DATAMASTER DMT 104009

VERMONT DEPARTMENT OF HEALTH LABORATORY

PERFORMANCE TESTING RESULTS

January 2010

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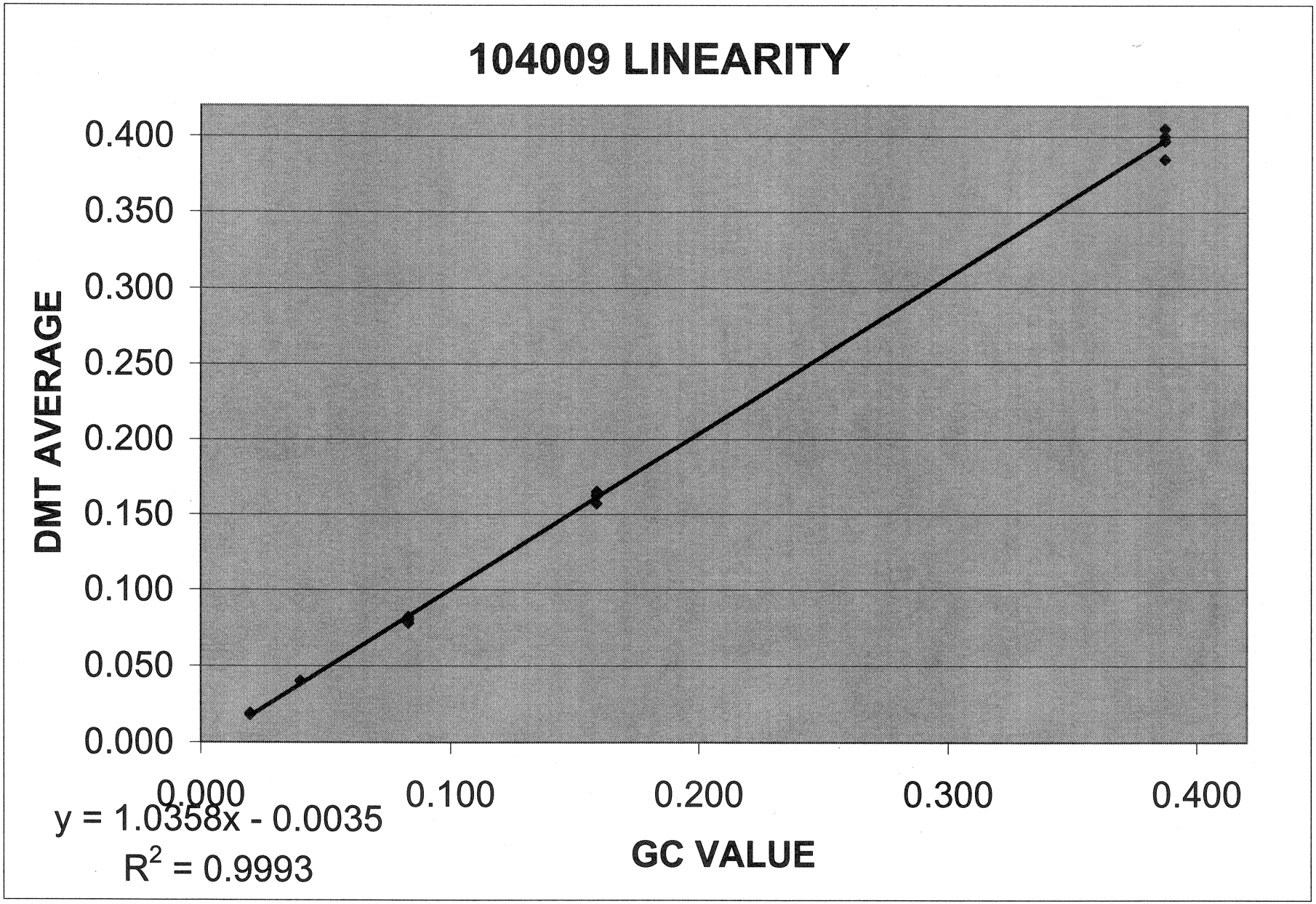
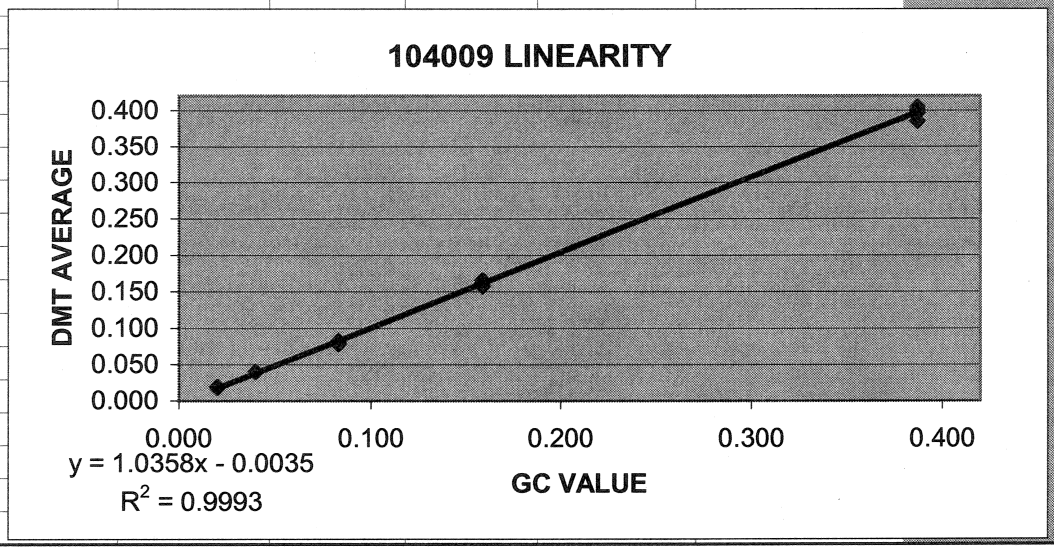
Section 1: Results


104009 LINEARITY
DMT AVERAGE
0.400
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
0.000
0.100
0.200
0.300
0.400
GC VALUE
y = 1.0358x - 0.0035
R2 = 0.9993

Operator	Date	Lot #	GC Value	DMT Result	Std Dev	% Recovery	
ALB	11/2/2009	09-38-160	0.159	0.162	0.0008	101.9	Outside 5%
		10-14-400	0.387	0.400	0.0005	103.4	Outside 10%
		10-13-020	0.020	0.018	0.0005	90.0	
		09-43-080	0.083	0.080	0.0005	96.4	
ALB	11/20/2009	10-13-020	0.020	0.019	0.0004	95.0	
		09-43-080	0.083	0.082	0.0003	98.8	
		10-14-400	0.387	0.405	0.0011	104.7	
		09-38-160	0.159	0.165	0.0005	103.8	
ALB	11/23/2009	09-38-160	0.159	0.163	0.0006	102.5	
		10-14-400	0.387	0.400	0.0005	103.4	
		09-43-080	0.083	0.081	0.0000	97.6	
		10-13-020	0.020	0.018	0.0003	90.0	
ALB	11/23/2009	10-13-020	0.020	0.018	0.0005	90.0	
		09-43-080	0.083	0.080	0.0005	96.4	
		10-14-400	0.387	0.397	0.0005	102.6	
		09-38-160	0.159	0.162	0.0004	101.9	
ALB	11/30/2009	10-13-020	0.020	0.018	0.0004	90.0	
		09-43-080	0.083	0.078	0.0004	94.0	
		10-14-400	0.387	0.385	0.0004	99.5	
		09-38-160	0.159	0.157	0.0004	98.7	
ALB	10/30/2009	09-27-040	0.040	0.040	0.0000	100.0	LOW LEVEL
				Average	0.0005	98.0	
				Std Dev	0.0002	5.11	
				Range	0.0000 - 0.0011	90.0 - 104.7	



Operator	Date	Concentration	Lot Number	DMT Result	Apparent EtOH	N = 10
ALB	10/28/09	0.01 Acetone in water	10-08-01A	INTERFERENCE	< .01	
ALB	10/28/09	0.02 Acetone in water	09-23-02A	INTERFERENCE	0.01	
ALB	10/27/09	.01 Acetone in .08 EtOH	10-05-08A1	INTERFERENCE	0.08	
ALB	10/28/09	.01 Acetone in .04 EtOH	09-13-04A1	INTERFERENCE	0.05	
ALB	10/28/09	.02Acetone in .08 EtOH	09-28-08A2	INTERFERENCE	0.09	
ALB	10/28/09	.02 Acetone in .04 EtOH	09-13-04A2	INTERFERENCE	0.06	
ALB	10/27/09	.04 MeOH in water	10-07-04M	INTERFERENCE	0.03	
ALB	10/28/09	.04 MeOH in .08 EtOH	10-10-08M4	INTERFERENCE	0.12	
ALB	10/27/09	.04 IPA in water	10-16-04I	INTERFERENCE	0.04	
ALB	10/28/09	.04 IPA in .08 EtOH	09-43-08I4	INTERFERENCE	0.13	

Section 2: NPAS Tests

National Patent Analytical Systems, Inc.

