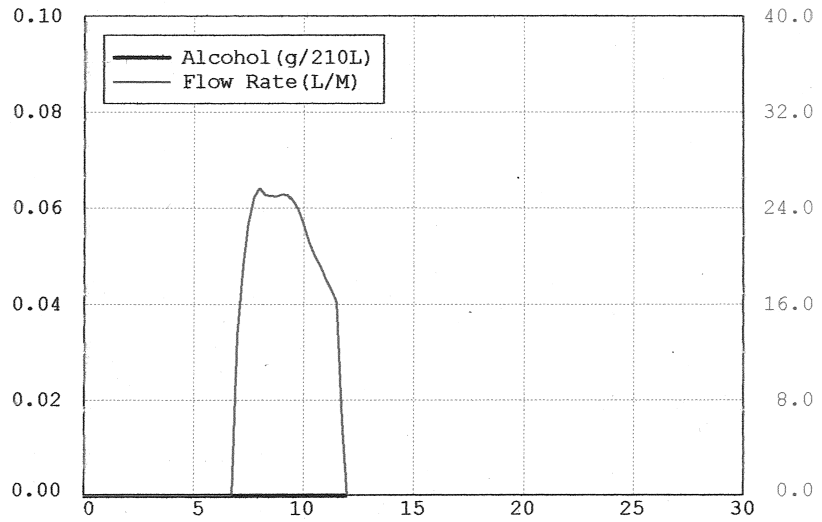
Concentration = 0.100 g/210L
Lot # = 98765
Average = 0.098 g/210L
Std Dev = 0.000

RFI Interference Test

RFI detected

Sample Acceptance Test

Passed



Performed by _____ **Date** 09/21/2009

Reviewed by _____ **Date** _____

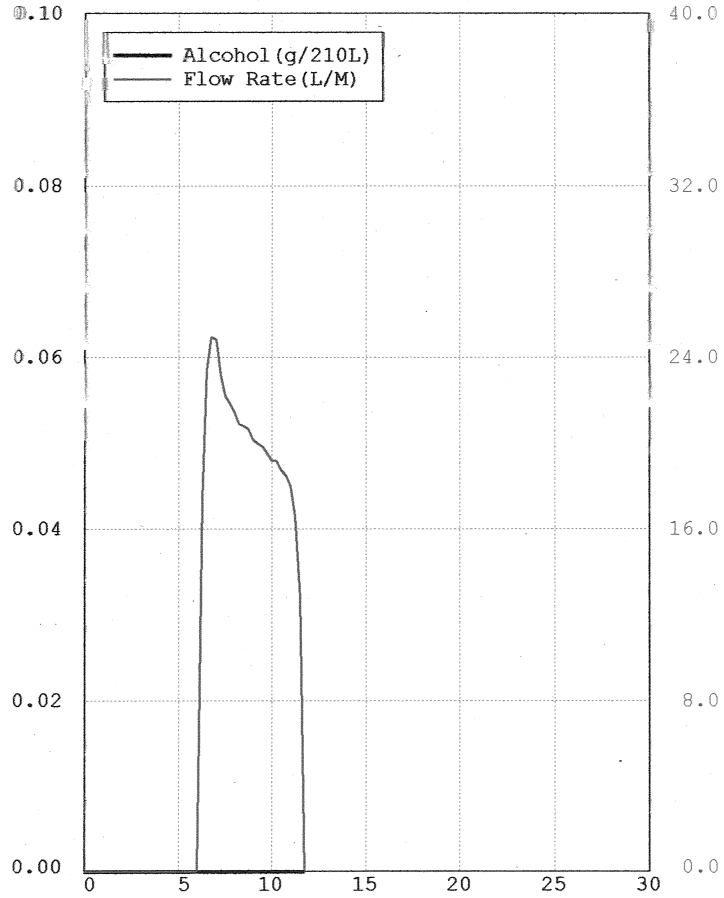
DUI Subject Test

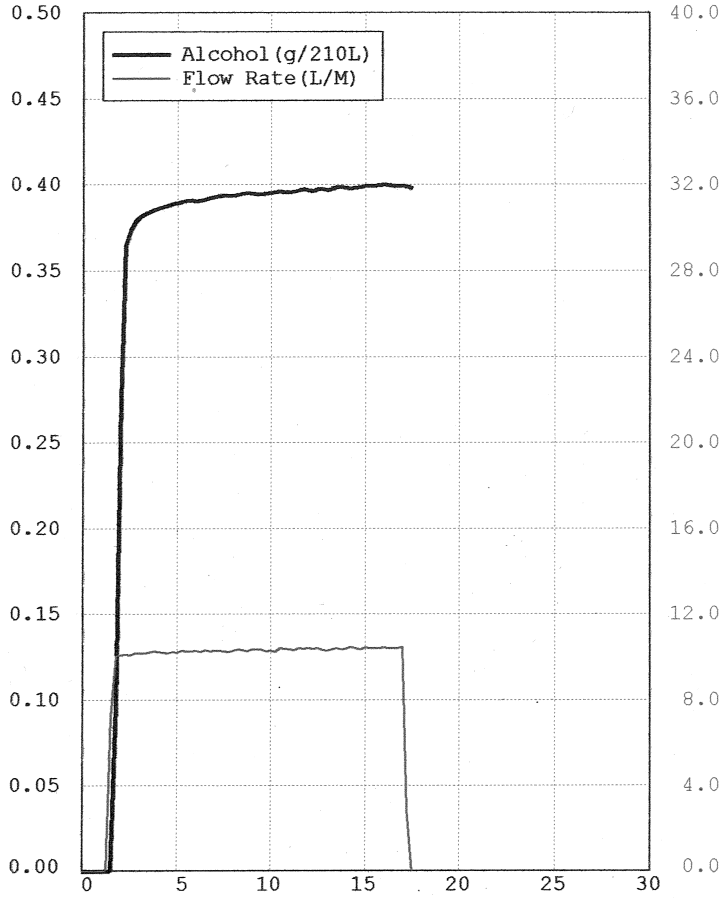
STATE OF VERMONT

DataMaster DMT: 103709
ADDISON COUNTY SO
Certification Date: 09/21/2009
Installation Date: 09/21/2009

Date: 09/23/2009
Time: 05:58:35

Obs. Period Start:		05:58
BLANK TEST	0.000	05:59
CALIBRATION CHECK	PASSED	05:59
Xq = 0.0748 (0.46%)		
SUBJECT SAMPLE (Vol=1.8L)	0.000	06:00
X[1] = 0.0000 (0.0000) (-0.0001)		
BLANK TEST	0.000	06:01
CALIBRATION CHECK	PASSED	06:01
Xq = 0.0748 (0.46%)		
SUBJECT SAMPLE (Vol=2.7L)	0.398	06:01
X[1] = 0.3986 (-0.0046) (0.0004)		





Check-In Confirmation Test

STATE OF VERMONT

DataMaster DMT: 103709
ADDISON COUNTY SO
Certification Date: 09/21/2009
Installation Date: 09/21/2009

Date: 09/21/2009
Time: 16:39:39

Subject Name: T T T
Date of Birth: 09/09/1900 Age: 109
Gender: M
License #:

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

BLANK TEST	0.000	16:40
CALIBRATION CHECK	PASSED	16:40
Xq = 0.0754 (0.35%)		
SIMULATOR VAPOR	0.097	16:41
X[1] = 0.0976 (-0.0002) (0.0017)		
BLANK TEST	0.000	16:42
SUBJECT SAMPLE (Vol=2.2L)	0.096	16:42
X[1] = 0.0968 (-0.0004) (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: 103709
Location: ADDISON COUNTY SO
Calibration Date: 09/21/2009
Certification Date: 09/21/2009
Installation Date: 09/21/2009
Test Date: 09/23/2009
Time: 06:18

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.15°C
Breath Tube    = 45.68°C

SETTINGS
Lamp Voltage   = 1.78 V
Cooler Voltage = 1.63 V
Bias Voltage   = 80.8 V
Chopper Freq   = 531.4 Hz

PUMP INFO
Flow Rate = 5.710 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.1959    0.1923
MIN(V)   0.1884    0.1908

FILTER INFO
Filter 1  0.191  Zero = true
Filter 2  0.279  Zero = true
Filter 3  0.542  Zero = true

CALIBRATION CHECK
Xq = 0.0749  0.35%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

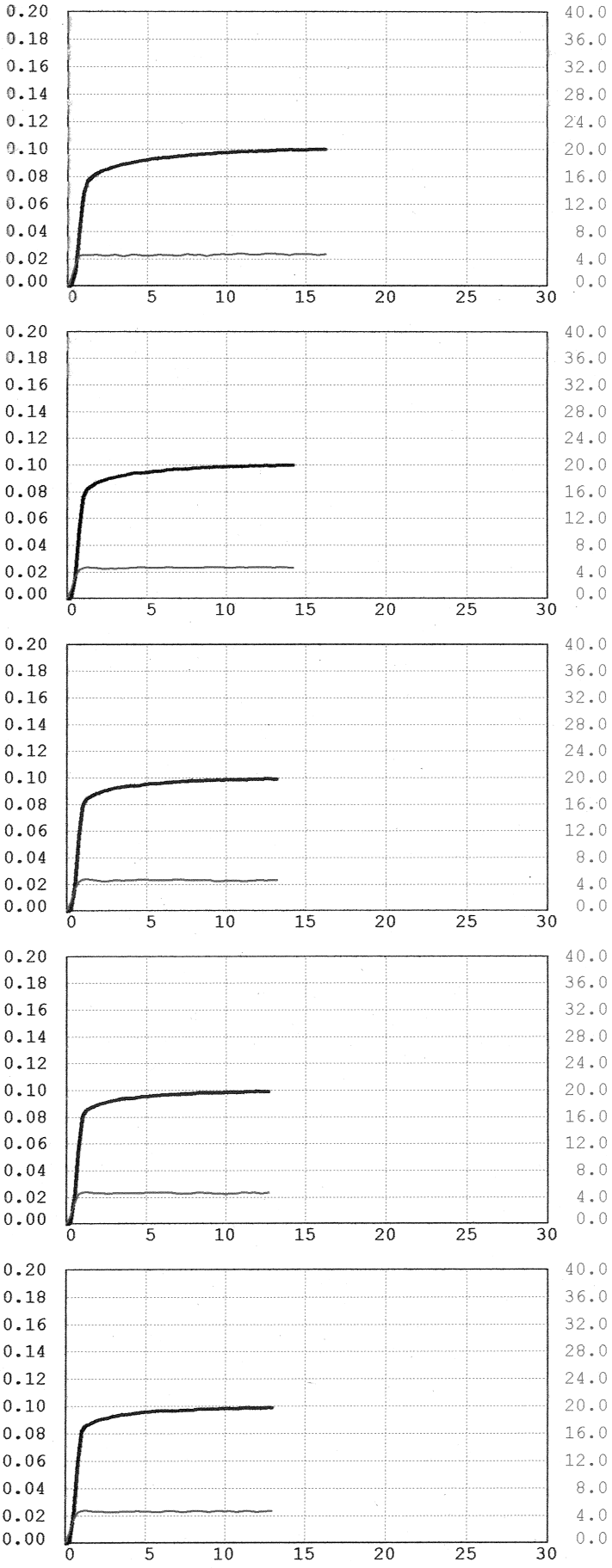
Date: 09/23/2009
Time: 05:38:54

SUPERVISOR NAME: J M K

SOLUTION LOT #: 123456789
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	05:39
CALIBRATION CHECK	PASSED	05:39
Xq = 0.0746 (0.69%)		
SIMULATOR VAPOR	0.100	05:40
X[1] = 0.1006 (0.0001) (-0.0017)		
SIMULATOR VAPOR	0.100	05:41
X[1] = 0.1005 (-0.0003) (-0.0009)		
SIMULATOR VAPOR	0.099	05:42
X[1] = 0.0998 (-0.0005) (-0.0014)		
SIMULATOR VAPOR	0.099	05:43
X[1] = 0.0997 (-0.0005) (-0.0009)		
SIMULATOR VAPOR	0.099	05:44
X[1] = 0.0997 (-0.0004) (-0.0008)		
BLANK TEST	0.000	05:45

Average = 0.099
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

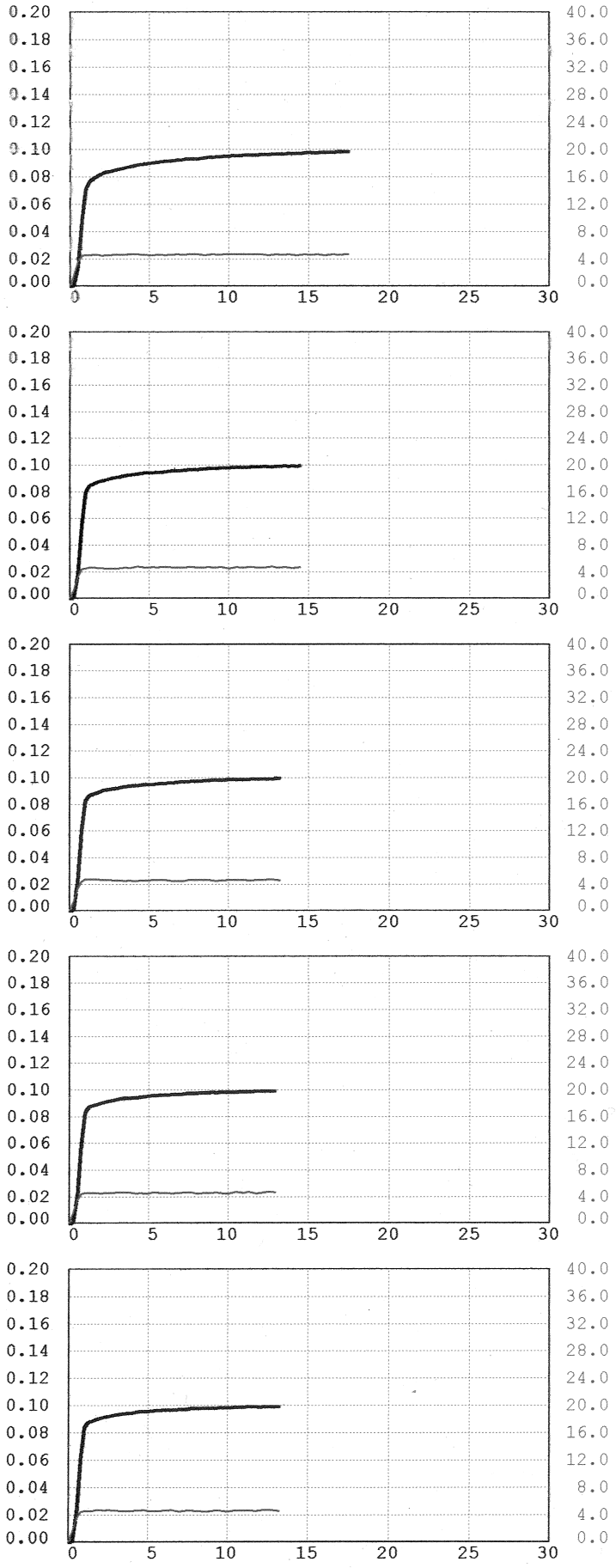
Date: 09/23/2009
Time: 05:48:42

SUPERVISOR NAME: SDRYFTHSDTHF S SDF

SOLUTION LOT #: 465678
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	05:49
CALIBRATION CHECK	PASSED	05:49
Xq = 0.0748 (0.46%)		
SIMULATOR VAPOR	0.098	05:50
X[1] = 0.0988 (-0.0007) (-0.0006)		
SIMULATOR VAPOR	0.099	05:51
X[1] = 0.0999 (-0.0002) (-0.0004)		
SIMULATOR VAPOR	0.099	05:52
X[1] = 0.0996 (-0.0005) (-0.0002)		
SIMULATOR VAPOR	0.099	05:53
X[1] = 0.0997 (-0.0004) (-0.0004)		
SIMULATOR VAPOR	0.100	05:54
X[1] = 0.1000 (-0.0001) (-0.0003)		
BLANK TEST	0.000	05:55

Average = 0.099
Std Dev = 0.0007



Section 3: Power-Up Tests

CALIBRATION REPORT

DataMaster DMT: 103709
Calibration Date: 10/08/2009
Calibrated by: A L B
Lot: 10-02-100

VERMONT
DEPARTMENT OF HEALTH

```
Ca  =  0.101000
CAL =  1.012778    0.800 <= CAL < 1.200
b1  =  0.000000    0.000 <=  b1 < 0.004
b2  =  0.002706    0.001 <=  b2 < 0.012
b3  =  0.000000    0.000 <=  b3 < 0.004
Xq  =  0.075209    0.050 <=  Xq < 0.200
a21 =  1.120571    1.050 <= a21 < 1.300
a31 =  0.469817    0.300 <= a31 < 0.800
```

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

CERTIFICATION REPORT

DataMaster DMT: 103709
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 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.09°C
Breath Tube = 44.71°C

SETTINGS
Lamp Voltage = 1.78 V
Cooler Voltage = 1.71 V
Bias Voltage = 80.8 V
Chopper Freq = 537.4 Hz

PUMP INFO
Flow Rate = 5.908 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.0785 0.0801
MIN(V) 0.0770 0.0787

FILTER INFO
Filter 1 0.079 Zero = true
Filter 2 0.167 Zero = true
Filter 3 0.451 Zero = true

CALIBRATION CHECK
Xq = 0.0747 0.58%

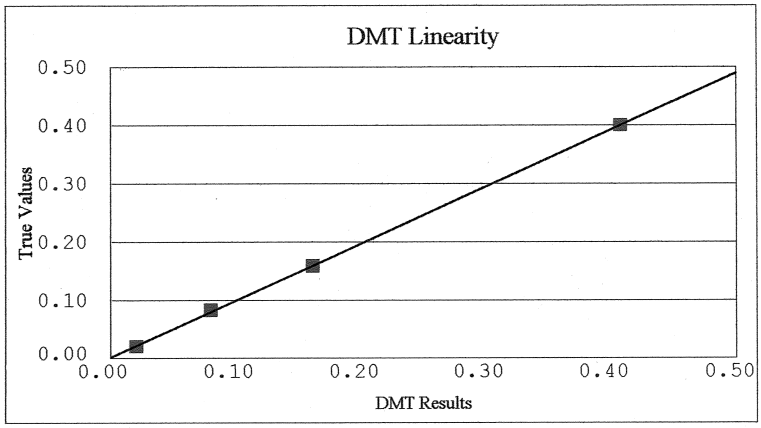
Options

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 Lot # 09-34-020	0.021 g/210L	0.001
0.083 g/210L Lot # 09-43-080	0.080 g/210L	0.001
0.159 g/210L Lot # 09-38-160	0.161 g/210L	0.001
0.400 g/210L Lot # NOMINAL	0.408 g/210L	0.000