Certificate of Calibration

104009

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.

9-22-09

Date

Technician

OPTIONS PRINT OUT

DataMaster DMT: 104009
Location: ADDISON COUNTY SO
Calibration Date: 09/22/2009
Certification Date: 09/22/2009
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: 104009
Calibration Date: 09/22/2009
Calibrated by: T T T
Lot: 98765

VERMONT
DEPARTMENT OF HEALTH

```
Ca  =  0.100000
CAL =  1.001704     0.800 <= CAL < 1.200
b1  =  0.000000     0.000 <=  b1 < 0.004
b2  =  0.005060     0.001 <=  b2 < 0.012
b3  =  0.000000     0.000 <=  b3 < 0.004
Xq  =  0.083109     0.050 <=  Xq < 0.200
a21 =  1.212551     1.050 <= a21 < 1.300
a31 =  0.451784     0.300 <= a31 < 0.800
```

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

CERTIFICATION REPORT

DataMaster DMT: 104009
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 = 48.68°C
Breath Tube = 46.50°C

SETTINGS
Lamp Voltage = 1.65 V
Cooler Voltage = 1.69 V
Bias Voltage = 80.5 V
Chopper Freq = 535.7 Hz

PUMP INFO
Flow Rate = 4.786 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.3264 0.3274
MIN(V) 0.3232 0.3256

FILTER INFO
Filter 1 0.325 Zero = true
Filter 2 0.860 Zero = true
Filter 3 0.663 Zero = true

CALIBRATION CHECK
Xq = 0.0821 1.15%

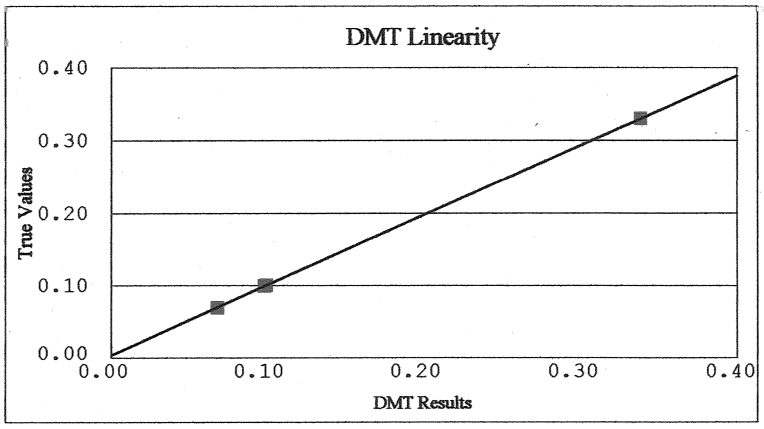
Options

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
0.070 g/210L	0.069 g/210L	0.001
Lot # 9876543		
0.100 g/210L	0.099 g/210L	0.001
Lot # 87654567		
0.101 g/210L	0.100 g/210L	0.001
Lot # 87654567		
0.330 g/210L	0.338 g/210L	0.001
Lot # 65468765		

$R^2 = 1.0000$



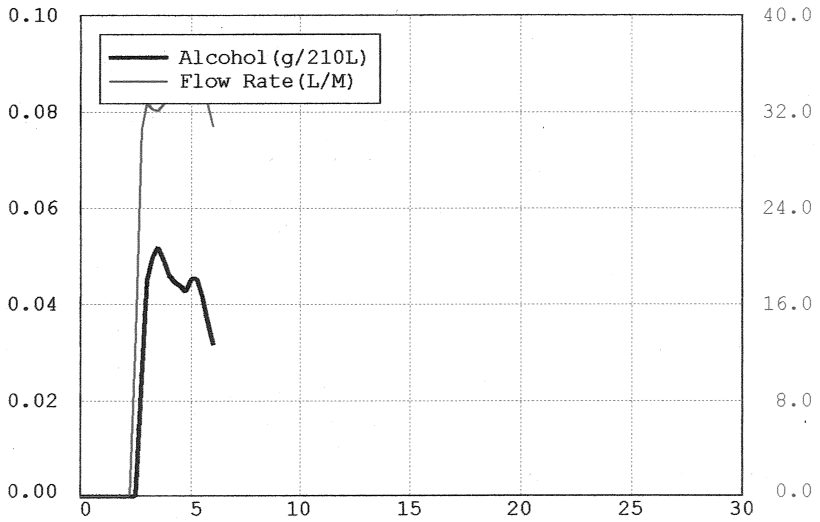
Acetone Interference Test

Lot # 87654567

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

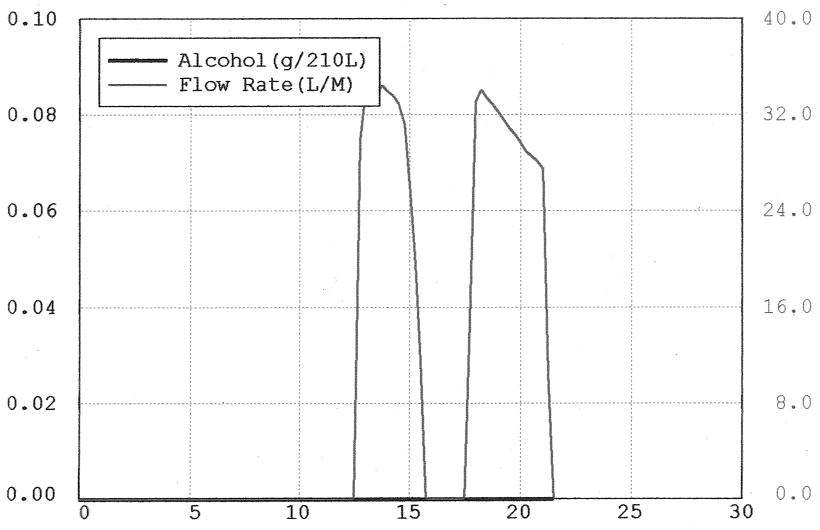


RF Interference Test

RFI detected

Sample Acceptance Test

Passed



CERTIFICATION PASSED

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

Reviewed by _____ **Date** _____

INSTALLATION REPORT

DataMaster DMT: 104009
Location: ADDISON COUNTY SO
Calibration Date: 09/22/2009
Certification Date: 09/22/2009
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 2.06
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 48.97°C
Breath Tube = 46.29°C

SETTINGS
Lamp Voltage = 1.65 V
Cooler Voltage = 1.69 V
Bias Voltage = 80.5 V
Chopper Freq = 536.1 Hz

PUMP INFO
Flow Rate = 5.017 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.3301 0.3325
MIN(V) 0.3282 0.3307

FILTER INFO
Filter 1 0.332 Zero = true
Filter 2 0.866 Zero = true
Filter 3 0.672 Zero = true

CALIBRATION CHECK
Xq = 0.0838 0.84%

INSTALLATION PASSED

Accuracy and Precision Check

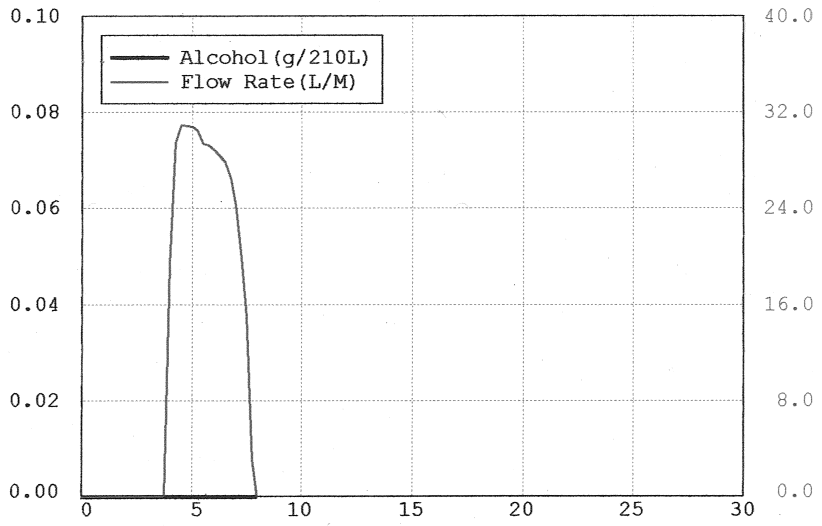
Concentration = 0.100 g/210L
Lot # = 098765
Average = 0.099 g/210L
Std Dev = 0.000