$R^2 = 0.9999$



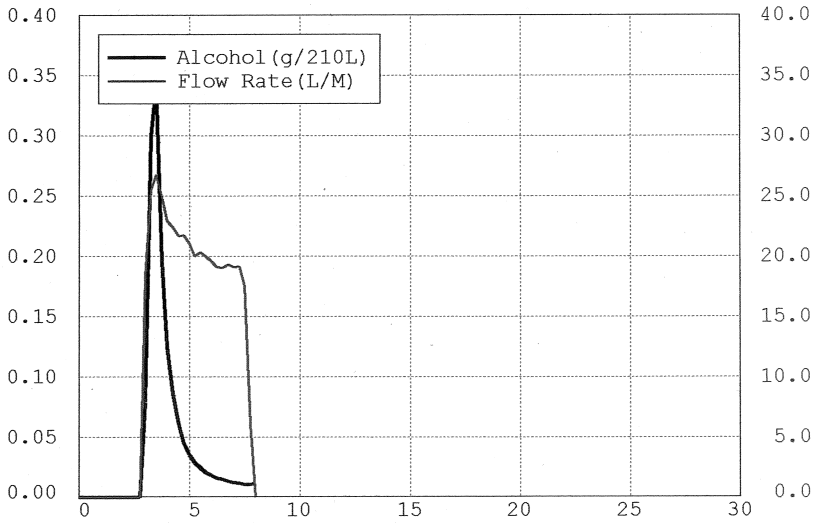
Acetone Interference Test

Lot # 10-05-08A1

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

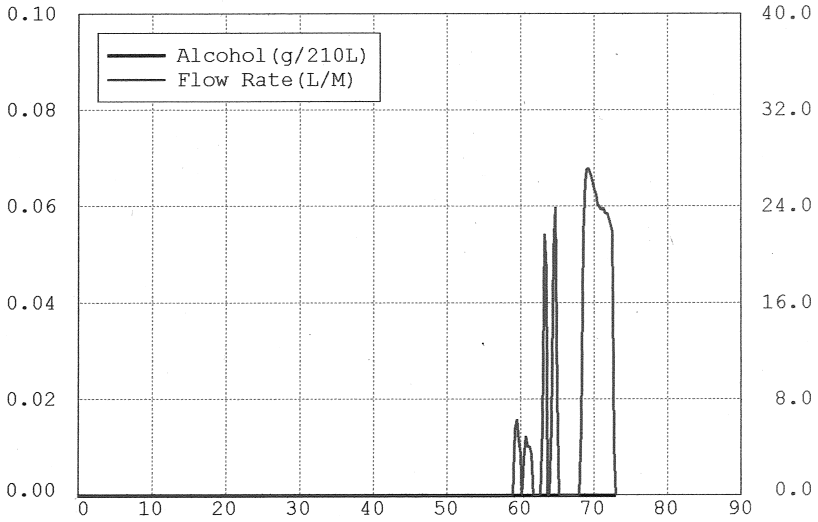


RF Interference Test

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: 103709

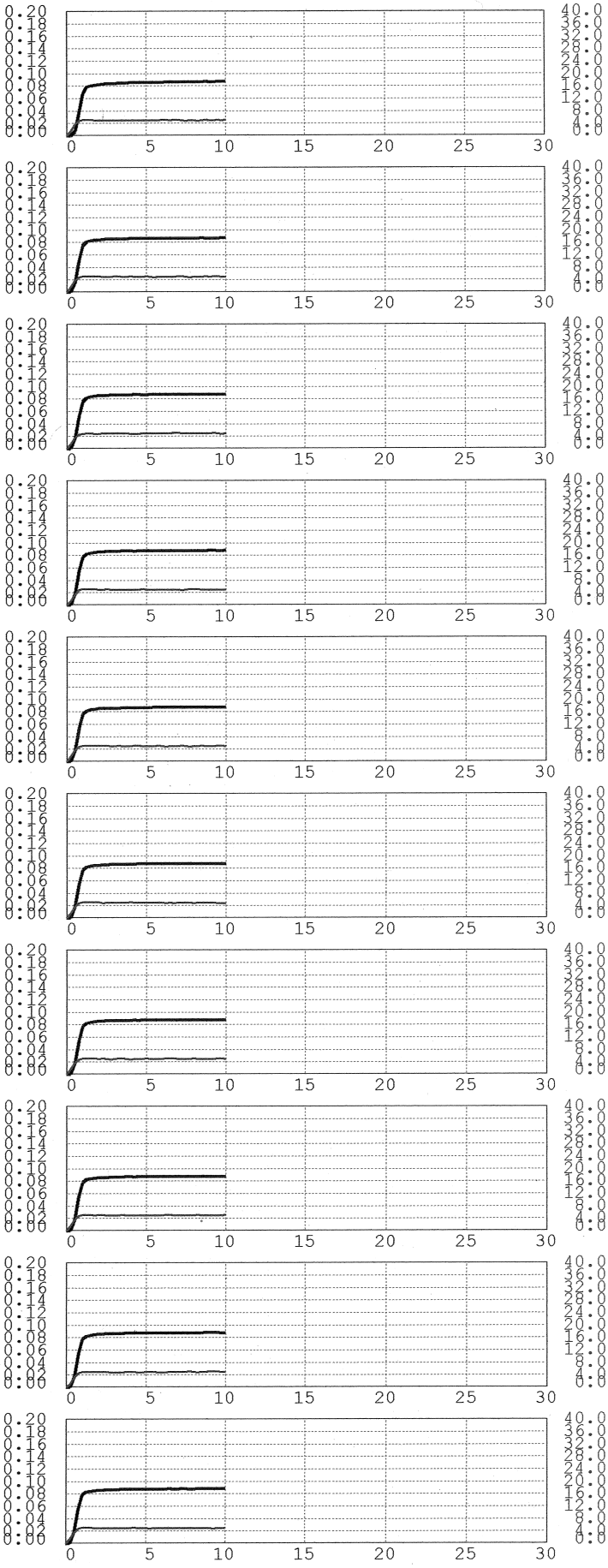
Date: 10/09/2009
Time: 11:33:47

SUPERVISOR NAME: ALB .01ACETONE IN .08ETOH

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

BLANK TEST	0.000	11:34
CALIBRATION CHECK	PASSED	11:34
SIMULATOR VAPOR	INTERFERENCE	11:35
SIMULATOR VAPOR	INTERFERENCE	11:36
SIMULATOR VAPOR	INTERFERENCE	11:37
SIMULATOR VAPOR	INTERFERENCE	11:38
SIMULATOR VAPOR	INTERFERENCE	11:39
SIMULATOR VAPOR	INTERFERENCE	11:40
SIMULATOR VAPOR	INTERFERENCE	11:41
SIMULATOR VAPOR	INTERFERENCE	11:42
SIMULATOR VAPOR	INTERFERENCE	11:43
SIMULATOR VAPOR	INTERFERENCE	11:44
BLANK TEST	0.000	11:44

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

Date: 10/09/2009
Time: 13:22:16

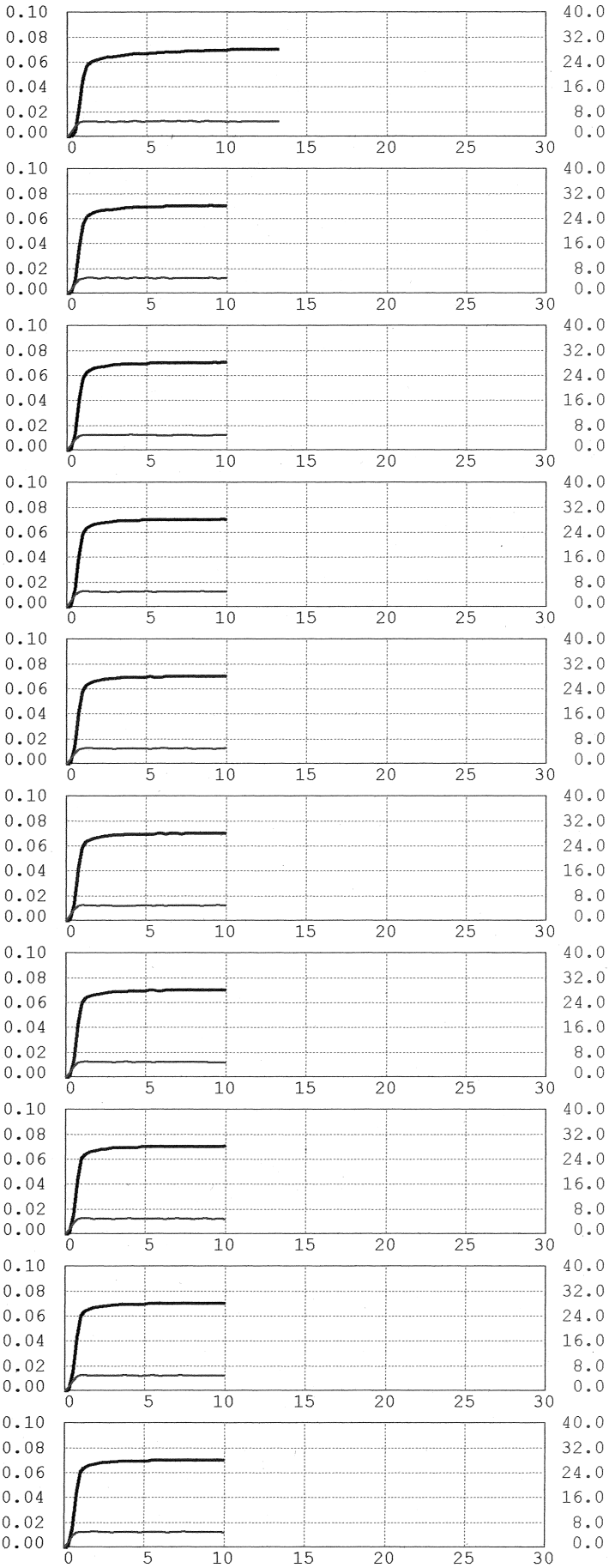
SUPERVISOR NAME: ALB ~~IPA~~ n-propanol IN H20

SOLUTION LOT #: 10-~~06~~-04I 06

SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	13:23
CALIBRATION CHECK	PASSED	13:23
SIMULATOR VAPOR	INTERFERENCE	13:23
SIMULATOR VAPOR	INTERFERENCE	13:24
SIMULATOR VAPOR	INTERFERENCE	13:25
SIMULATOR VAPOR	INTERFERENCE	13:26
SIMULATOR VAPOR	INTERFERENCE	13:27
SIMULATOR VAPOR	INTERFERENCE	13:28
SIMULATOR VAPOR	INTERFERENCE	13:29
SIMULATOR VAPOR	INTERFERENCE	13:30
SIMULATOR VAPOR	INTERFERENCE	13:31
SIMULATOR VAPOR	INTERFERENCE	13:32
BLANK TEST	0.000	13:33

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

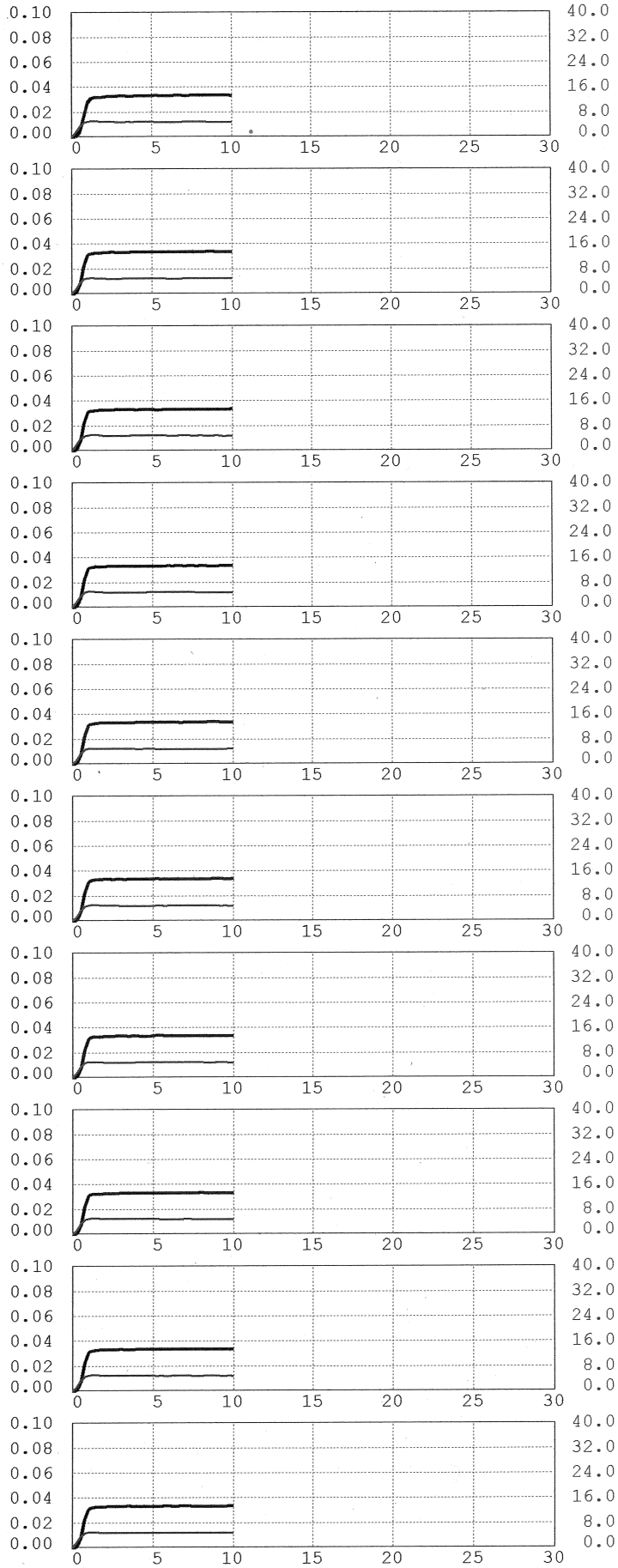
Date: 10/09/2009
Time: 13:36:37

SUPERVISOR NAME: ALB MEOH IN H2O

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

BLANK TEST	0.000	13:37
CALIBRATION CHECK	PASSED	13:37
SIMULATOR VAPOR	INTERFERENCE	13:37
SIMULATOR VAPOR	INTERFERENCE	13:38
SIMULATOR VAPOR	INTERFERENCE	13:39
SIMULATOR VAPOR	INTERFERENCE	13:40
SIMULATOR VAPOR	INTERFERENCE	13:41
SIMULATOR VAPOR	INTERFERENCE	13:42
SIMULATOR VAPOR	INTERFERENCE	13:43
SIMULATOR VAPOR	INTERFERENCE	13:44
SIMULATOR VAPOR	INTERFERENCE	13:45
SIMULATOR VAPOR	INTERFERENCE	13:46
BLANK TEST	0.000	13:47

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

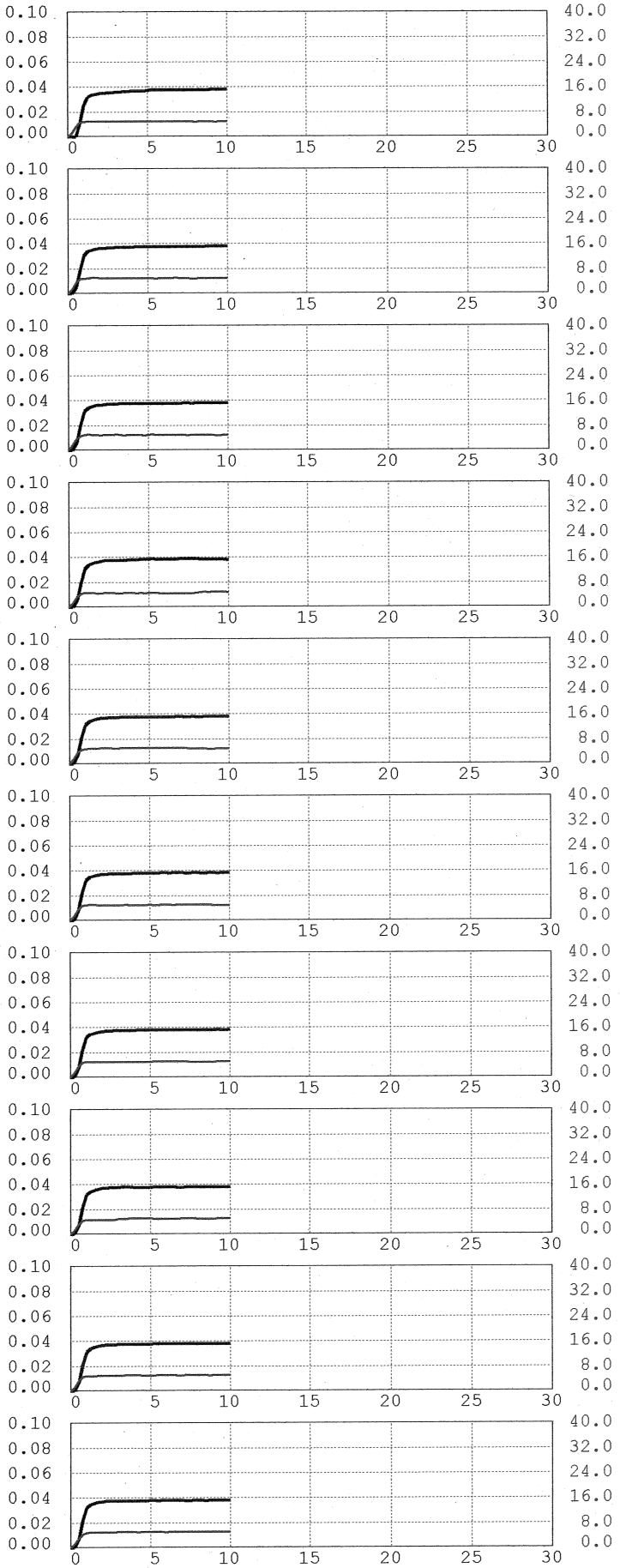
DataMaster DMT: 103709

Date: 10/21/2009
Time: 14:31:49

SUPERVISOR NAME: ALB .04 IPA IN H2O

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

BLANK TEST	0.000	14:32
CALIBRATION CHECK	PASSED	14:32
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	14:42



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

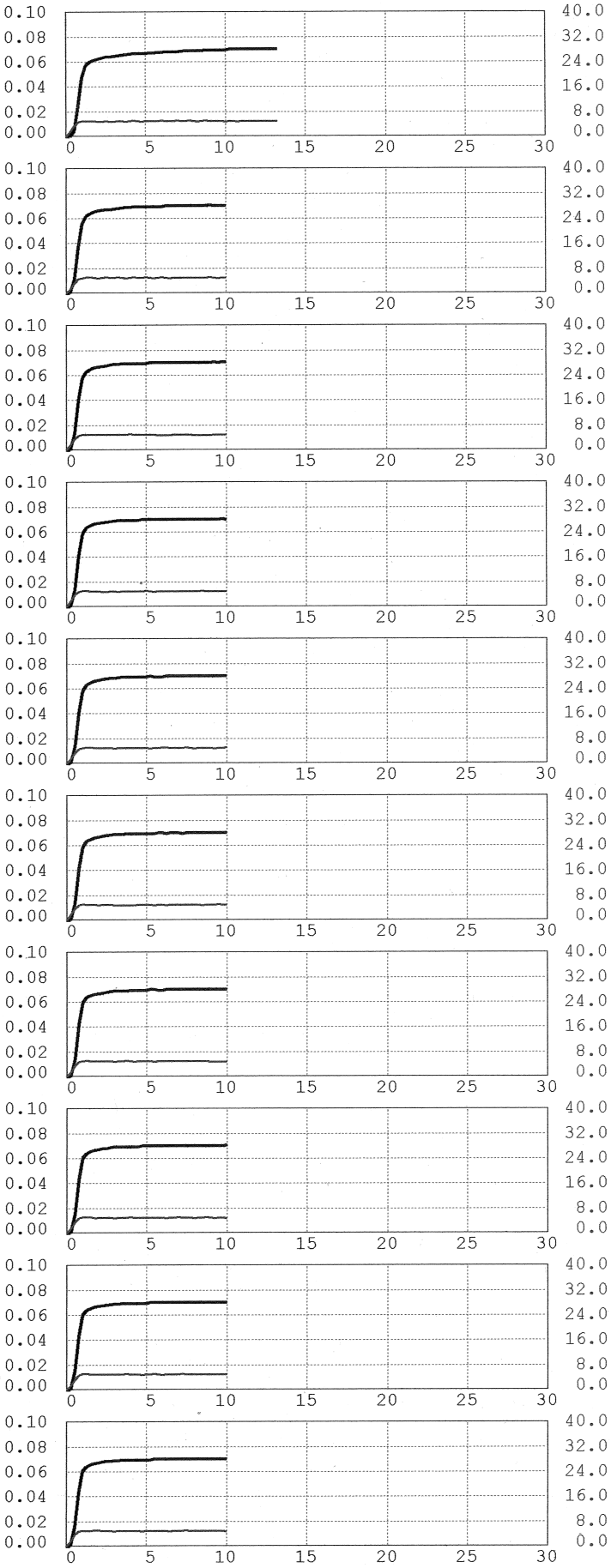
Date: 10/09/2009
Time: 13:22:16

SUPERVISOR NAME: ALB ~~IPA~~ nprapanol IN H20

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

BLANK TEST	0.000	13:23
CALIBRATION CHECK	PASSED	13:23
Xq = 0.0751 (0.12%)		
SIMULATOR VAPOR	INTERFERENCE	13:23
X[1] = 0.0707 (-0.0169) (0.0001)		
SIMULATOR VAPOR	INTERFERENCE	13:24
X[1] = 0.0708 (-0.0167) (-0.0004)		
SIMULATOR VAPOR	INTERFERENCE	13:25
X[1] = 0.0710 (-0.0169) (-0.0010)		
SIMULATOR VAPOR	INTERFERENCE	13:26
X[1] = 0.0710 (-0.0173) (-0.0003)		
SIMULATOR VAPOR	INTERFERENCE	13:27
X[1] = 0.0706 (-0.0176) (-0.0009)		
SIMULATOR VAPOR	INTERFERENCE	13:28
X[1] = 0.0707 (-0.0170) (-0.0004)		
SIMULATOR VAPOR	INTERFERENCE	13:29
X[1] = 0.0707 (-0.0174) (-0.0005)		
SIMULATOR VAPOR	INTERFERENCE	13:30
X[1] = 0.0711 (-0.0167) (0.0000)		
SIMULATOR VAPOR	INTERFERENCE	13:31
X[1] = 0.0705 (-0.0175) (-0.0009)		
SIMULATOR VAPOR	INTERFERENCE	13:32
X[1] = 0.0706 (-0.0170) (-0.0003)		
BLANK TEST	0.000	13:33

Average out of range!



Section 4: Linearity

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

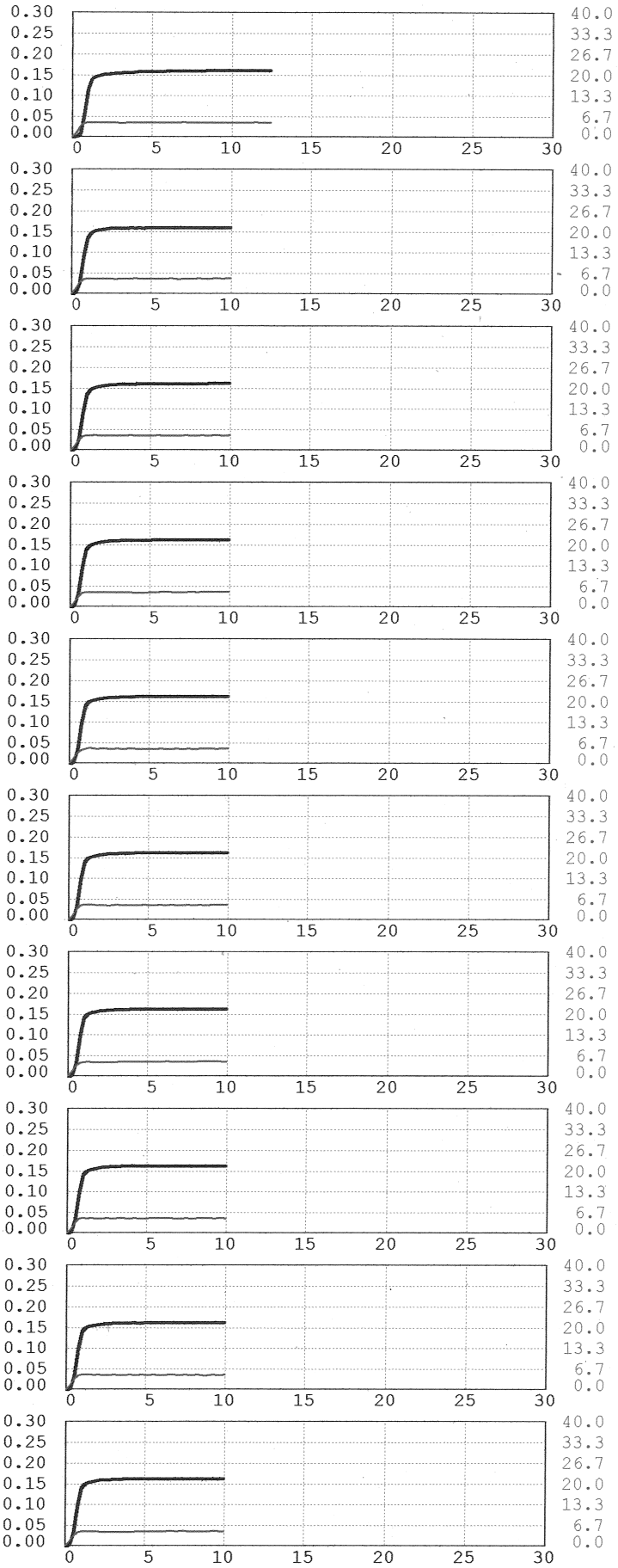
Date: 11/03/2009
Time: 07:08:07

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	07:09
CALIBRATION CHECK	PASSED	07:09
SIMULATOR VAPOR	0.160	07:09
SIMULATOR VAPOR	0.159	07:10
SIMULATOR VAPOR	0.160	07:11
SIMULATOR VAPOR	0.161	07:12
SIMULATOR VAPOR	0.161	07:13
SIMULATOR VAPOR	0.161	07:14
SIMULATOR VAPOR	0.161	07:15
SIMULATOR VAPOR	0.162	07:16
SIMULATOR VAPOR	0.161	07:17
SIMULATOR VAPOR	0.162	07:18
BLANK TEST	0.000	07:19

Average = 0.160
Std Dev = 0.0009



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

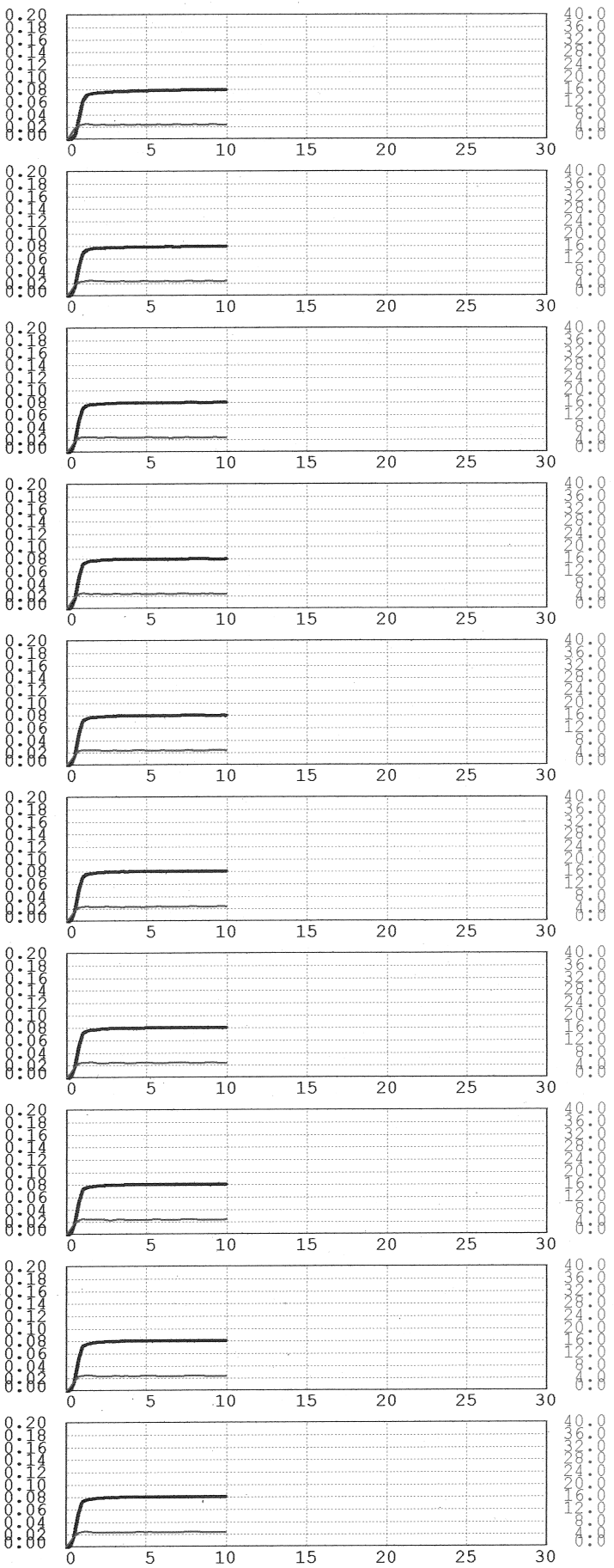
Date: 11/03/2009
Time: 07:40:18

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	07:41
CALIBRATION CHECK	PASSED	07:41
SIMULATOR VAPOR	0.079	07:41
SIMULATOR VAPOR	0.079	07:42
SIMULATOR VAPOR	0.079	07:43
SIMULATOR VAPOR	0.080	07:44
SIMULATOR VAPOR	0.080	07:45
SIMULATOR VAPOR	0.080	07:46
SIMULATOR VAPOR	0.080	07:47
SIMULATOR VAPOR	0.080	07:48
SIMULATOR VAPOR	0.080	07:49
SIMULATOR VAPOR	0.080	07:50
BLANK TEST	0.000	07:51

Average = 0.079
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

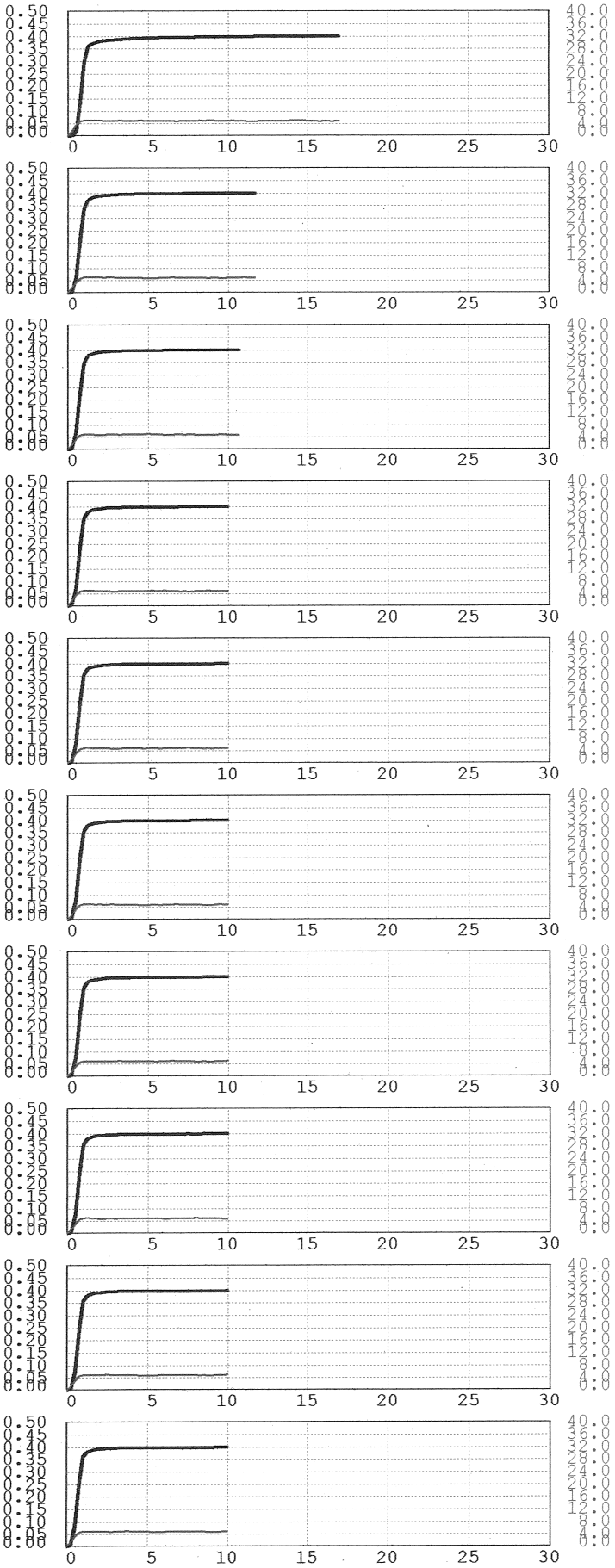
Date: 11/03/2009
Time: 11:21:40

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	11:22
CALIBRATION CHECK	PASSED	11:22
SIMULATOR VAPOR	0.397	11:23
SIMULATOR VAPOR	0.396	11:24
SIMULATOR VAPOR	0.396	11:25
SIMULATOR VAPOR	0.396	11:26
SIMULATOR VAPOR	0.396	11:27
SIMULATOR VAPOR	0.396	11:28
SIMULATOR VAPOR	0.396	11:29
SIMULATOR VAPOR	0.396	11:30
SIMULATOR VAPOR	0.396	11:31
SIMULATOR VAPOR	0.396	11:32
BLANK TEST	0.000	11:33

Average = 0.396
Std Dev = 0.0003



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

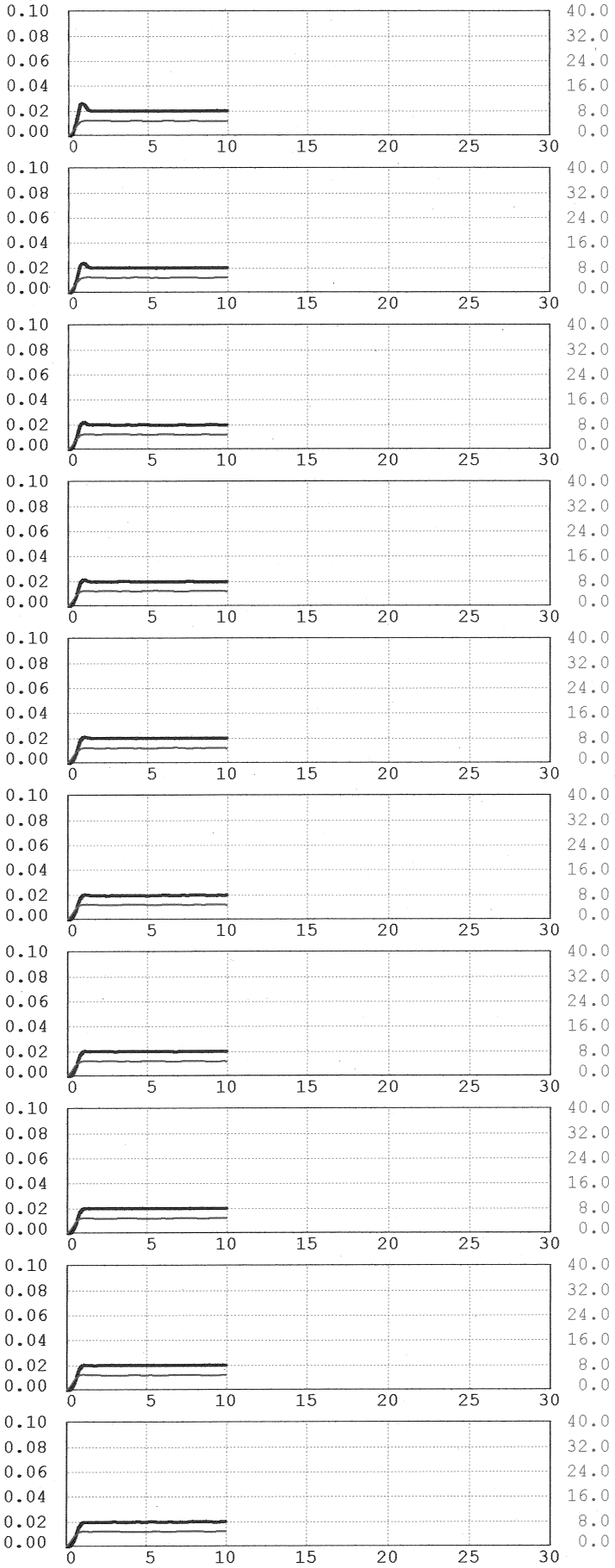
Date: 11/03/2009
Time: 11:36:21

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	11:37
CALIBRATION CHECK	PASSED	11:37
SIMULATOR VAPOR	0.020	11:37
SIMULATOR VAPOR	0.020	11:38
SIMULATOR VAPOR	0.020	11:39
SIMULATOR VAPOR	0.020	11:40
SIMULATOR VAPOR	0.020	11:41
SIMULATOR VAPOR	0.020	11:42
SIMULATOR VAPOR	0.020	11:43
SIMULATOR VAPOR	0.020	11:44
SIMULATOR VAPOR	0.020	11:45
SIMULATOR VAPOR	0.019	11:46
BLANK TEST	0.000	11:47