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: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 09/23/2009
Time: 08:16:11

Obs. Period Start:		08:15
BLANK TEST	0.000	08:17
CALIBRATION CHECK	PASSED	08:17
Xq = 0.0829 (0.21%)		

RESPONSE TIMEOUT

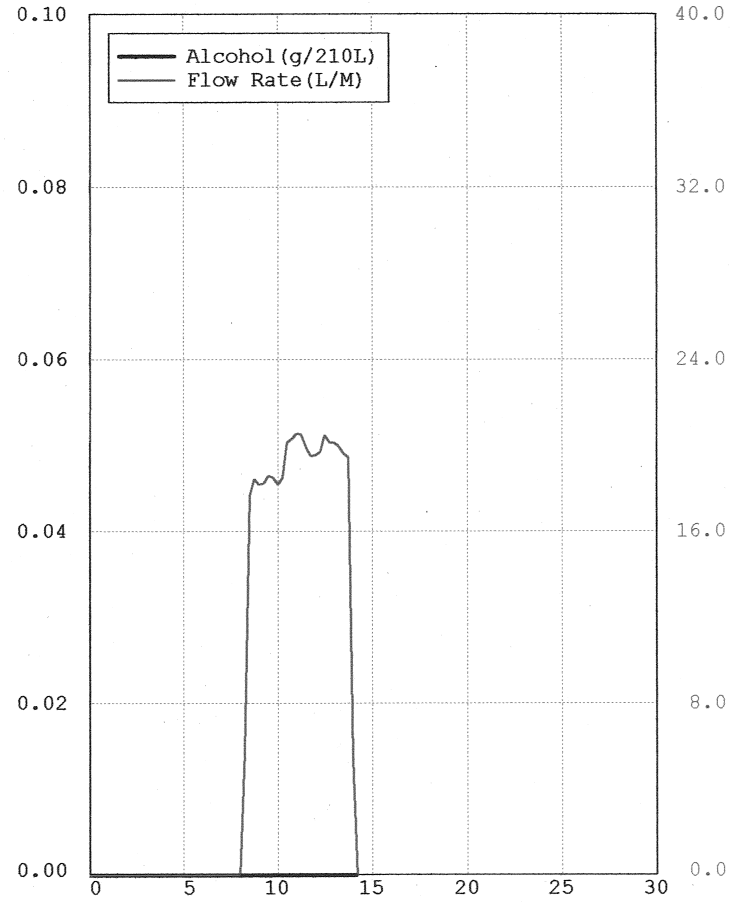
DUI Subject Test

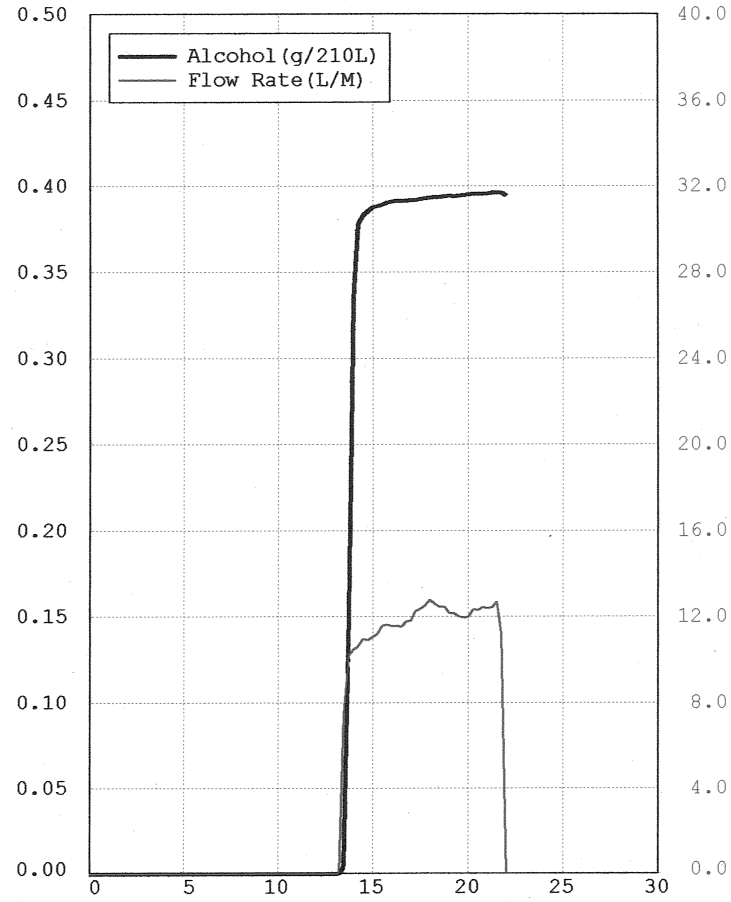
STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 09/23/2009
Time: 08:21:37

Obs. Period Start:		08:15
BLANK TEST	0.000	08:22
CALIBRATION CHECK	PASSED	08:22
Xq = 0.0836 (0.63%)		
SUBJECT SAMPLE (Vol=1.8L)	0.000	08:23
X[1] = 0.0000 (0.0000) (0.0000)		
BLANK TEST	0.000	08:25
CALIBRATION CHECK	PASSED	08:25
Xq = 0.0838 (0.84%)		
SUBJECT SAMPLE (Vol=1.6L)	0.395	08:25
X[1] = 0.3953 (-0.0036) (-0.0005)		





Check-In Confirmation Test

STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

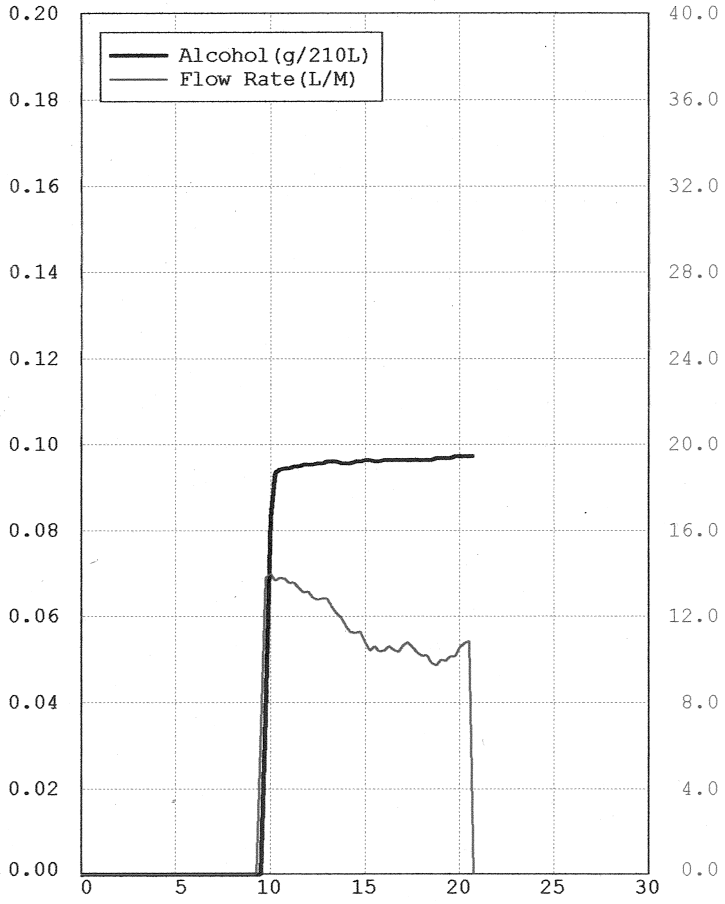
Date: 09/22/2009
Time: 11:57:58

Subject Name: T T T
Date of Birth: 09/09/1989 Age: 20
Gender: M
License #:

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

BLANK TEST	0.000	11:58
CALIBRATION CHECK	PASSED	11:58
Xq = 0.0844 (1.57%)		
SIMULATOR VAPOR	0.100	11:59
X[1] = 0.1002 (0.0000) (0.0011)		
BLANK TEST	0.000	12:00
SUBJECT SAMPLE (Vol=2.1L)	0.097	12:00
X[1] = 0.0979 (-0.0022) (0.0018)		

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: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 09/22/2009
Time: 12:02:11

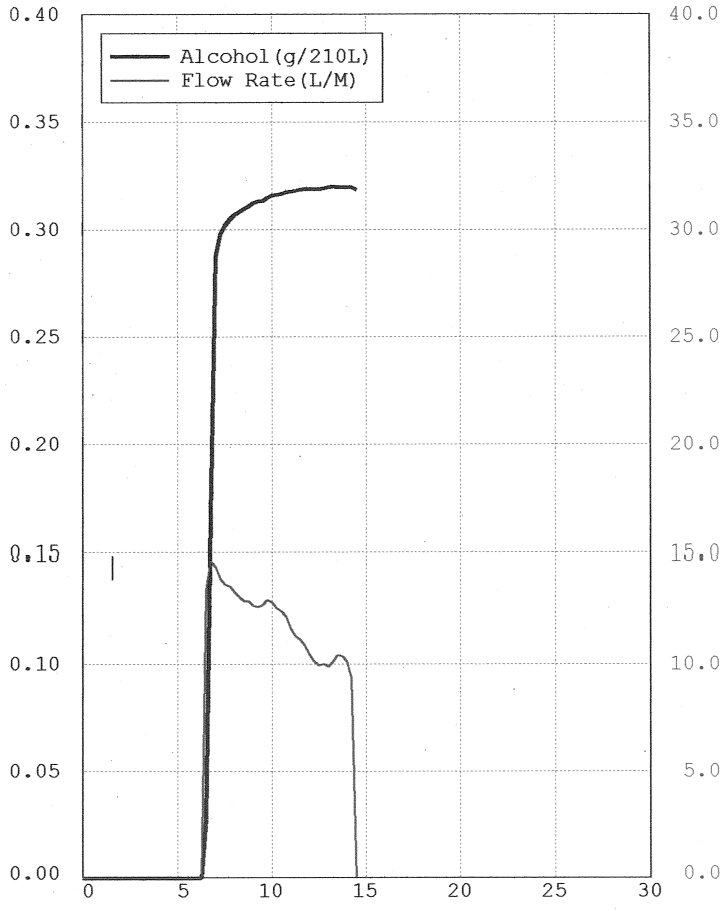
Subject Name: T T T
Date of Birth: 10/11/1909 Age: 99
Gender: M
License #:

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

BLANK TEST	0.000	12:03
CALIBRATION CHECK	PASSED	12:03
Xq = 0.0844 (1.57%)		
SIMULATOR VAPOR	0.100	12:03
X[1] = 0.1000 (-0.0001) (0.0016)		
BLANK TEST	0.000	12:04
SUBJECT SAMPLE (Vol=1.5L)	0.319	12:04
X[1] = 0.3199 (-0.0019) (0.0020)		

All alcohol values reported in g/210L

Sim. Vapor Concentration	0.100
Sim. Vapor Range	0.095 - 0.105



DIAGNOSTIC RESULT

DataMaster DMT: 104009
Location: ADDISON COUNTY SO
Calibration Date: 09/22/2009
Certification Date: 09/22/2009
Installation Date: 09/22/2009
Test Date: 09/23/2009
Time: 08:32

VERMONT
DEPARTMENT OF HEALTH

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

TEMPERATURES
Sample Chamber = 48.74°C
Breath Tube    = 48.02°C

SETTINGS
Lamp Voltage   = 1.65 V
Cooler Voltage = 1.70 V
Bias Voltage   = 80.5 V
Chopper Freq   = 534.4 Hz

PUMP INFO
Flow Rate = 4.945 L/M

DETECTOR INFO
PUMP     ON       OFF
MAX(V)   0.3829   0.3795
MIN(V)   0.3756   0.3776

FILTER INFO
Filter 1  0.379  Zero = true
Filter 2  0.907  Zero = true
Filter 3  0.722  Zero = true

CALIBRATION CHECK
Xq = 0.0819  1.36%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

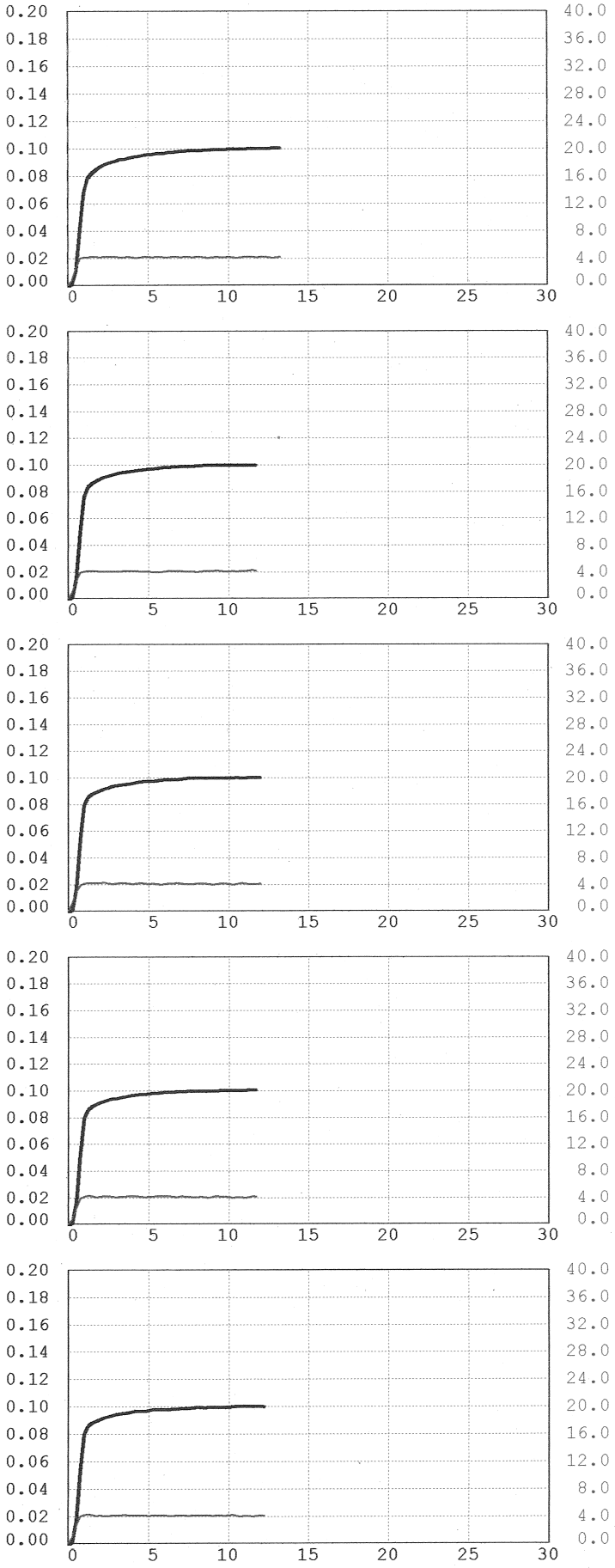
Date: 09/23/2009
Time: 07:58:04

SUPERVISOR NAME; RTYUK F VGHJK

SOLUTION LOT #: 789E
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	07:58
CALIBRATION CHECK	PASSED	07:59
Xq = 0.0847 (1.99%)		
SIMULATOR VAPOR	0.100	07:59
X[1] = 0.1007 (0.0004) (-0.0003)		
SIMULATOR VAPOR	0.100	08:00
X[1] = 0.1006 (-0.0002) (-0.0009)		
SIMULATOR VAPOR	0.100	08:01
X[1] = 0.1009 (0.0000) (-0.0005)		
SIMULATOR VAPOR	0.101	08:02
X[1] = 0.1012 (0.0003) (-0.0005)		
SIMULATOR VAPOR	0.100	08:03
X[1] = 0.1009 (-0.0004) (-0.0005)		
BLANK TEST	0.000	08:04