Average = 0.019
Std Dev = 0.0003



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

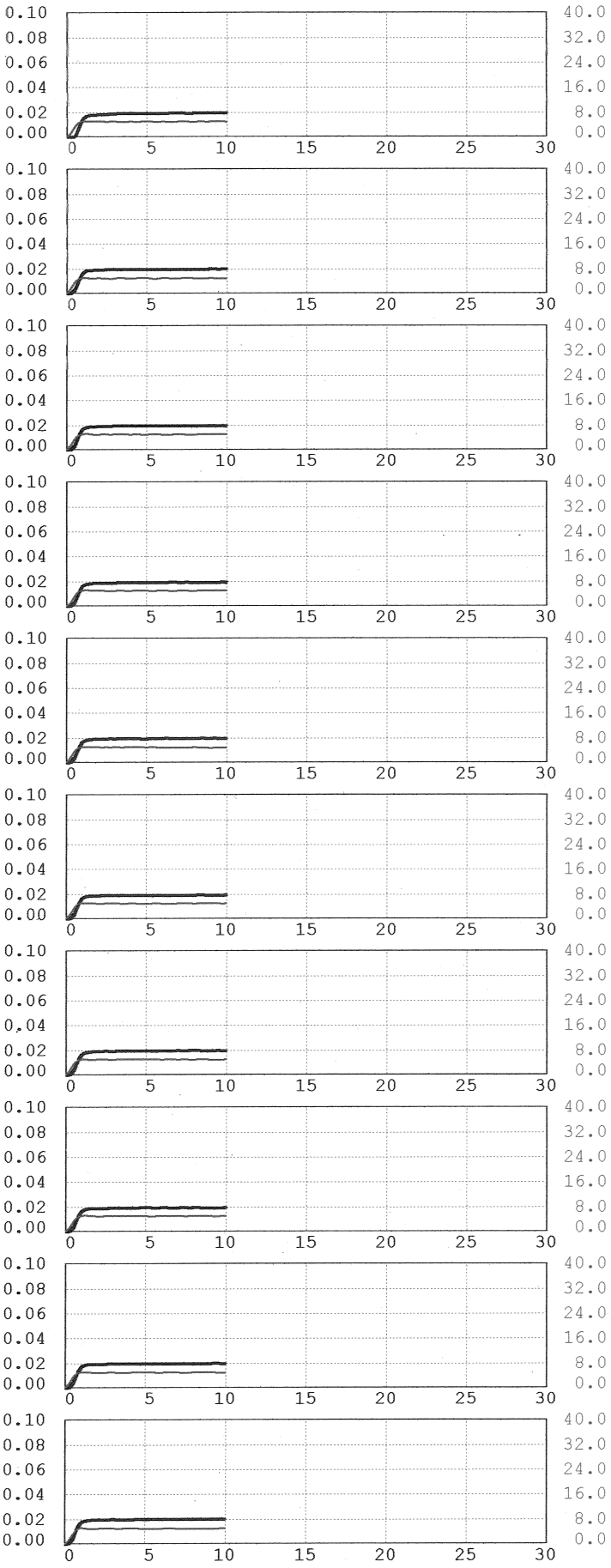
Date: 11/12/2009
Time: 11:00:10

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	11:01
CALIBRATION CHECK	PASSED	11:01
SIMULATOR VAPOR	0.020	11:01
SIMULATOR VAPOR	0.020	11:02
SIMULATOR VAPOR	0.020	11:03
SIMULATOR VAPOR	0.020	11:04
SIMULATOR VAPOR	0.020	11:05
SIMULATOR VAPOR	0.019	11:06
SIMULATOR VAPOR	0.020	11:07
SIMULATOR VAPOR	0.019	11:08
SIMULATOR VAPOR	0.020	11:09
SIMULATOR VAPOR	0.020	11:10
BLANK TEST	0.000	11:11

Average = 0.019
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

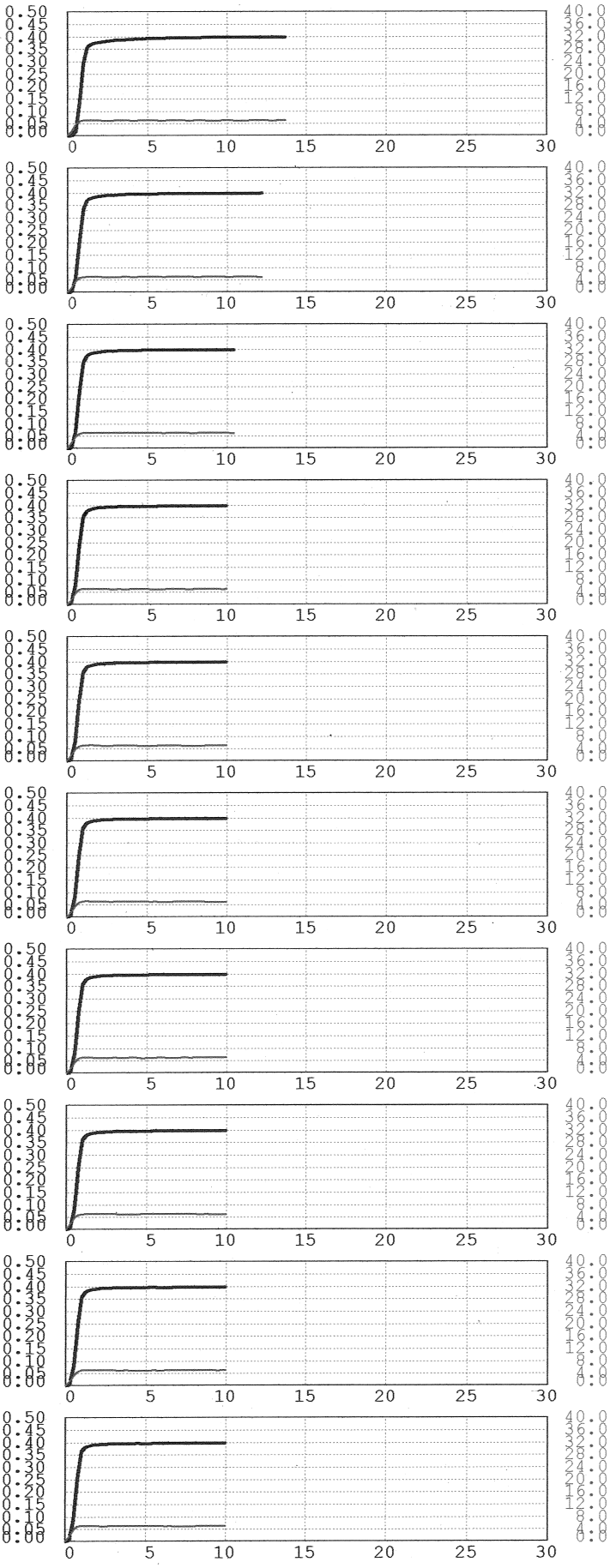
Date: 11/12/2009
Time: 11:29:24

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	11:30
CALIBRATION CHECK	PASSED	11:30
SIMULATOR VAPOR	0.395	11:30
SIMULATOR VAPOR	0.395	11:32
SIMULATOR VAPOR	0.395	11:33
SIMULATOR VAPOR	0.394	11:34
SIMULATOR VAPOR	0.394	11:35
SIMULATOR VAPOR	0.395	11:36
SIMULATOR VAPOR	0.395	11:37
SIMULATOR VAPOR	0.395	11:38
SIMULATOR VAPOR	0.394	11:39
SIMULATOR VAPOR	0.395	11:40
BLANK TEST	0.000	11:41

Average = 0.394
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

Date: 11/13/2009
Time: 06:51:17

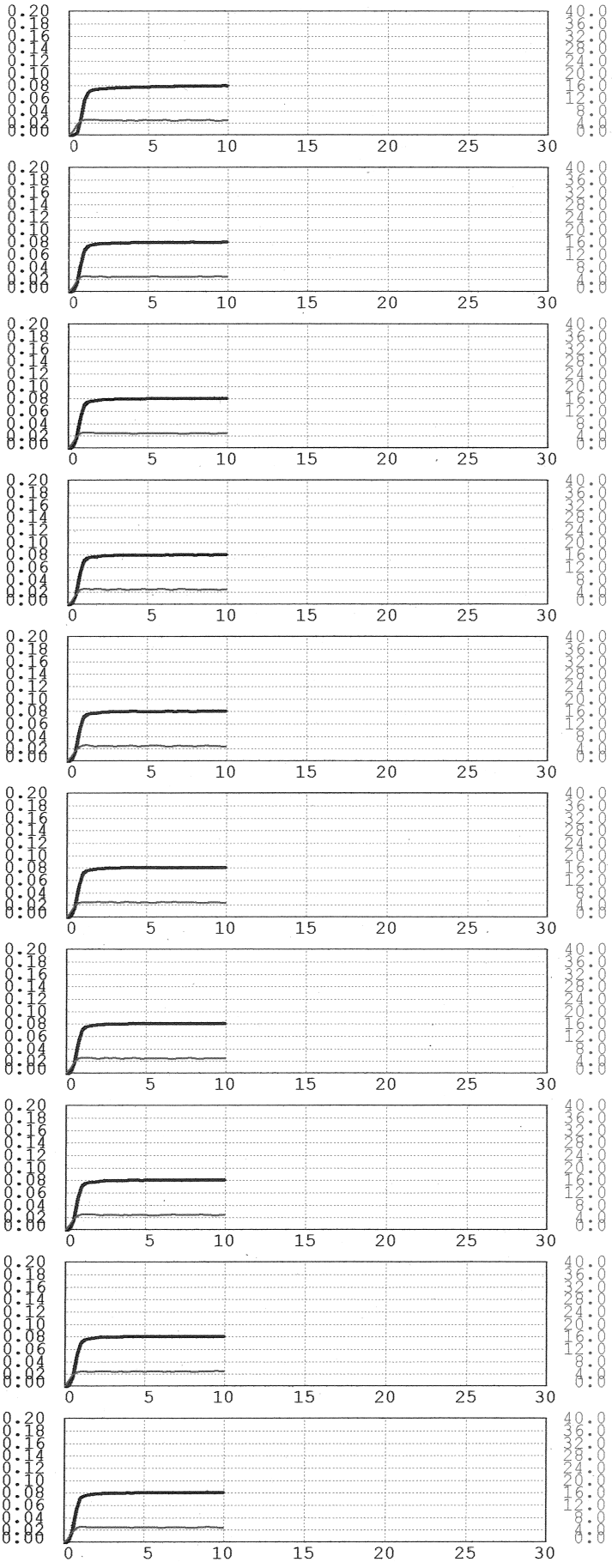
SUPERVISOR NAME: A L B

SOLUTION LOT #: 09-43-080
SOLUTION CONCENTRATION: ~~0.830~~ .083 (A)

BLANK TEST	0.000	06:52
CALIBRATION CHECK	PASSED	06:52
SIMULATOR VAPOR	0.080	06:52
SIMULATOR VAPOR	0.080	06:53
SIMULATOR VAPOR	0.080	06:54
SIMULATOR VAPOR	0.080	06:55
SIMULATOR VAPOR	0.080	06:56
SIMULATOR VAPOR	0.080	06:57
SIMULATOR VAPOR	0.080	06:58
SIMULATOR VAPOR	0.080	06:59
SIMULATOR VAPOR	0.080	07:00
SIMULATOR VAPOR	0.080	07:01
BLANK TEST	0.000	07:02

Average out of range!

Average = 0.080
Std Dev = 0.0000



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

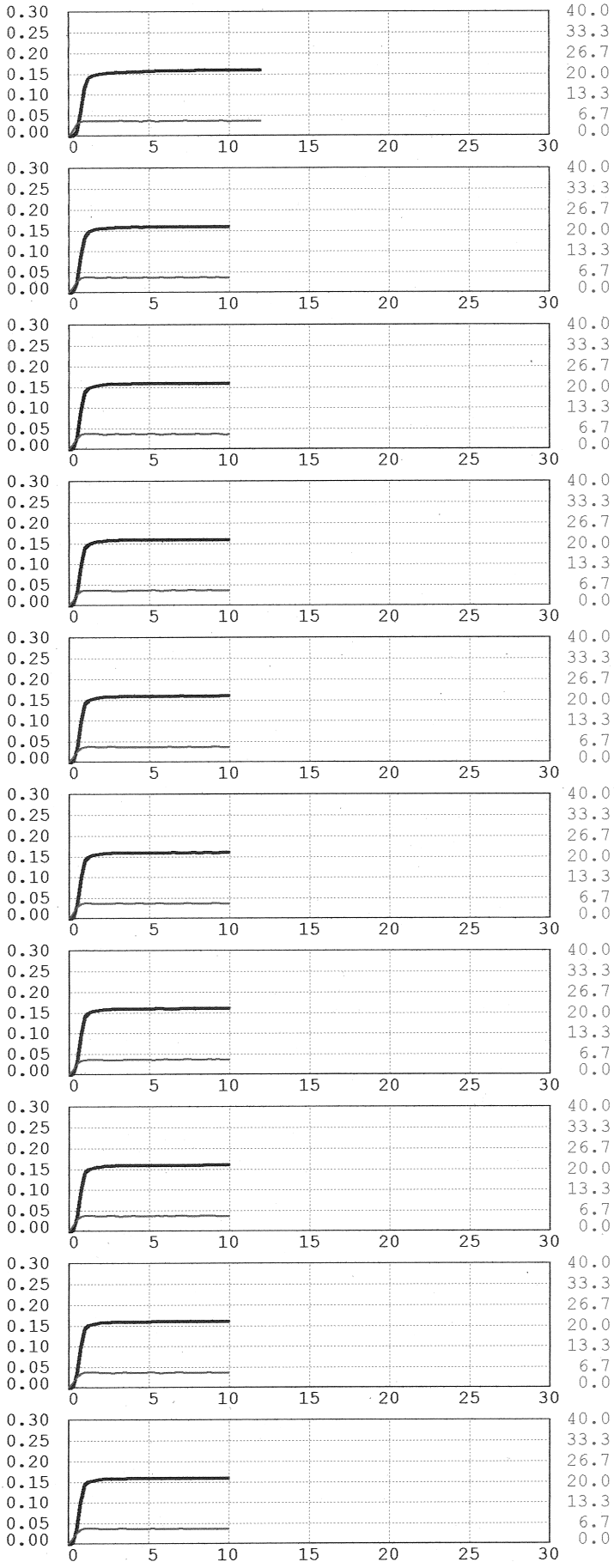
Date: 11/13/2009
Time: 08:41:55

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:42
CALIBRATION CHECK	PASSED	08:42
SIMULATOR VAPOR	0.159	08:43
SIMULATOR VAPOR	0.159	08:44
SIMULATOR VAPOR	0.159	08:45
SIMULATOR VAPOR	0.159	08:46
SIMULATOR VAPOR	0.159	08:47
SIMULATOR VAPOR	0.159	08:48
SIMULATOR VAPOR	0.159	08:49
SIMULATOR VAPOR	0.159	08:50
SIMULATOR VAPOR	0.160	08:51
SIMULATOR VAPOR	0.159	08:52
BLANK TEST	0.000	08:53

Average = 0.159
Std Dev = 0.0003



DIAGNOSTIC RESULT

DataMaster DMT: 103709
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/13/2009
Time: 13:14

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.97°C
Breath Tube    = 47.66°C

SETTINGS
Lamp Voltage   = 1.78 V
Cooler Voltage = 1.71 V
Bias Voltage   = 80.8 V
Chopper Freq   = 540.3 Hz

PUMP INFO
Flow Rate = 5.938 L/M

DETECTOR INFO
PUMP     ON       OFF
MAX(V)   0.0585   0.0567
MIN(V)   0.0539   0.0551

FILTER INFO
Filter 1   0.056   Zero = true
Filter 2   0.148   Zero = true
Filter 3   0.463   Zero = true

CALIBRATION CHECK
Xq = 0.0749   0.35%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

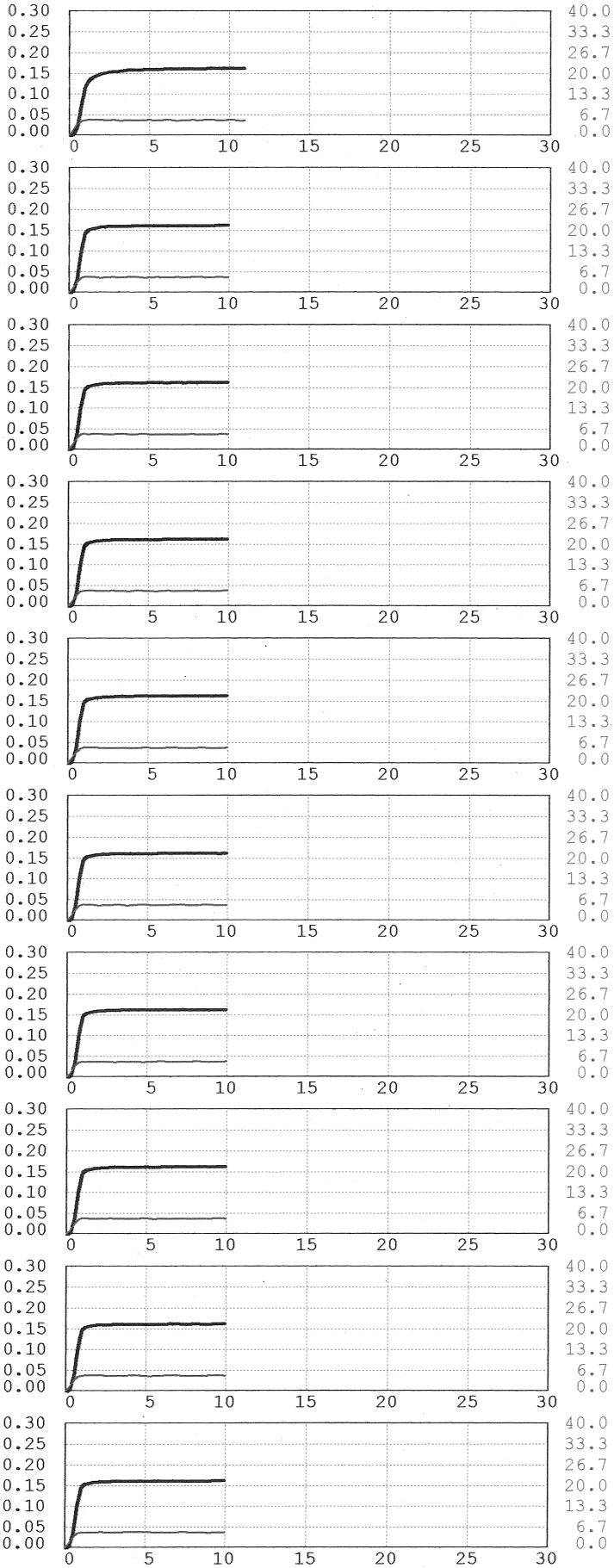
Date: 11/13/2009
Time: 10:17:49

SUPERVISOR NAME: DARCY M RICHARDSON

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

BLANK TEST	0.000	10:18
CALIBRATION CHECK	PASSED	10:18
SIMULATOR VAPOR	0.160	10:19
SIMULATOR VAPOR	0.160	10:20
SIMULATOR VAPOR	0.161	10:21
SIMULATOR VAPOR	0.160	10:22
SIMULATOR VAPOR	0.161	10:23
SIMULATOR VAPOR	0.160	10:24
SIMULATOR VAPOR	0.161	10:25
SIMULATOR VAPOR	0.161	10:26
SIMULATOR VAPOR	0.160	10:27
SIMULATOR VAPOR	0.160	10:28
BLANK TEST	0.000	10:28