Average = 0.100
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

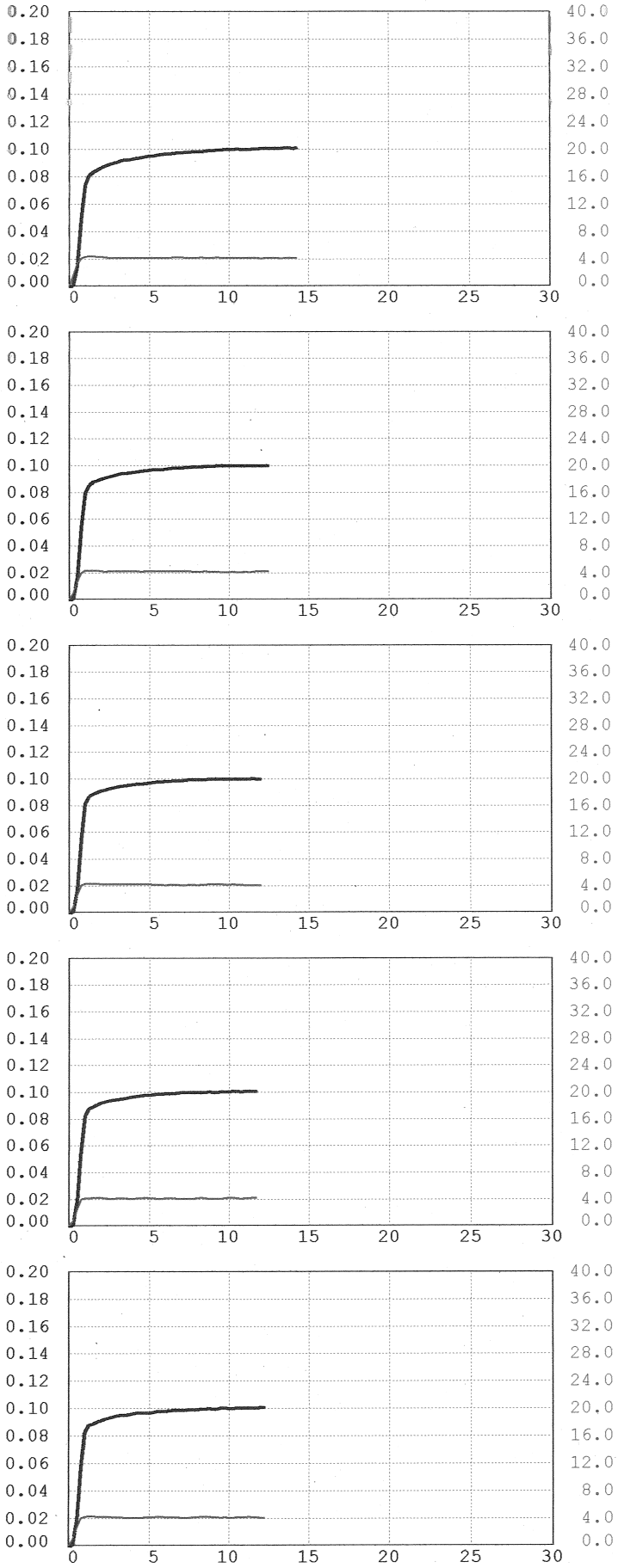
Date: 09/23/2009
Time: 08:05:36

SUPERVISOR NAME: J M K

SOLUTION LOT #: HJIGOE;JOIP
SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	08:06
CALIBRATION CHECK	PASSED	08:06
Xq = 0.0840 (1.15%)		
SIMULATOR VAPOR	0.101	08:07
X[1] = 0.1011 (0.0004) (0.0002)		
SIMULATOR VAPOR	0.100	08:08
X[1] = 0.1005 (-0.0006) (-0.0003)		
SIMULATOR VAPOR	0.100	08:09
X[1] = 0.1006 (-0.0004) (-0.0002)		
SIMULATOR VAPOR	0.101	08:10
X[1] = 0.1012 (-0.0001) (-0.0005)		
SIMULATOR VAPOR	0.101	08:11
X[1] = 0.1011 (0.0004) (-0.0003)		
BLANK TEST	0.000	08:11

Average = 0.100
Std Dev = 0.0005



Section 3: Power-Up Tests

CALIBRATION REPORT

DataMaster DMT: 104009
Calibration Date: 10/26/2009
Calibrated by: A L B
Lot: 10-02-100

VERMONT
DEPARTMENT OF HEALTH

```
Ca  =  0.101000
CAL =  1.036578     0.800 <= CAL < 1.200
b1  =  0.000000     0.000 <=  b1 < 0.004
b2  =  0.005238     0.001 <=  b2 < 0.012
b3  =  0.000000     0.000 <=  b3 < 0.004
Xq  =  0.083282     0.050 <=  Xq < 0.200
a21 =  1.241712     1.050 <= a21 < 1.300
a31 =  0.442955     0.300 <= a31 < 0.800
```

Performed by _____ **Date** 10/26/2009

CERTIFICATION REPORT

DataMaster DMT: 104009
Calibration Date: 10/26/2009
Certification Date: 10/26/2009
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 = 48.86°C
Breath Tube = 48.09°C

SETTINGS
Lamp Voltage = 1.67 V
Cooler Voltage = 1.69 V
Bias Voltage = 80.9 V
Chopper Freq = 539.7 Hz

PUMP INFO
Flow Rate = 5.383 L/M

DETECTOR INFO
PUMP ON OFF
MAX(V) 0.0789 0.0813
MIN(V) 0.0760 0.0799

FILTER INFO
Filter 1 0.080 Zero = true
Filter 2 0.636 Zero = true
Filter 3 0.457 Zero = true

CALIBRATION CHECK
Xq = 0.0829 0.42%

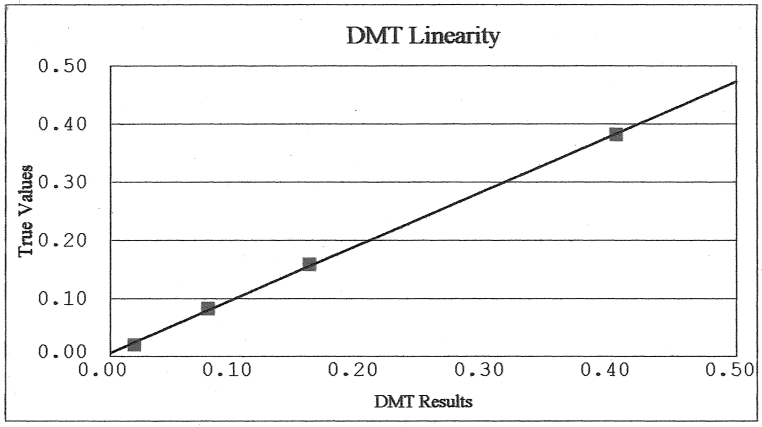
Options

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	0.020 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	0.001
Lot # 09-38-160		
0.382 g/210L	0.403 g/210L	0.001
Lot # 09-36-400		

$R^2 = 0.9995$



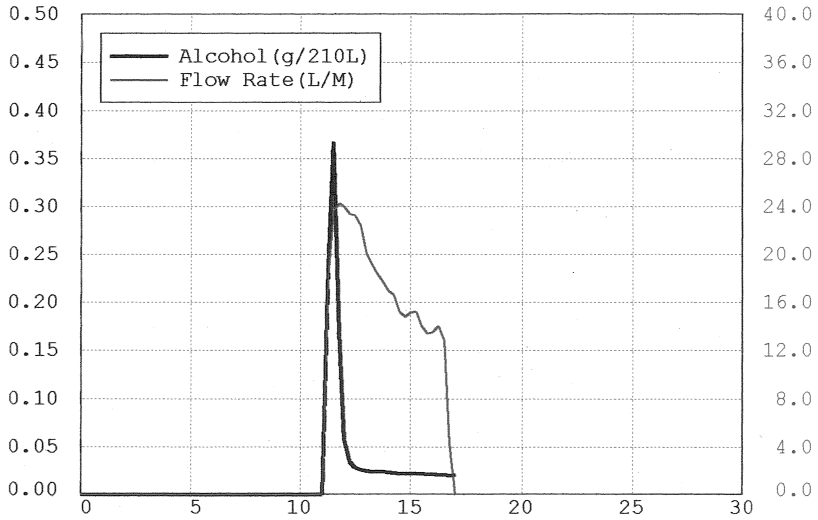
Acetone Interference Test

Lot # 10-05-08A1

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

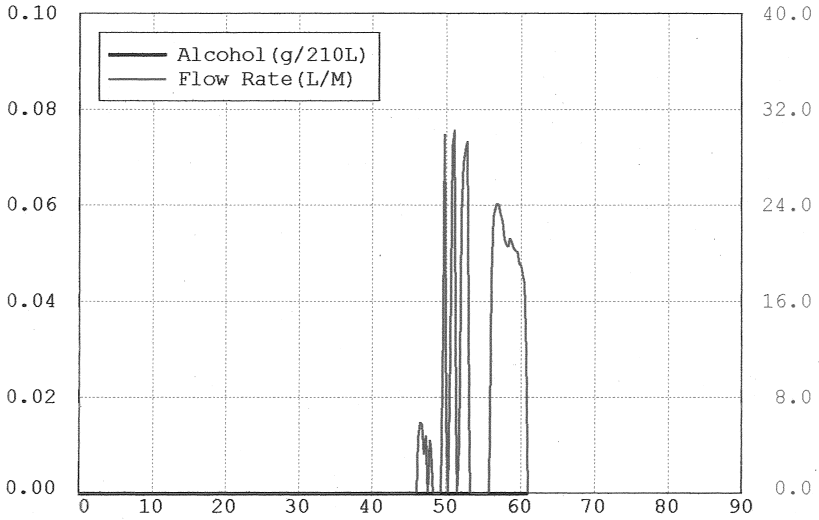


RF Interference Test

RFI detected

Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by _____ Date 10/27/2009

Reviewed by _____ Date _____

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

Date: 10/27/2009
Time: 10:20:18

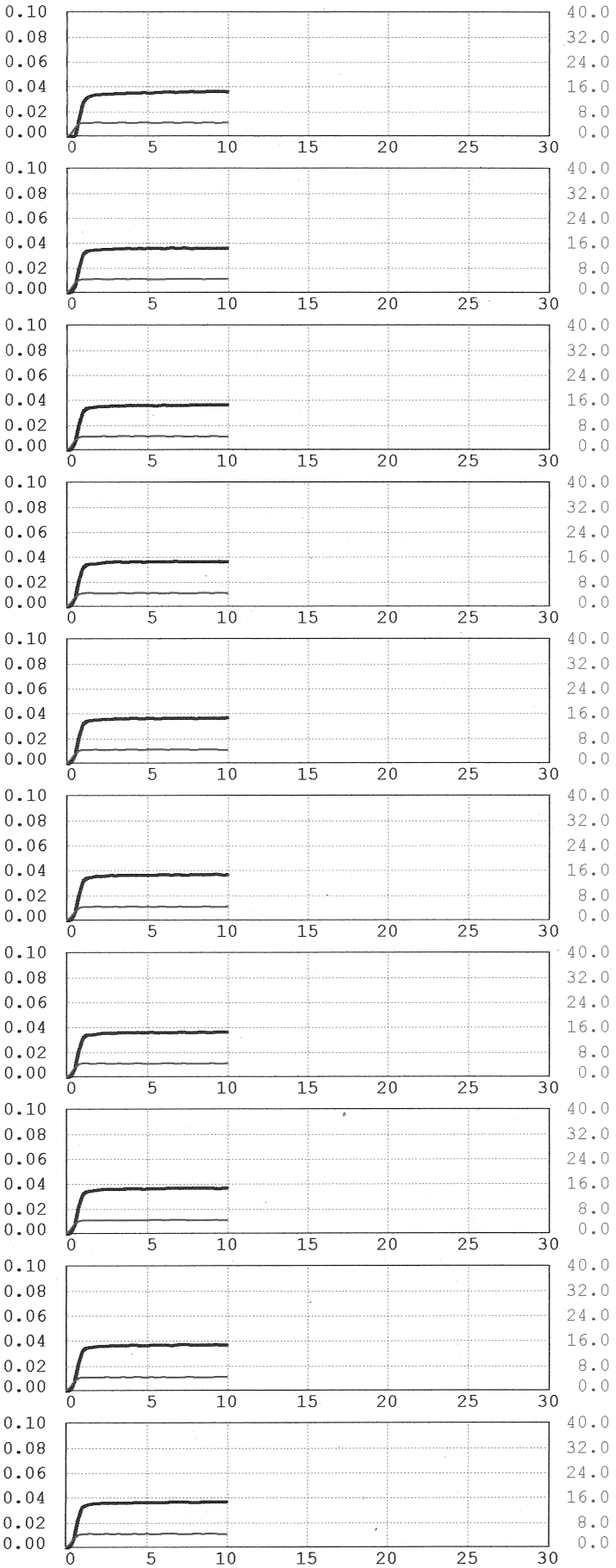
SUPERVISOR NAME: ALB .04IPA IN H2O

SOLUTION LOT #: ~~10-06-04I~~ 10-16-04I

SOLUTION CONCENTRATION: 0.040

BLANK TEST	0.000	10:21
CALIBRATION CHECK	PASSED	10:21
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
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
BLANK TEST	0.000	10:31

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

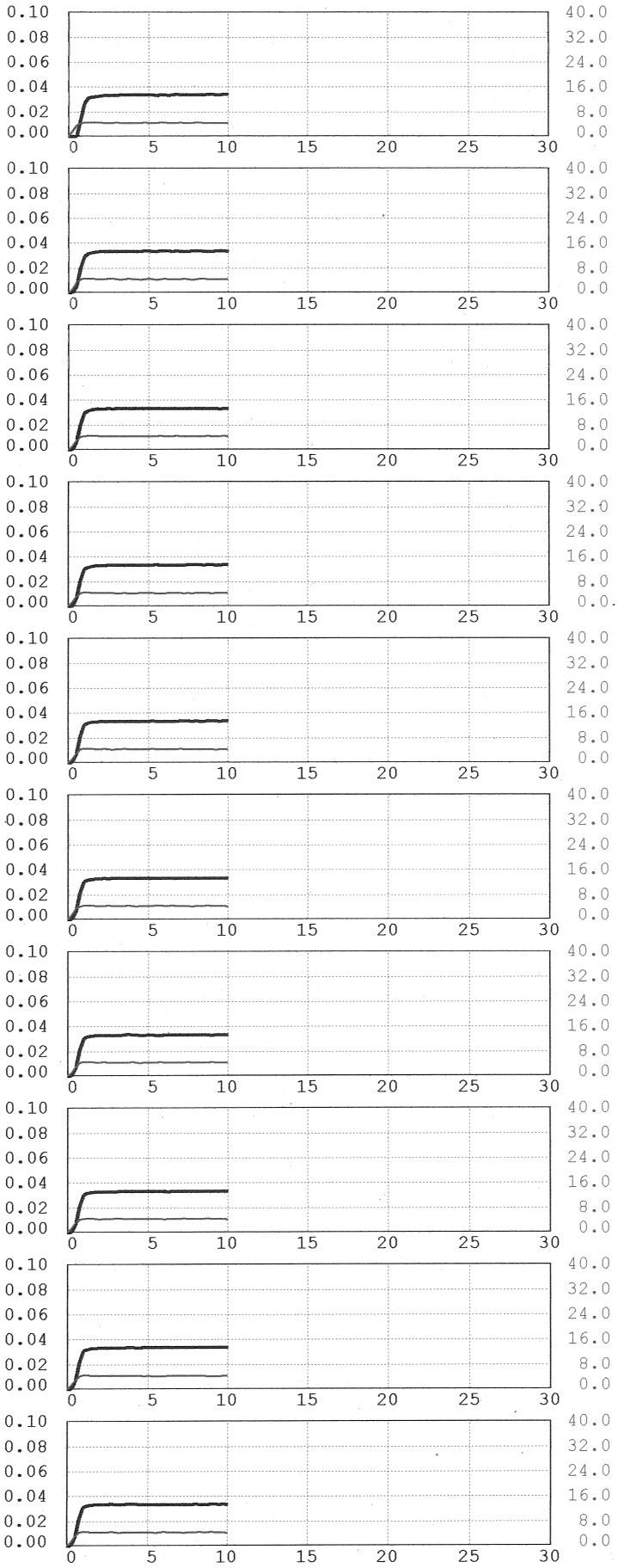
Date: 10/27/2009
Time: 11:34:34

SUPERVISOR NAME: ALB .04MEOH IN H2O

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

BLANK TEST	0.000	11:35
CALIBRATION CHECK	PASSED	11:35
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	11:45