Average = 0.160
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

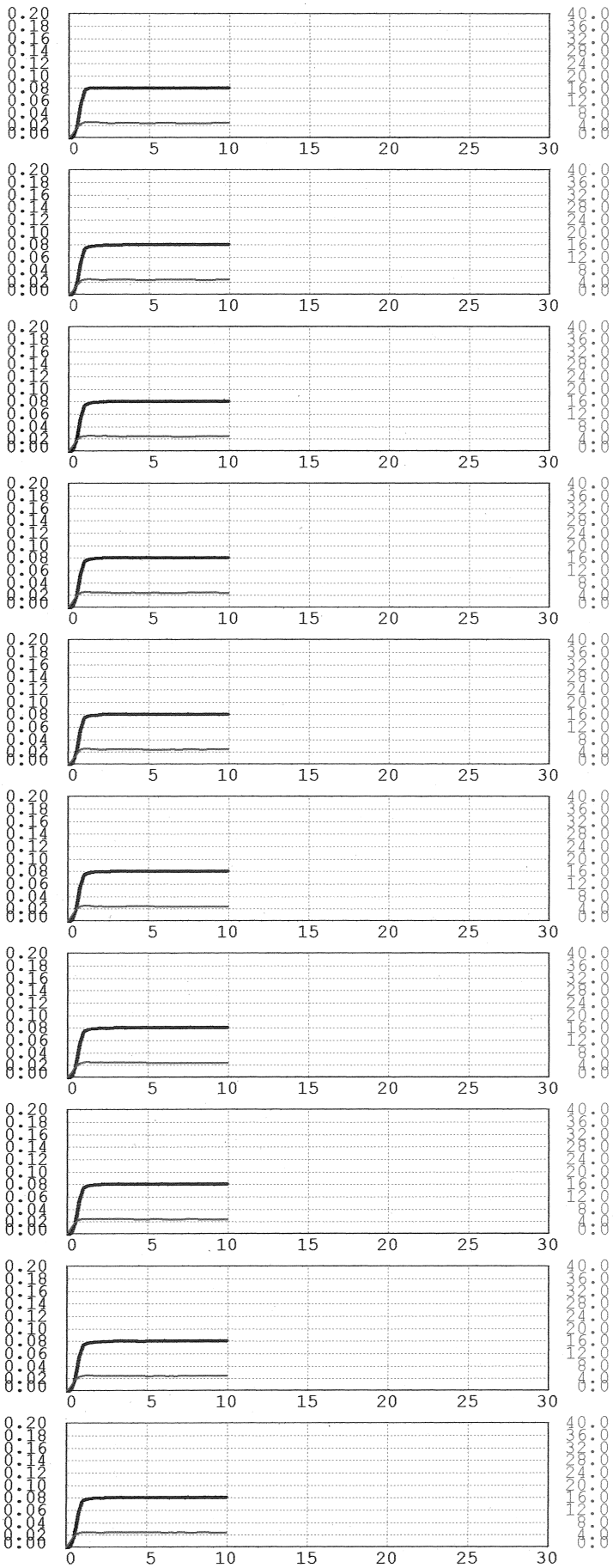
Date: 11/13/2009
Time: 10:50:46

SUPERVISOR NAME: DARCY M RICHARDSON

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

BLANK TEST	0.000	10:51
CALIBRATION CHECK	PASSED	10:51
SIMULATOR VAPOR	0.080	10:52
SIMULATOR VAPOR	0.080	10:53
SIMULATOR VAPOR	0.080	10:54
SIMULATOR VAPOR	0.080	10:55
SIMULATOR VAPOR	0.080	10:56
SIMULATOR VAPOR	0.080	10:57
SIMULATOR VAPOR	0.080	10:58
SIMULATOR VAPOR	0.080	10:59
SIMULATOR VAPOR	0.080	11:00
SIMULATOR VAPOR	0.080	11:01
BLANK TEST	0.000	11:01

Average = 0.080
Std Dev = 0.0000



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

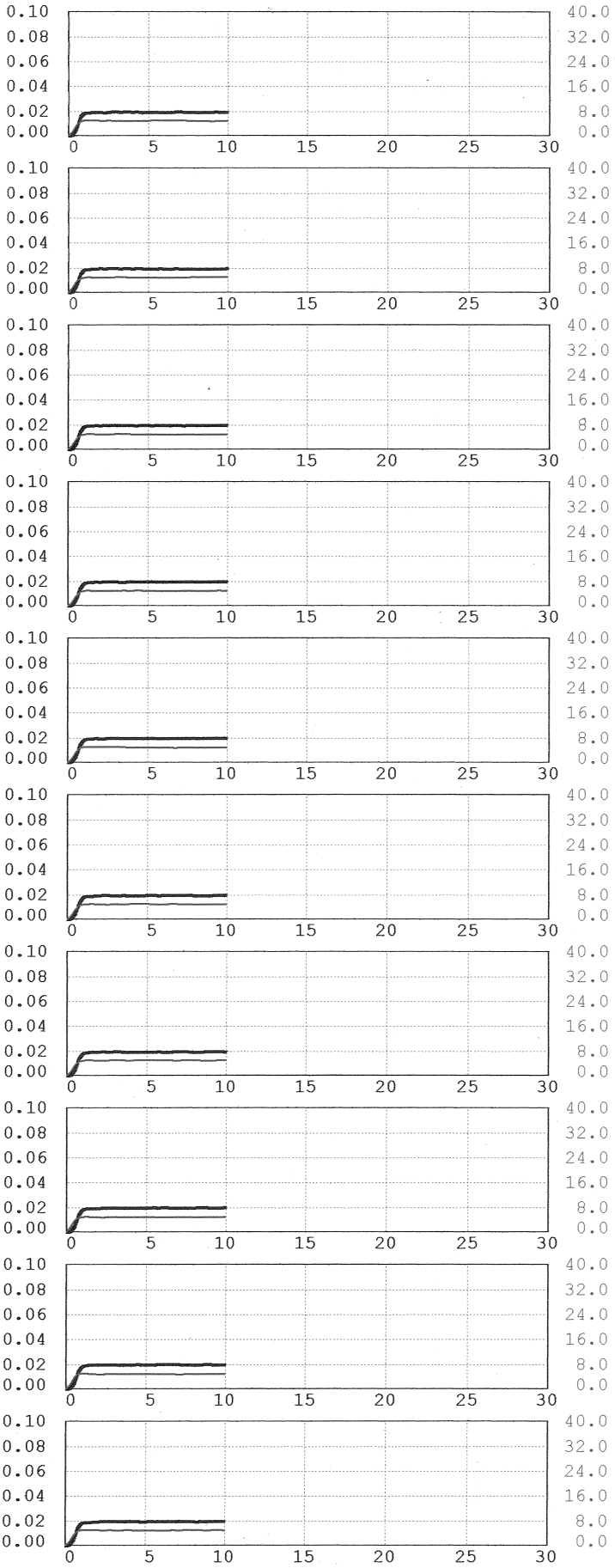
Date: 11/13/2009
Time: 11:24:51

SUPERVISOR NAME: DARCY M RICHARDSON

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

BLANK TEST	0.000	11:25
CALIBRATION CHECK	PASSED	11:25
SIMULATOR VAPOR	0.019	11:26
SIMULATOR VAPOR	0.019	11:27
SIMULATOR VAPOR	0.019	11:28
SIMULATOR VAPOR	0.019	11:29
SIMULATOR VAPOR	0.019	11:30
SIMULATOR VAPOR	0.019	11:31
SIMULATOR VAPOR	0.019	11:32
SIMULATOR VAPOR	0.019	11:33
SIMULATOR VAPOR	0.019	11:34
SIMULATOR VAPOR	0.019	11:34
BLANK TEST	0.000	11:35

Average = 0.019
Std Dev = 0.0000



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

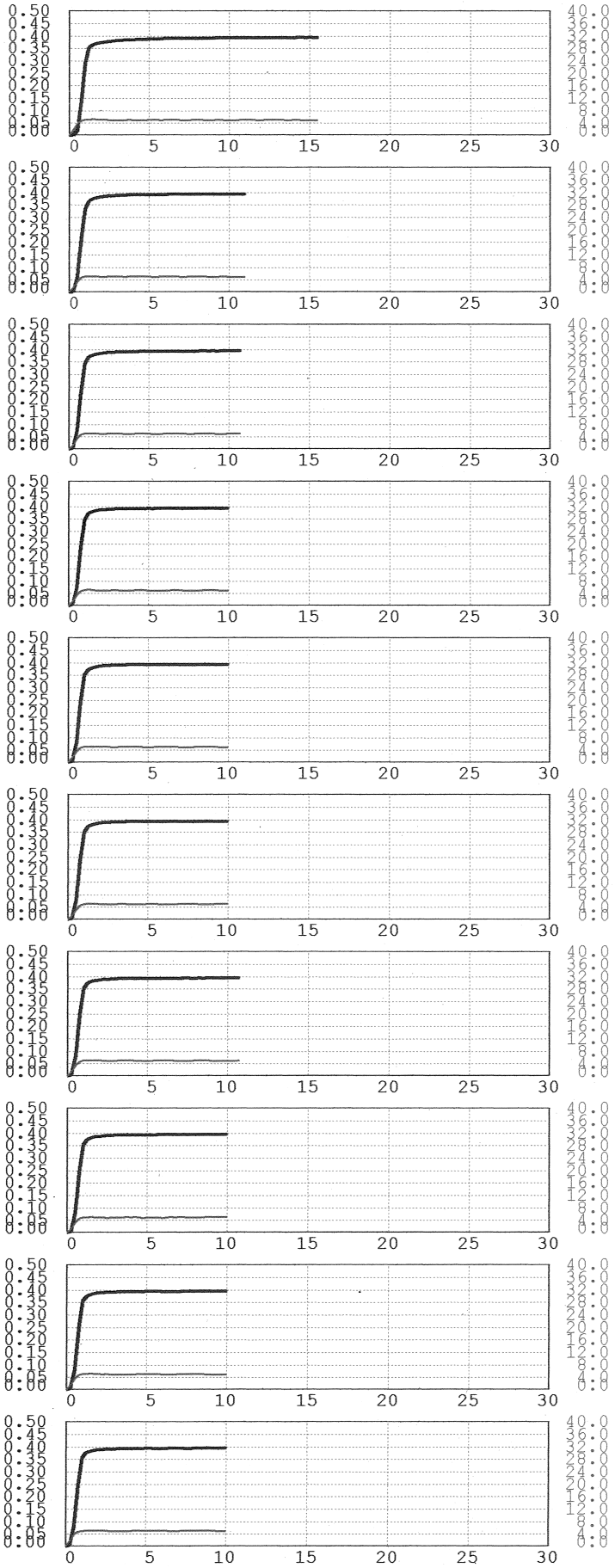
Date: 11/13/2009
Time: 12:48:12

SUPERVISOR NAME: DARCY M RICHARDSON

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

BLANK TEST	0.000	12:49
CALIBRATION CHECK	PASSED	12:49
SIMULATOR VAPOR	0.391	12:49
SIMULATOR VAPOR	0.390	12:50
SIMULATOR VAPOR	0.391	12:51
SIMULATOR VAPOR	0.390	12:52
SIMULATOR VAPOR	0.391	12:53
SIMULATOR VAPOR	0.391	12:54
SIMULATOR VAPOR	0.392	12:55
SIMULATOR VAPOR	0.392	12:56
SIMULATOR VAPOR	0.392	12:57
SIMULATOR VAPOR	0.392	12:58
BLANK TEST	0.000	12:59

Average = 0.391
Std Dev = 0.0007



DIAGNOSTIC RESULT

DataMaster DMT: 103709
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/30/2009
Time: 08:07

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.09°C
Breath Tube    = 45.60°C

SETTINGS
Lamp Voltage   = 1.78 V
Cooler Voltage = 1.71 V
Bias Voltage   = 80.7 V
Chopper Freq   = 536.2 Hz

PUMP INFO
Flow Rate = 5.885 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V) -0.0616   -0.0593
MIN(V) -0.0630   -0.0610

FILTER INFO
Filter 1 -0.061  Zero = true
Filter 2  0.033  Zero = true
Filter 3  0.314  Zero = true

CALIBRATION CHECK
Xq = 0.0743  1.15%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

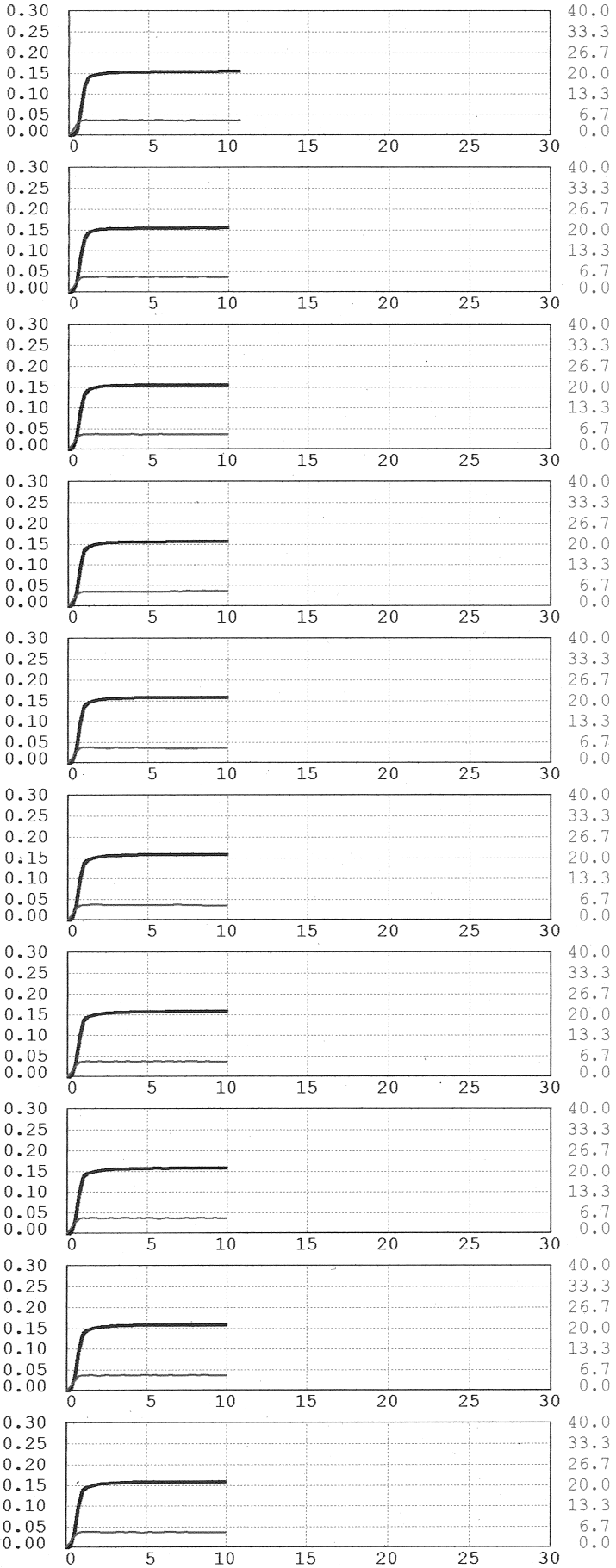
Date: 11/30/2009
Time: 08:08:34

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:09
CALIBRATION CHECK	PASSED	08:09
SIMULATOR VAPOR	0.153	08:09
SIMULATOR VAPOR	0.154	08:10
SIMULATOR VAPOR	0.155	08:11
SIMULATOR VAPOR	0.156	08:12
SIMULATOR VAPOR	0.156	08:13
SIMULATOR VAPOR	0.156	08:14
SIMULATOR VAPOR	0.156	08:15
SIMULATOR VAPOR	0.156	08:16
SIMULATOR VAPOR	0.157	08:17
SIMULATOR VAPOR	0.157	08:18
BLANK TEST	0.000	08:19

Average = 0.155
Std Dev = 0.0012



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

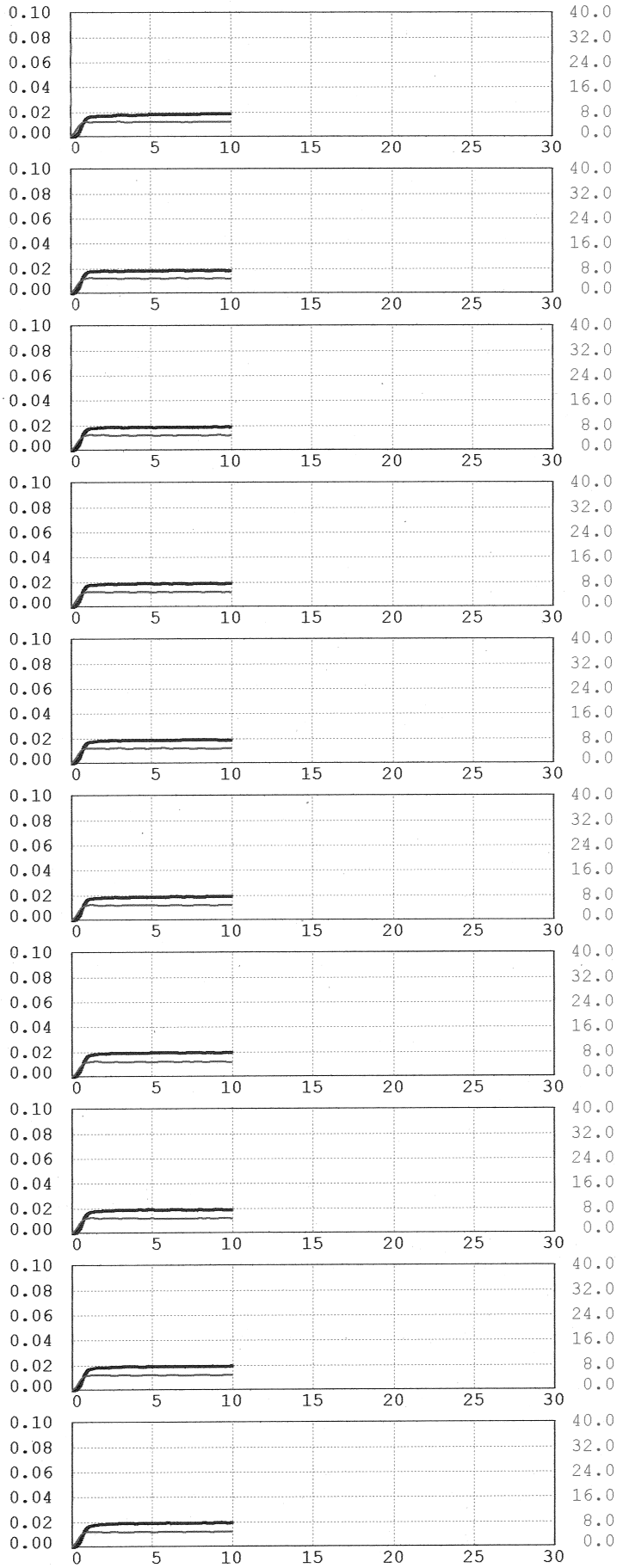
Date: 11/30/2009
Time: 08:22:40

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:23
CALIBRATION CHECK	PASSED	08:23
SIMULATOR VAPOR	0.019	08:24
SIMULATOR VAPOR	0.019	08:24
SIMULATOR VAPOR	0.019	08:25
SIMULATOR VAPOR	0.019	08:26
SIMULATOR VAPOR	0.019	08:27
SIMULATOR VAPOR	0.019	08:28
SIMULATOR VAPOR	0.020	08:29
SIMULATOR VAPOR	0.019	08:30
SIMULATOR VAPOR	0.019	08:31
SIMULATOR VAPOR	0.020	08:32
BLANK TEST	0.000	08:33