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

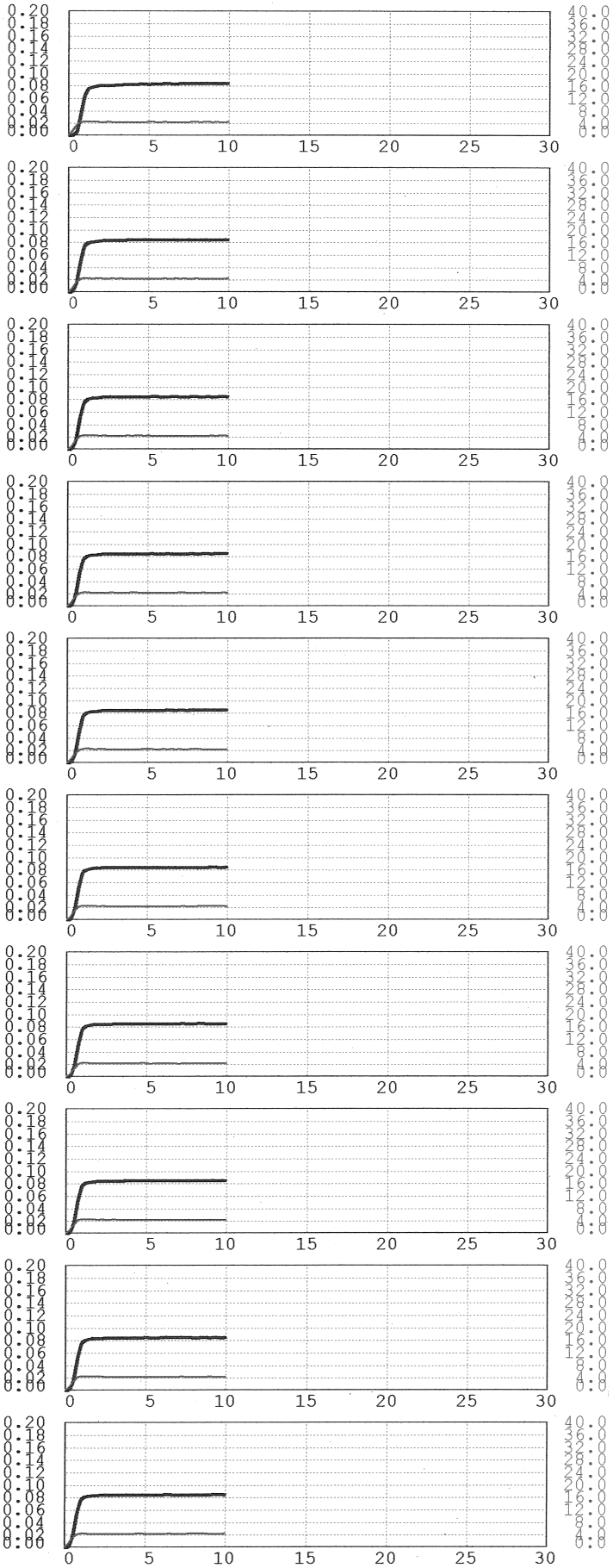
Date: 10/27/2009
Time: 11:53:21

SUPERVISOR NAME: ALB .01ACETONE IN .08ETOH

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

BLANK TEST	0.000	11:54
CALIBRATION CHECK	PASSED	11:54
SIMULATOR VAPOR	INTERFERENCE	11:54
SIMULATOR VAPOR	INTERFERENCE	11:55
SIMULATOR VAPOR	INTERFERENCE	11:56
SIMULATOR VAPOR	INTERFERENCE	11:57
SIMULATOR VAPOR	INTERFERENCE	11:58
SIMULATOR VAPOR	INTERFERENCE	11:59
SIMULATOR VAPOR	INTERFERENCE	12:00
SIMULATOR VAPOR	INTERFERENCE	12:01
SIMULATOR VAPOR	INTERFERENCE	12:02
SIMULATOR VAPOR	INTERFERENCE	12:03
BLANK TEST	0.000	12:04

Average out of range!



Section 4: Linearity

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

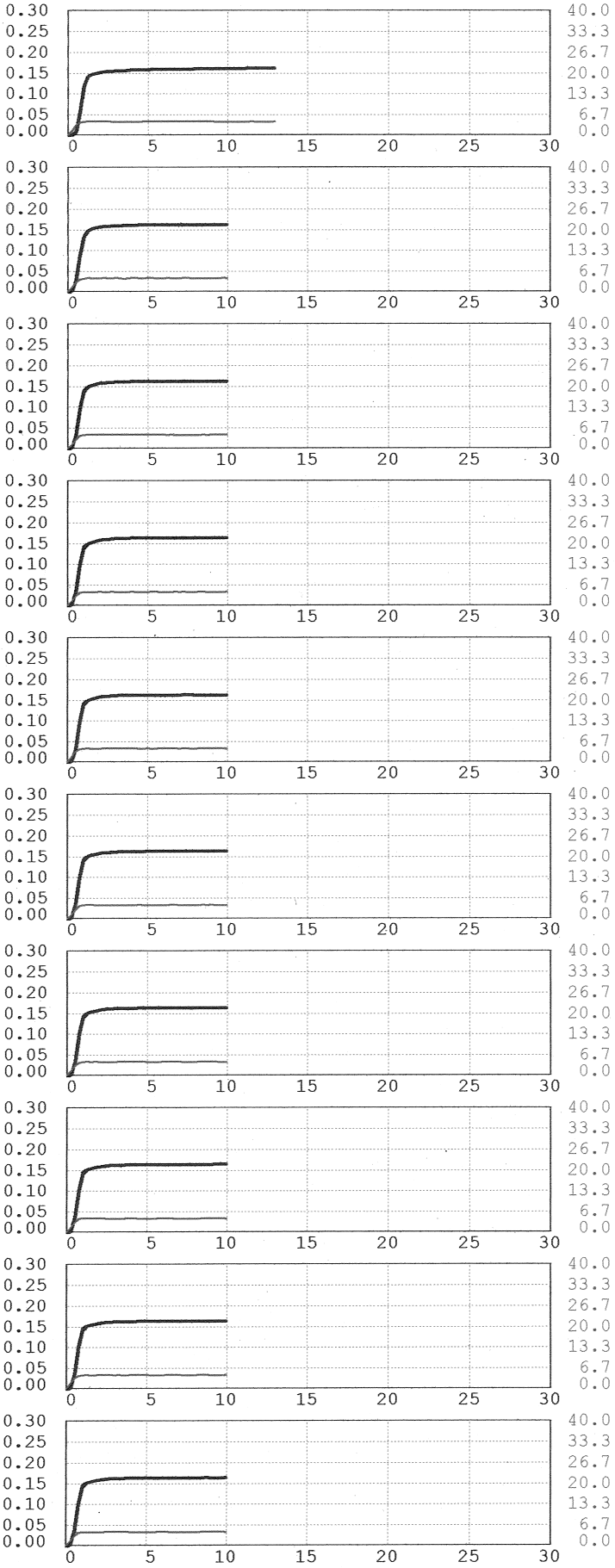
Date: 11/02/2009
Time: 13:44:20

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	13:45
CALIBRATION CHECK	PASSED	13:45
SIMULATOR VAPOR	0.161	13:45
SIMULATOR VAPOR	0.161	13:46
SIMULATOR VAPOR	0.162	13:47
SIMULATOR VAPOR	0.163	13:48
SIMULATOR VAPOR	0.162	13:49
SIMULATOR VAPOR	0.163	13:50
SIMULATOR VAPOR	0.163	13:51
SIMULATOR VAPOR	0.163	13:52
SIMULATOR VAPOR	0.163	13:53
SIMULATOR VAPOR	0.163	13:54
BLANK TEST	0.000	13:55

Average = 0.162
Std Dev = 0.0008



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

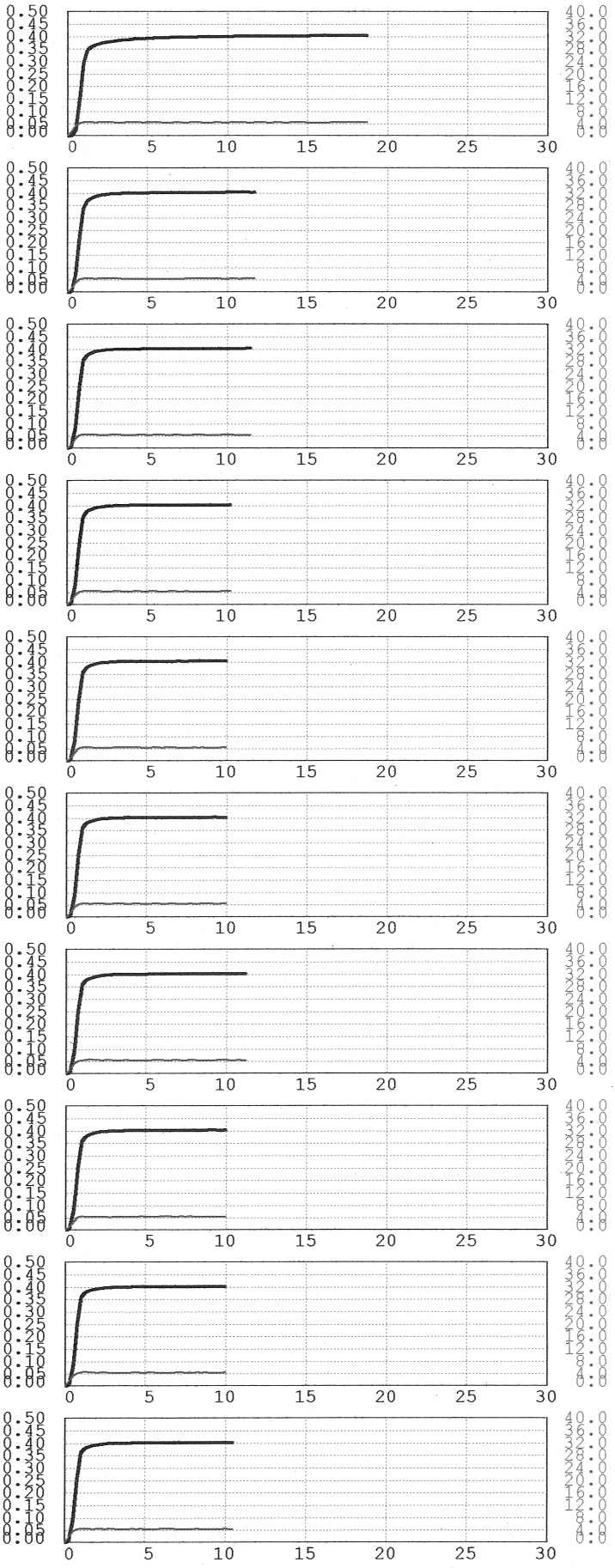
Date: 11/02/2009
Time: 13:57:31

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	13:58
CALIBRATION CHECK	PASSED	13:58
SIMULATOR VAPOR	0.401	13:59
SIMULATOR VAPOR	0.400	14:00
SIMULATOR VAPOR	0.401	14:01
SIMULATOR VAPOR	0.400	14:02
SIMULATOR VAPOR	0.401	14:03
SIMULATOR VAPOR	0.401	14:04
SIMULATOR VAPOR	0.400	14:05
SIMULATOR VAPOR	0.400	14:06
SIMULATOR VAPOR	0.400	14:07
SIMULATOR VAPOR	0.401	14:08
BLANK TEST	0.000	14:09