Average = 0.019
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

Date: 11/30/2009
Time: 08:44:06

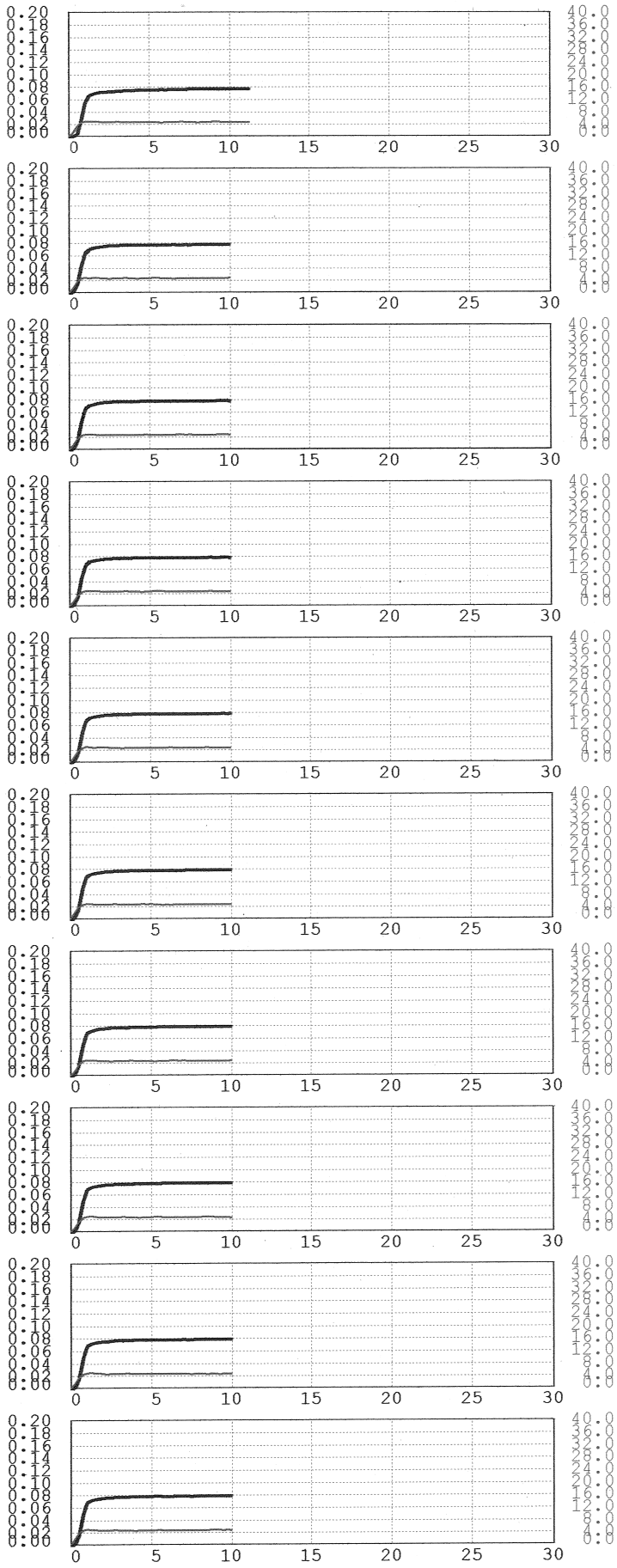
SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:45
CALIBRATION CHECK	PASSED	08:45
SIMULATOR VAPOR	0.077	08:45
SIMULATOR VAPOR	0.077	08:46
SIMULATOR VAPOR	0.078	08:47
SIMULATOR VAPOR	0.078	08:48
SIMULATOR VAPOR	0.078	08:49
SIMULATOR VAPOR	0.078	08:50
SIMULATOR VAPOR	0.079	08:51
SIMULATOR VAPOR	0.078	08:52
SIMULATOR VAPOR	0.078	08:53
SIMULATOR VAPOR	0.078	08:54
BLANK TEST	0.000	08:55

Average out of range!

Average = 0.077
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

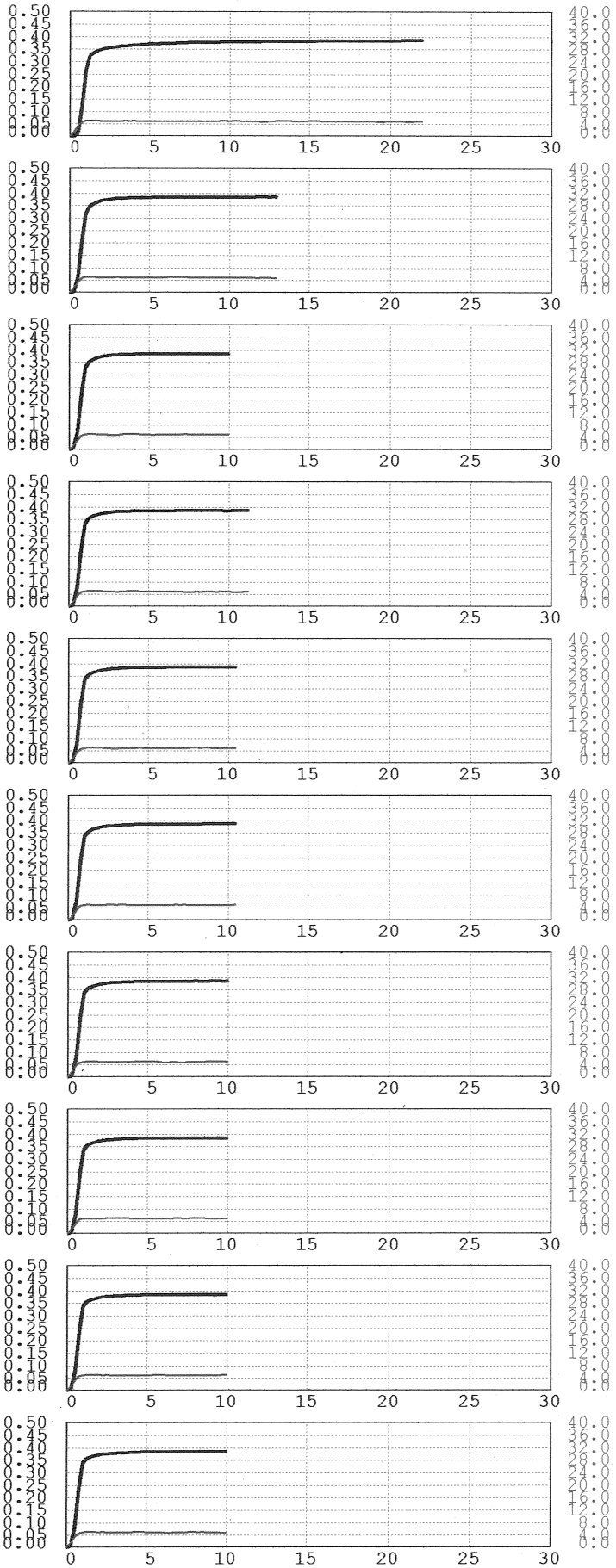
Date: 11/30/2009
Time: 08:56:55

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:57
CALIBRATION CHECK	PASSED	08:57
SIMULATOR VAPOR	0.381	08:58
SIMULATOR VAPOR	0.382	08:59
SIMULATOR VAPOR	0.381	09:00
SIMULATOR VAPOR	0.382	09:01
SIMULATOR VAPOR	0.383	09:02
SIMULATOR VAPOR	0.383	09:03
SIMULATOR VAPOR	0.383	09:04
SIMULATOR VAPOR	0.382	09:05
SIMULATOR VAPOR	0.382	09:06
SIMULATOR VAPOR	0.382	09:07
BLANK TEST	0.000	09:08

Average = 0.382
Std Dev = 0.0007



DIAGNOSTIC RESULT

DataMaster DMT: 103709
Location:
Calibration Date: 10/08/2009
Certification Date: 10/08/2009
Installation Date: 10/08/2009
Test Date: 11/30/2009
Time: 09:34

VERMONT
DEPARTMENT OF HEALTH

```
VERSIONS
DMT 1.03
PIC 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.15°C
Breath Tube    = 34.11°C

SETTINGS
Lamp Voltage   = 1.78 V
Cooler Voltage = 1.71 V
Bias Voltage   = 80.7 V
Chopper Freq   = 538.8 Hz

PUMP INFO
Flow Rate = 5.913 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V) -0.0472   -0.0447
MIN(V) -0.0490   -0.0472

FILTER INFO
Filter 1 -0.046  Zero = true
Filter 2  0.047  Zero = true
Filter 3  0.341  Zero = true

CALIBRATION CHECK
Xq = 0.0746  0.81%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

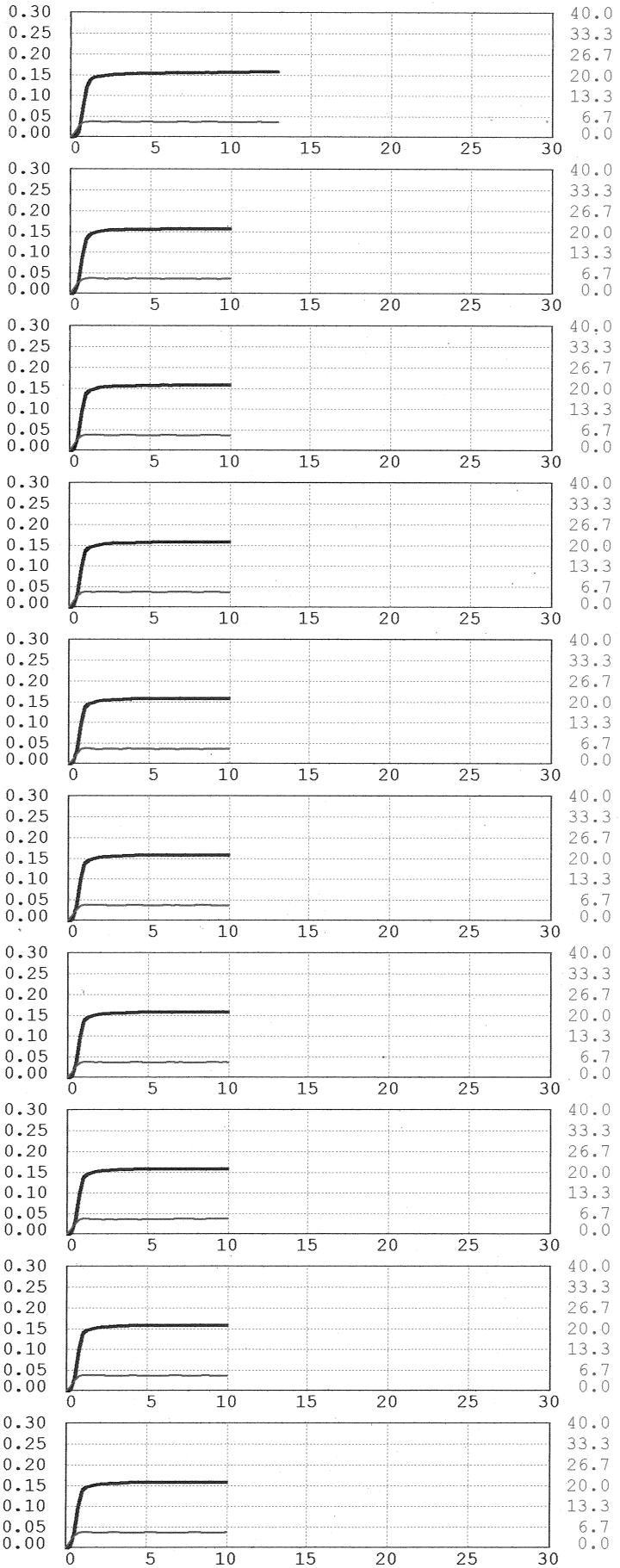
Date: 11/30/2009
Time: 09:54:24

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	09:55
CALIBRATION CHECK	PASSED	09:55
SIMULATOR VAPOR	0.156	09:55
SIMULATOR VAPOR	0.156	09:56
SIMULATOR VAPOR	0.156	09:57
SIMULATOR VAPOR	0.156	09:58
SIMULATOR VAPOR	0.157	09:59
SIMULATOR VAPOR	0.156	10:00
SIMULATOR VAPOR	0.157	10:01
SIMULATOR VAPOR	0.157	10:02
SIMULATOR VAPOR	0.157	10:03
SIMULATOR VAPOR	0.157	10:04
BLANK TEST	0.000	10:05

Average = 0.156
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

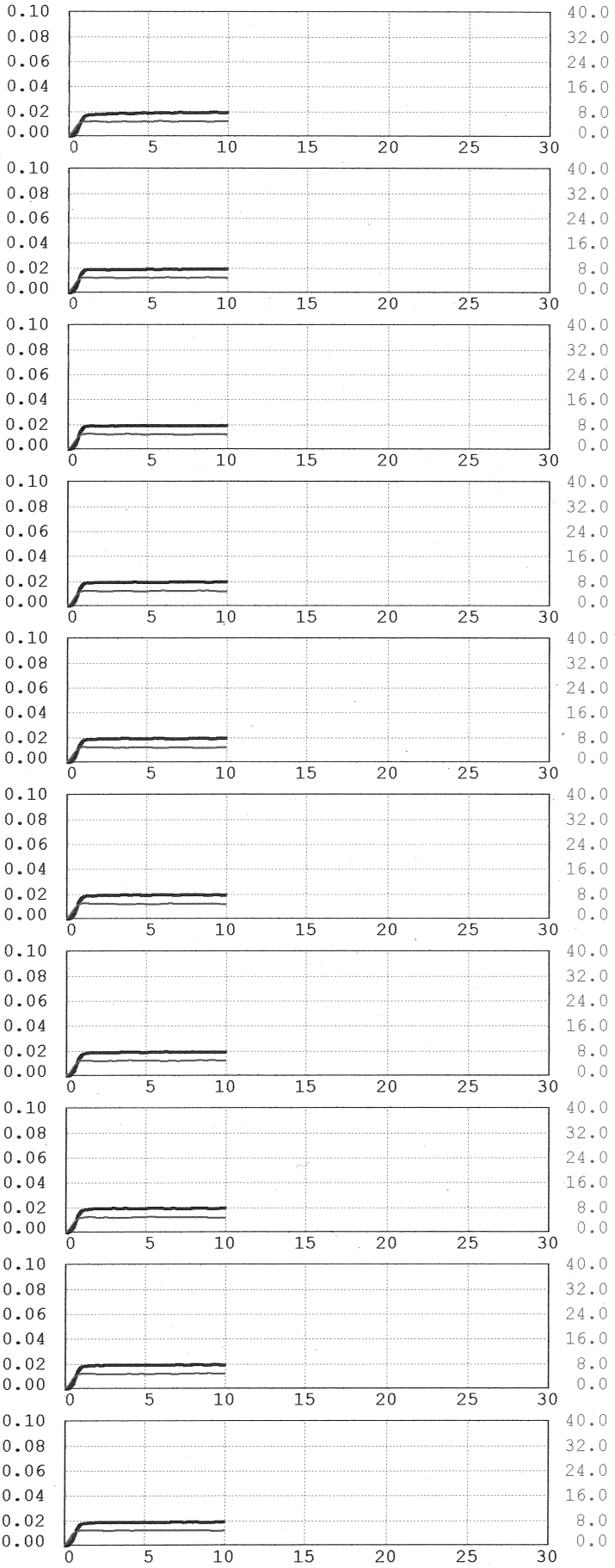
Date: 11/30/2009
Time: 10:14:58

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	10:15
CALIBRATION CHECK	PASSED	10:16
SIMULATOR VAPOR	0.020	10:16
SIMULATOR VAPOR	0.019	10:17
SIMULATOR VAPOR	0.019	10:18
SIMULATOR VAPOR	0.020	10:19
SIMULATOR VAPOR	0.020	10:20
SIMULATOR VAPOR	0.020	10:21
SIMULATOR VAPOR	0.019	10:22
SIMULATOR VAPOR	0.020	10:23
SIMULATOR VAPOR	0.019	10:24
SIMULATOR VAPOR	0.019	10:25
BLANK TEST	0.000	10:25

Average = 0.019
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

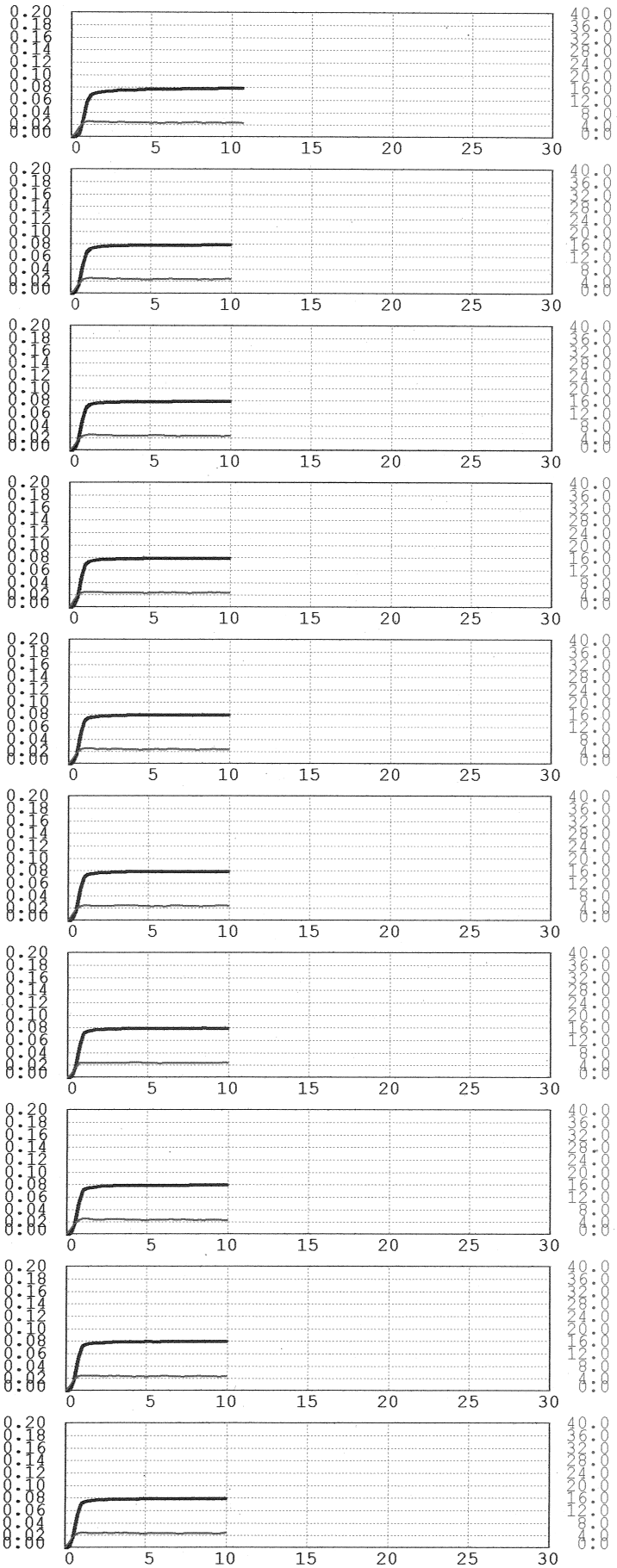
Date: 11/30/2009
Time: 10:33:43

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	10:34
CALIBRATION CHECK	PASSED	10:34
SIMULATOR VAPOR	0.078	10:35
SIMULATOR VAPOR	0.078	10:36
SIMULATOR VAPOR	0.078	10:37
SIMULATOR VAPOR	0.079	10:38
SIMULATOR VAPOR	0.079	10:39
SIMULATOR VAPOR	0.078	10:40
SIMULATOR VAPOR	0.079	10:40
SIMULATOR VAPOR	0.079	10:41
SIMULATOR VAPOR	0.079	10:42
SIMULATOR VAPOR	0.078	10:43
BLANK TEST	0.000	10:44

Average = 0.078
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

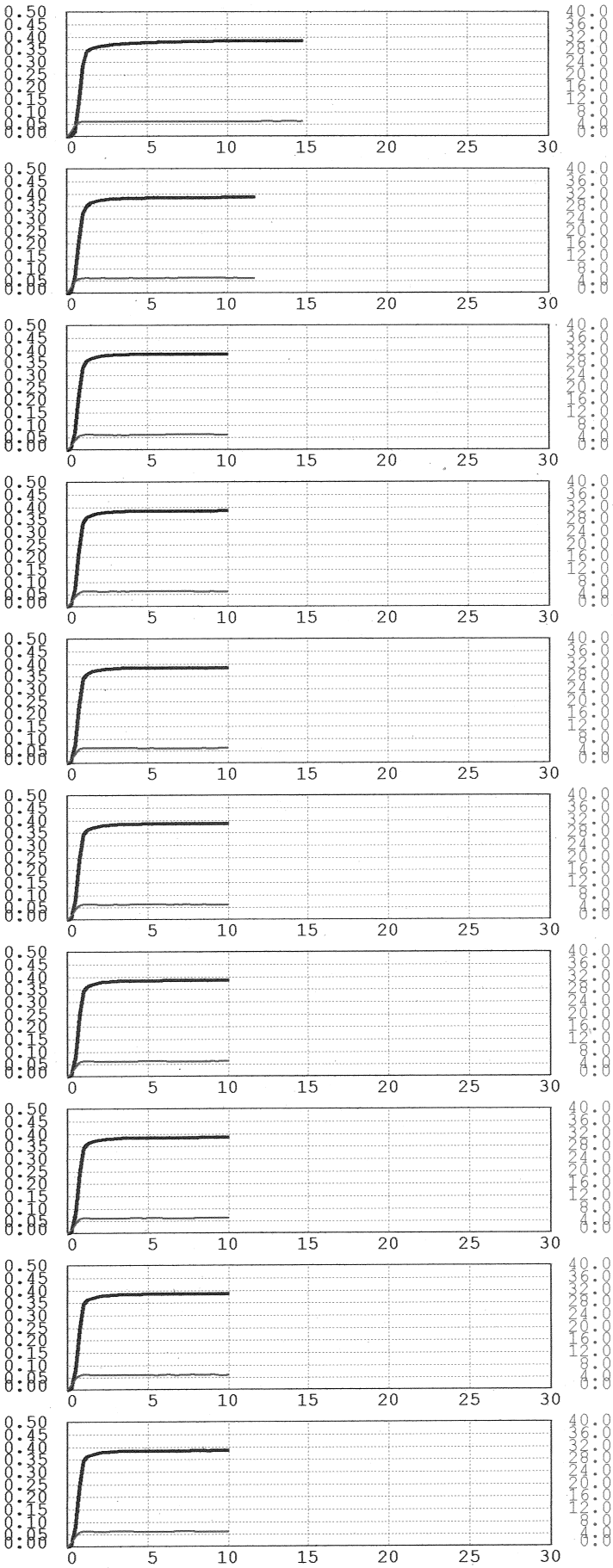
Date: 11/30/2009
Time: 11:03:44

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	11:04
CALIBRATION CHECK	PASSED	11:04
SIMULATOR VAPOR	0.382	11:05
SIMULATOR VAPOR	0.383	11:06
SIMULATOR VAPOR	0.382	11:07
SIMULATOR VAPOR	0.383	11:08
SIMULATOR VAPOR	0.382	11:09
SIMULATOR VAPOR	0.383	11:10
SIMULATOR VAPOR	0.383	11:11
SIMULATOR VAPOR	0.383	11:12
SIMULATOR VAPOR	0.383	11:13
SIMULATOR VAPOR	0.383	11:14
BLANK TEST	0.000	11:15

Average = 0.382
Std Dev = 0.0004



Section 5: Interference

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

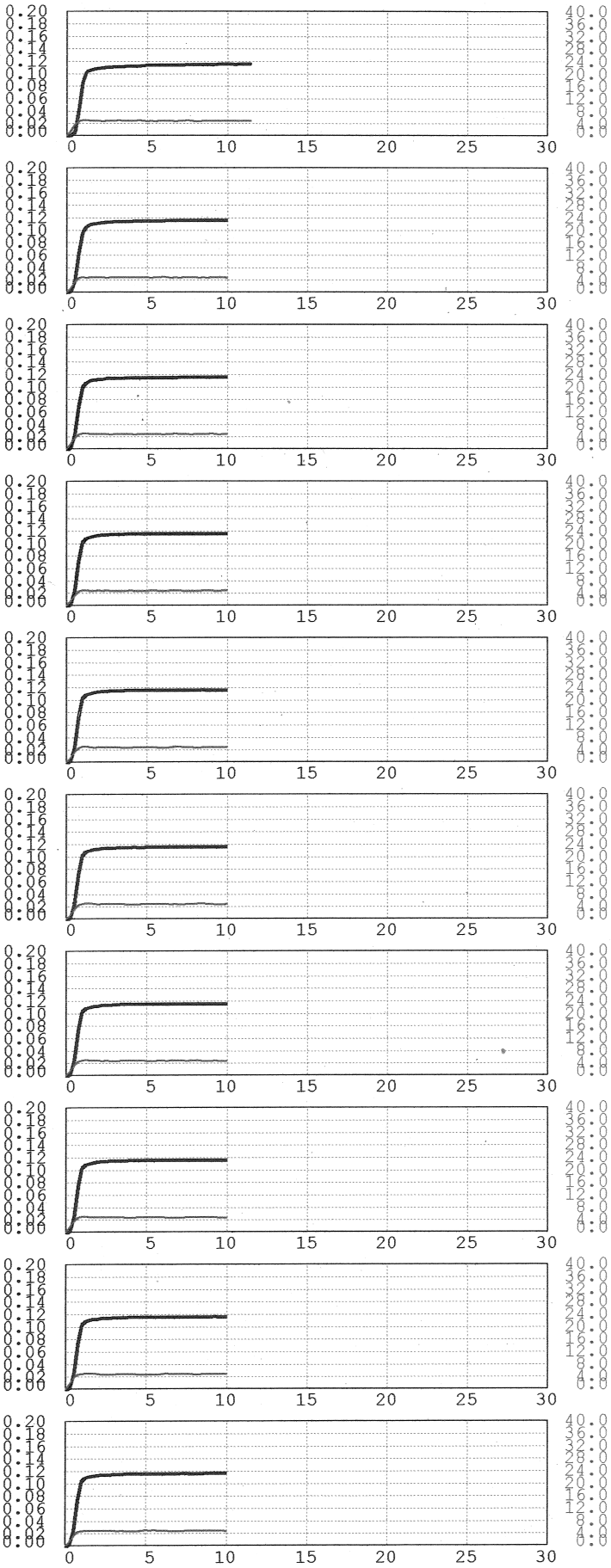
Date: 10/29/2009
Time: 08:21:21

SUPERVISOR NAME: ALB .04MEOH IN .08ETOH

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

BLANK TEST	0.000	08:22
CALIBRATION CHECK	PASSED	08:22
SIMULATOR VAPOR	INTERFERENCE	08:22
SIMULATOR VAPOR	INTERFERENCE	08:23
SIMULATOR VAPOR	INTERFERENCE	08:24
SIMULATOR VAPOR	INTERFERENCE	08:25
SIMULATOR VAPOR	INTERFERENCE	08:26
SIMULATOR VAPOR	INTERFERENCE	08:27
SIMULATOR VAPOR	INTERFERENCE	08:28
SIMULATOR VAPOR	INTERFERENCE	08:29
SIMULATOR VAPOR	INTERFERENCE	08:30
SIMULATOR VAPOR	INTERFERENCE	08:31
BLANK TEST	0.000	08:32

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

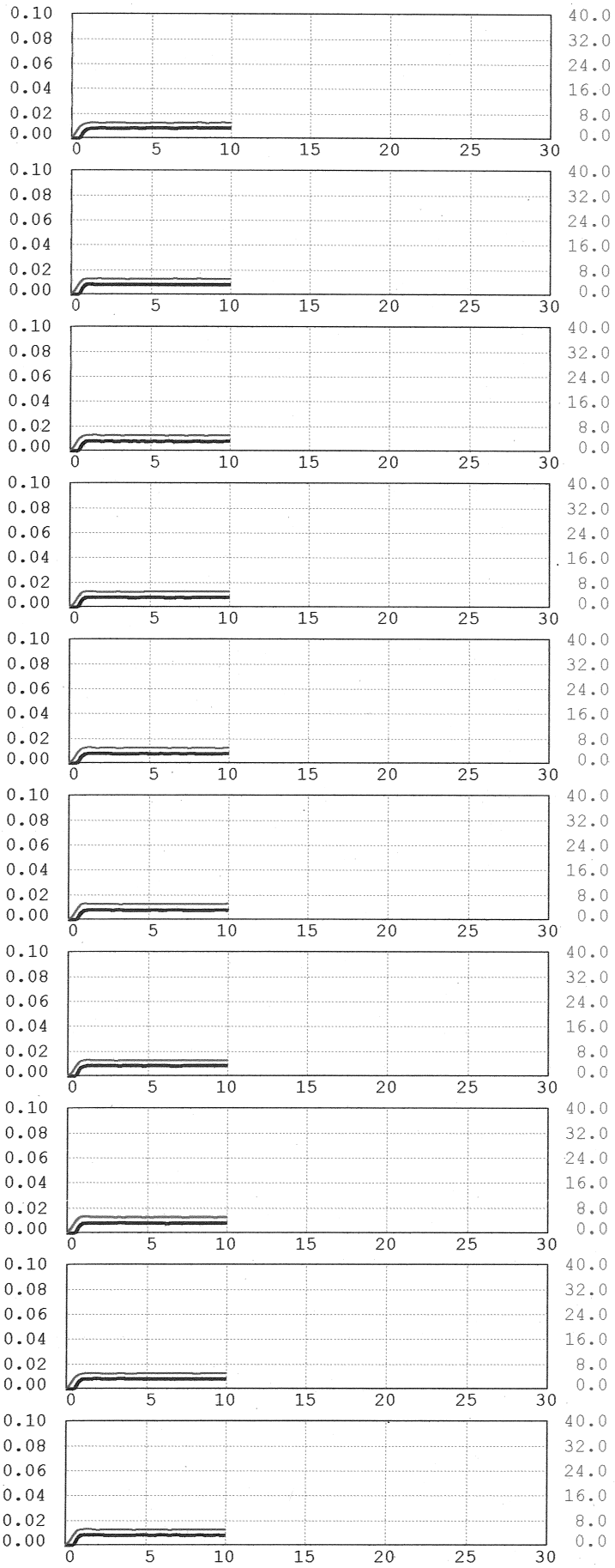
Date: 10/29/2009
Time: 10:15:00

SUPERVISOR NAME: ALB .02ACETONE IN H2O

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

BLANK TEST	0.000	10:15
CALIBRATION CHECK	PASSED	10:16
SIMULATOR VAPOR	INTERFERENCE	10:16
SIMULATOR VAPOR	INTERFERENCE	10:17
SIMULATOR VAPOR	INTERFERENCE	10:18
SIMULATOR VAPOR	INTERFERENCE	10:19
SIMULATOR VAPOR	INTERFERENCE	10:20
SIMULATOR VAPOR	INTERFERENCE	10:21
SIMULATOR VAPOR	INTERFERENCE	10:22
SIMULATOR VAPOR	INTERFERENCE	10:23
SIMULATOR VAPOR	INTERFERENCE	10:24
SIMULATOR VAPOR	INTERFERENCE	10:25
BLANK TEST	0.000	10:25

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

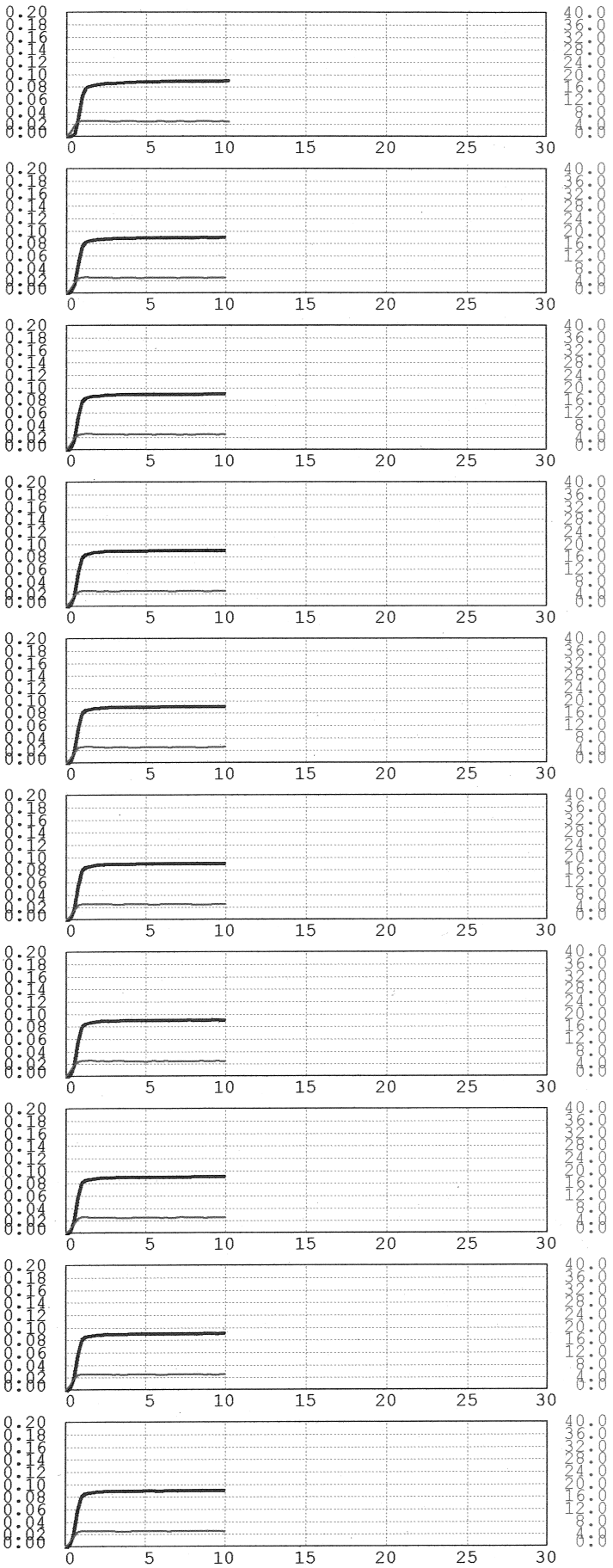
Date: 10/29/2009
Time: 14:06:20

SUPERVISOR NAME: ALB .02ACETONE IN .08ETOH

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

BLANK TEST	0.000	14:07
CALIBRATION CHECK	PASSED	14:07
SIMULATOR VAPOR	INTERFERENCE	14:07
SIMULATOR VAPOR	INTERFERENCE	14:08
SIMULATOR VAPOR	INTERFERENCE	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
BLANK TEST	0.000	14:17

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

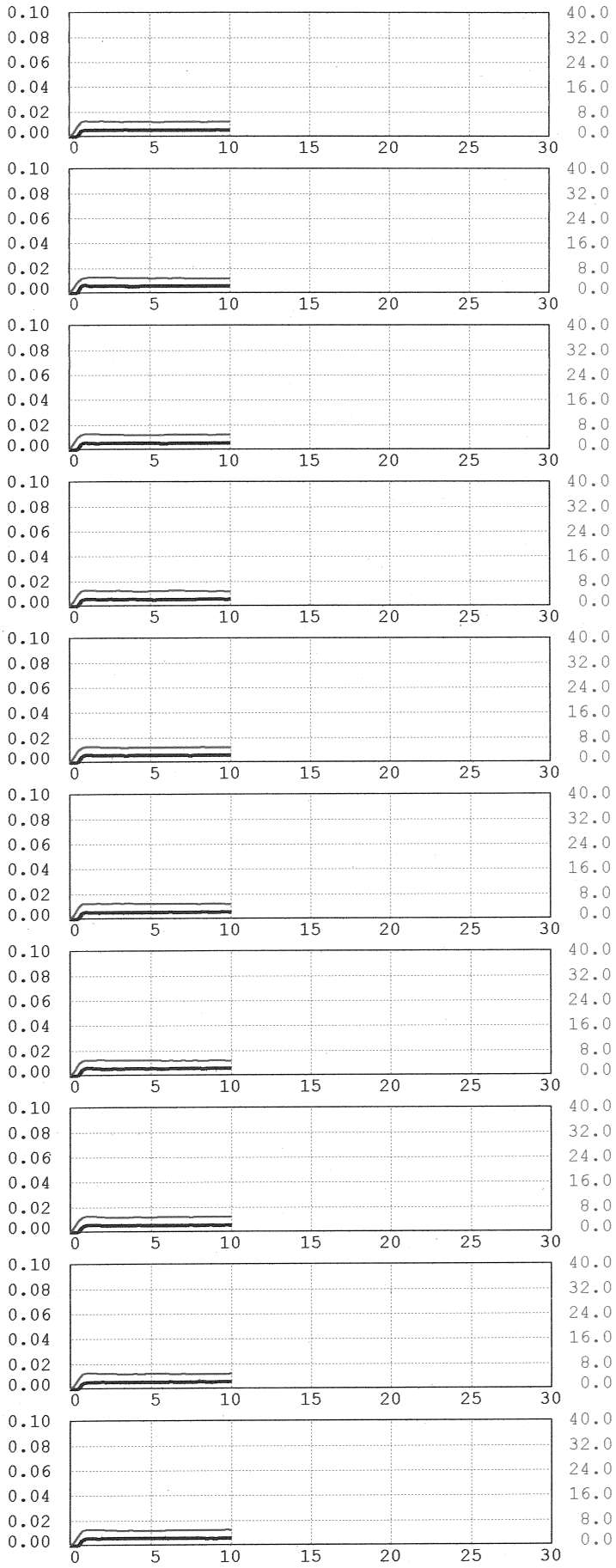
Date: 10/29/2009
Time: 14:24:15

SUPERVISOR NAME: ALB .01ACETONE IN H2O

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

BLANK TEST	0.000	14:25
CALIBRATION CHECK	PASSED	14:25
SIMULATOR VAPOR	INTERFERENCE	14:25
SIMULATOR VAPOR	INTERFERENCE	14:26
SIMULATOR VAPOR	INTERFERENCE	14:27
SIMULATOR VAPOR	INTERFERENCE	14:28
SIMULATOR VAPOR	INTERFERENCE	14:29
SIMULATOR VAPOR	INTERFERENCE	14:30
SIMULATOR VAPOR	INTERFERENCE	14:31
SIMULATOR VAPOR	INTERFERENCE	14:32
SIMULATOR VAPOR	INTERFERENCE	14:33
SIMULATOR VAPOR	INTERFERENCE	14:34
BLANK TEST	0.000	14:35

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

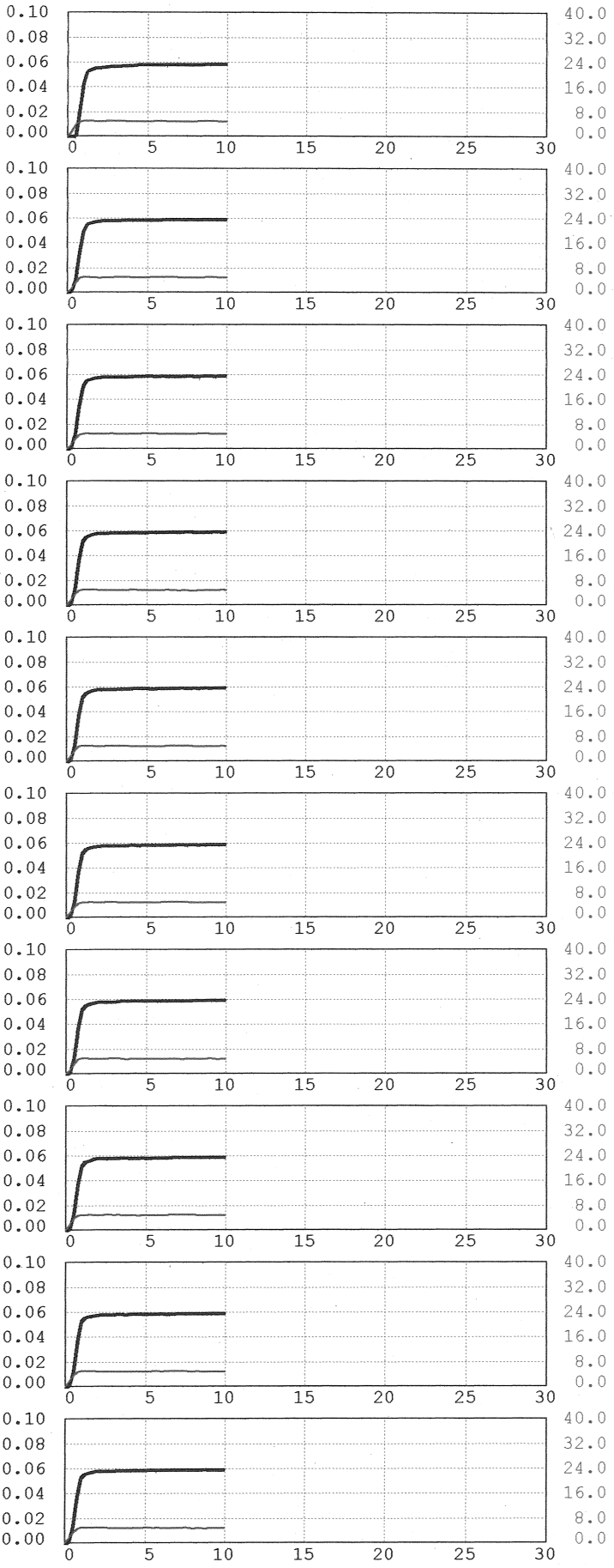
Date: 10/29/2009
Time: 15:03:15

SUPERVISOR NAME: ALB .02ACETONE IN.04ETOH

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

BLANK TEST	0.000	15:04
CALIBRATION CHECK	PASSED	15:04
SIMULATOR VAPOR	INTERFERENCE	15:04
SIMULATOR VAPOR	INTERFERENCE	15:05
SIMULATOR VAPOR	INTERFERENCE	15:06
SIMULATOR VAPOR	INTERFERENCE	15:07
SIMULATOR VAPOR	INTERFERENCE	15:08
SIMULATOR VAPOR	INTERFERENCE	15:09
SIMULATOR VAPOR	INTERFERENCE	15:10
SIMULATOR VAPOR	INTERFERENCE	15:11
SIMULATOR VAPOR	INTERFERENCE	15:12
SIMULATOR VAPOR	INTERFERENCE	15:13
BLANK TEST	0.000	15:14

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

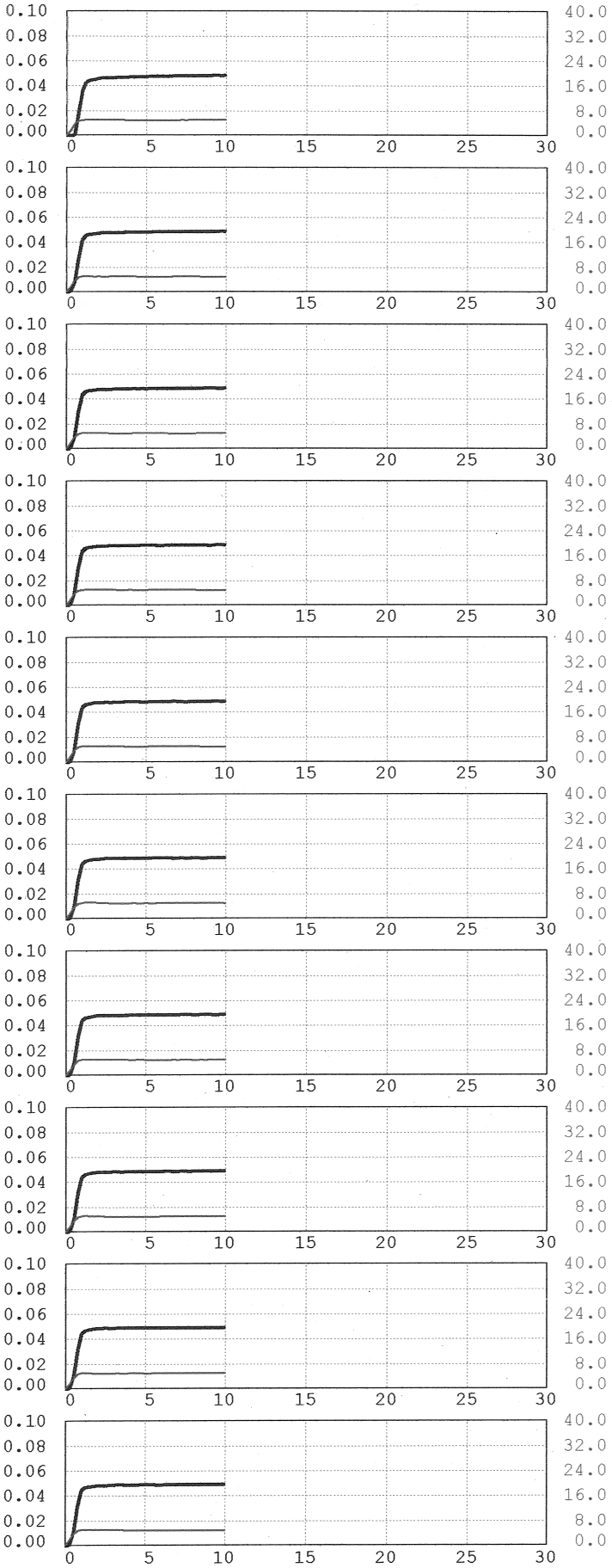
Date: 10/29/2009
Time: 15:25:32

SUPERVISOR NAME: ALB .01ACETONE IN .04ETOH

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

BLANK TEST	0.000	15:26
CALIBRATION CHECK	PASSED	15:26
SIMULATOR VAPOR	INTERFERENCE	15:26
SIMULATOR VAPOR	INTERFERENCE	15:27
SIMULATOR VAPOR	INTERFERENCE	15:28
SIMULATOR VAPOR	INTERFERENCE	15:29
SIMULATOR VAPOR	INTERFERENCE	15:30
SIMULATOR VAPOR	INTERFERENCE	15:31
SIMULATOR VAPOR	INTERFERENCE	15:32
SIMULATOR VAPOR	INTERFERENCE	15:33
SIMULATOR VAPOR	INTERFERENCE	15:34
SIMULATOR VAPOR	INTERFERENCE	15:35
BLANK TEST	0.000	15:36

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

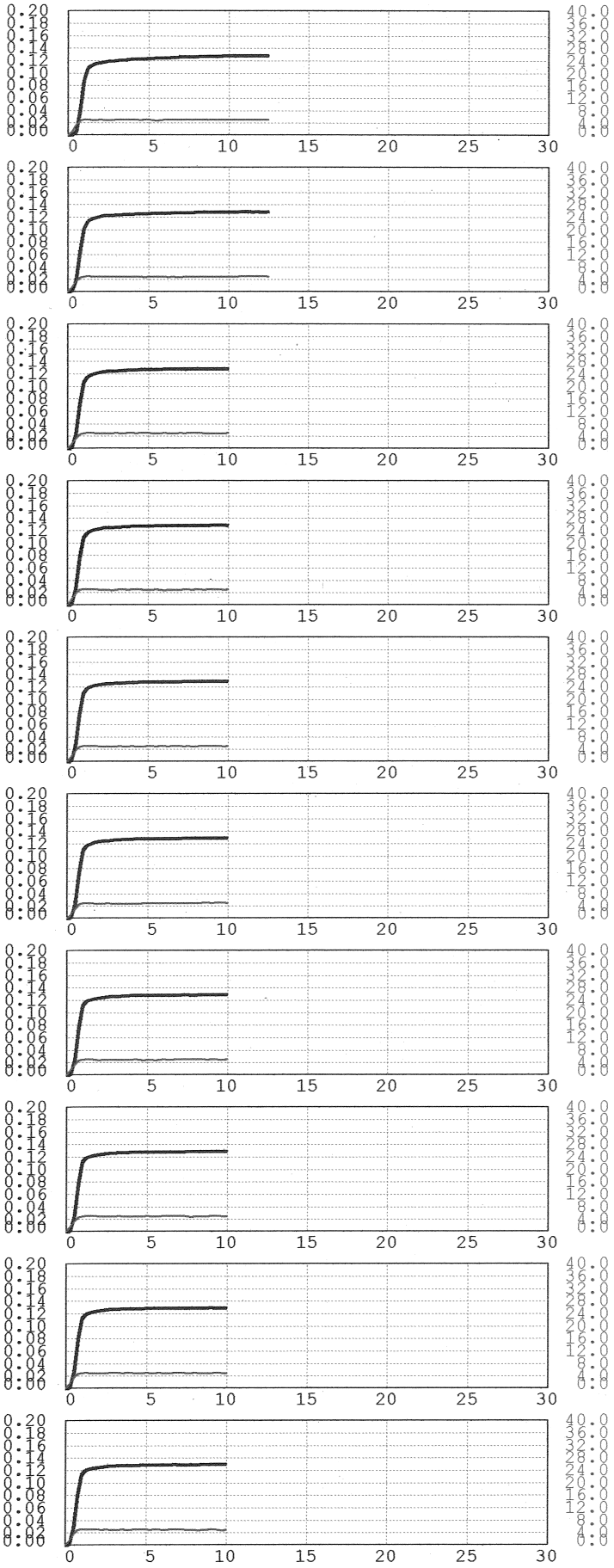
Date: 10/30/2009
Time: 07:41:11

SUPERVISOR NAME: ALB .04IPA IN .08ETOH

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

BLANK TEST	0.000	07:42
CALIBRATION CHECK	PASSED	07:42
SIMULATOR VAPOR	INTERFERENCE	07:42
SIMULATOR VAPOR	INTERFERENCE	07:43
SIMULATOR VAPOR	INTERFERENCE	07:44
SIMULATOR VAPOR	INTERFERENCE	07:45
SIMULATOR VAPOR	INTERFERENCE	07:46
SIMULATOR VAPOR	INTERFERENCE	07:47
SIMULATOR VAPOR	INTERFERENCE	07:48
SIMULATOR VAPOR	INTERFERENCE	07:49
SIMULATOR VAPOR	INTERFERENCE	07:50
SIMULATOR VAPOR	INTERFERENCE	07:51
BLANK TEST	0.000	07:52

Average out of range!



Section 6: Low Level Accuracy

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 103709

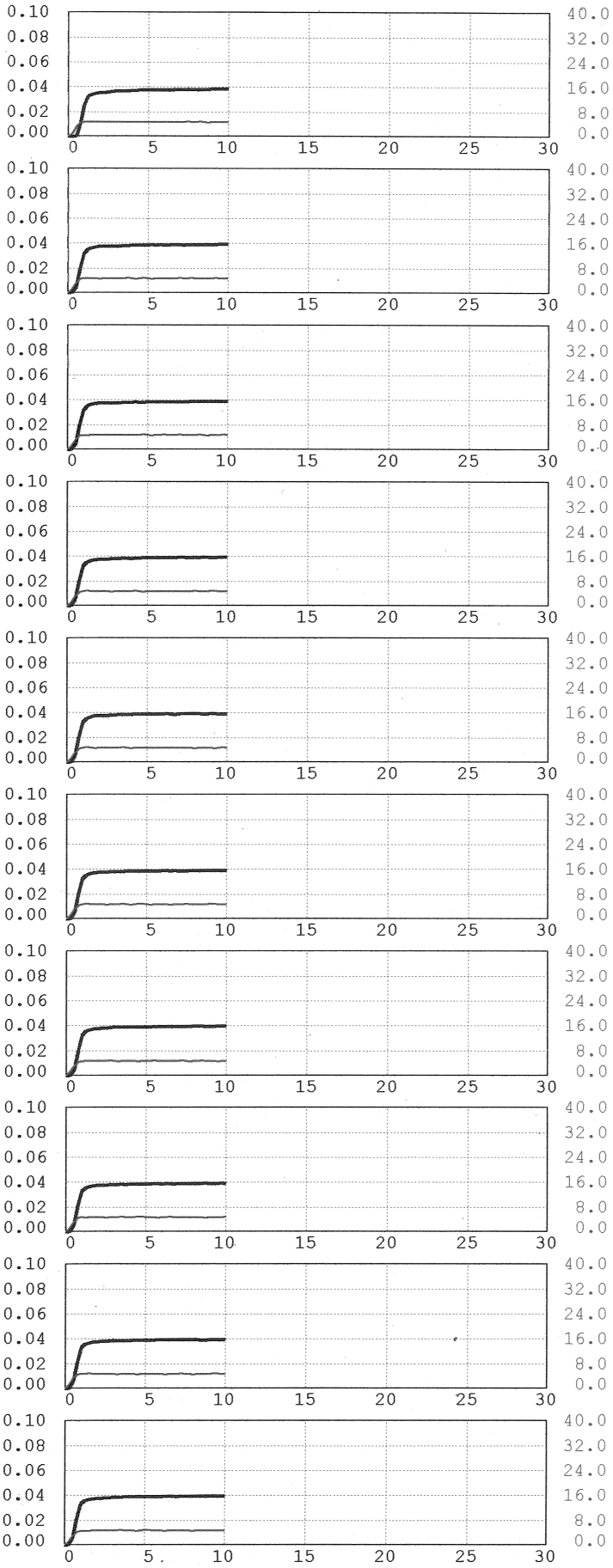
Date: 10/29/2009
Time: 08:06:48

SUPERVISOR NAME: ALB LOW LEVEL

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

BLANK TEST	0.000	08:07
CALIBRATION CHECK	PASSED	08:07
SIMULATOR VAPOR	0.039	08:08
SIMULATOR VAPOR	0.039	08:09
SIMULATOR VAPOR	0.039	08:10
SIMULATOR VAPOR	0.040	08:11
SIMULATOR VAPOR	0.039	08:12
SIMULATOR VAPOR	0.039	08:13
SIMULATOR VAPOR	0.040	08:14
SIMULATOR VAPOR	0.039	08:14
SIMULATOR VAPOR	0.040	08:15
SIMULATOR VAPOR	0.040	08:16
BLANK TEST	0.000	08:17

Average = 0.039
Std Dev = 0.0005



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. (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, 104809, 103809
Received and inspected, all units passed mechanical inspection. 10/15/09 ✓

↑ All units passed cal/cert.

X, .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. VOHL to retest all units with correct 0.04 IPA solution.