Average = 0.400
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

Date: 11/02/2009
Time: 14:26:19

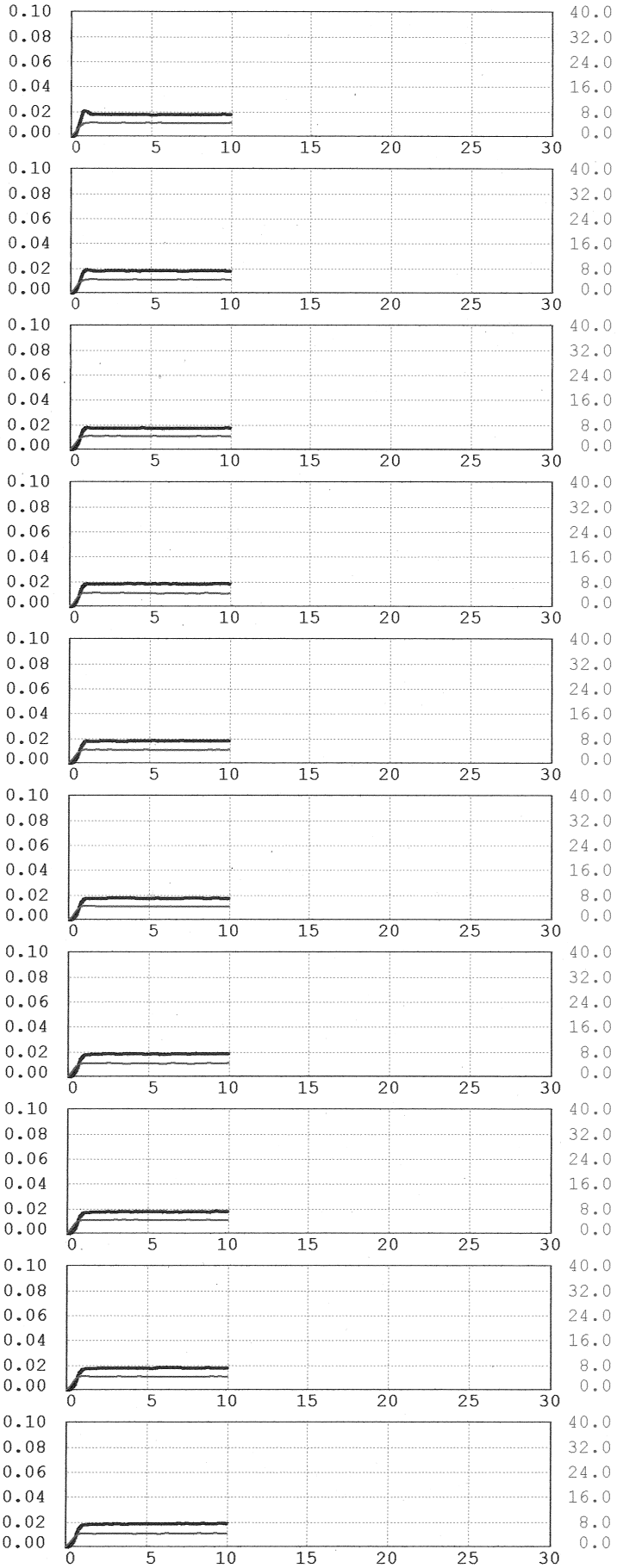
SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	14:27
CALIBRATION CHECK	PASSED	14:27
SIMULATOR VAPOR	0.018	14:27
SIMULATOR VAPOR	0.019	14:28
SIMULATOR VAPOR	0.018	14:29
SIMULATOR VAPOR	0.019	14:30
SIMULATOR VAPOR	0.019	14:31
SIMULATOR VAPOR	0.018	14:32
SIMULATOR VAPOR	0.019	14:33
SIMULATOR VAPOR	0.018	14:34
SIMULATOR VAPOR	0.018	14:35
SIMULATOR VAPOR	0.019	14:36
BLANK TEST	0.000	14:37

Average out of range!

Average = 0.018
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

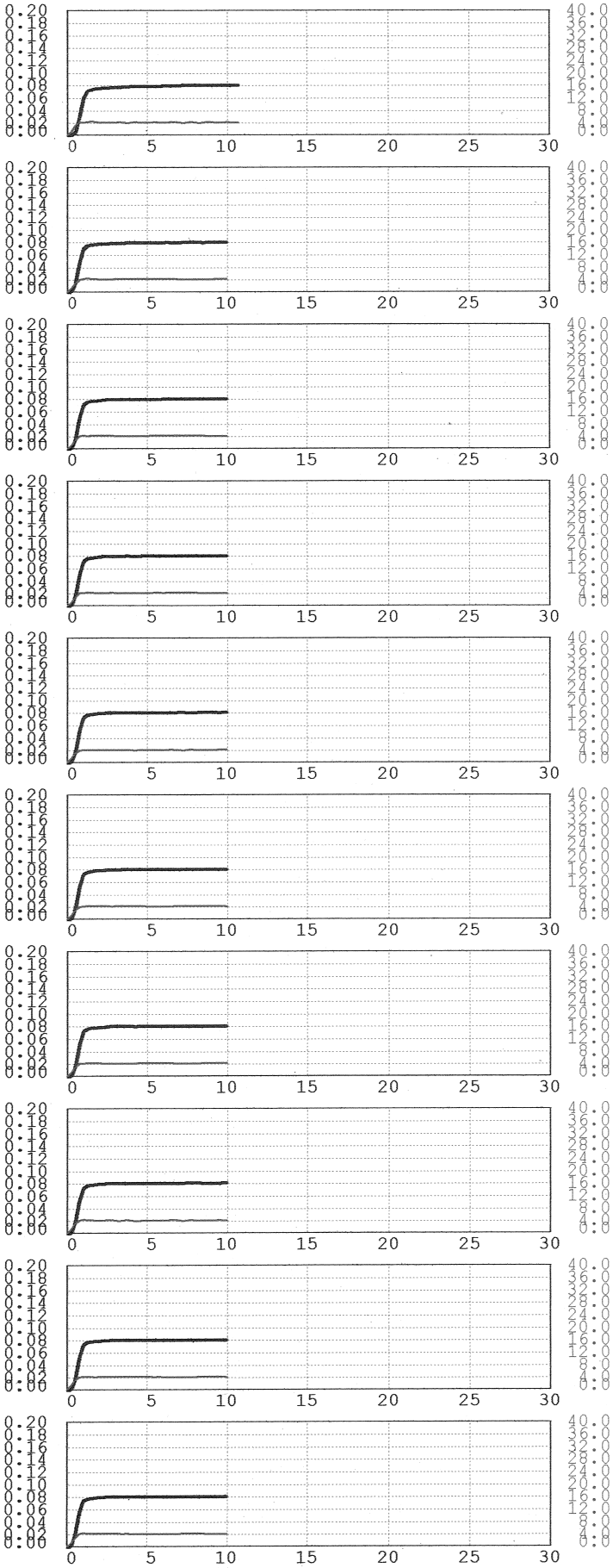
Date: 11/02/2009
Time: 14:40:34

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	14:41
CALIBRATION CHECK	PASSED	14:41
SIMULATOR VAPOR	0.081	14:41
SIMULATOR VAPOR	0.080	14:42
SIMULATOR VAPOR	0.080	14:43
SIMULATOR VAPOR	0.080	14:44
SIMULATOR VAPOR	0.081	14:45
SIMULATOR VAPOR	0.080	14:46
SIMULATOR VAPOR	0.080	14:47
SIMULATOR VAPOR	0.081	14:48
SIMULATOR VAPOR	0.081	14:49
SIMULATOR VAPOR	0.081	14:50
BLANK TEST	0.000	14:51

Average = 0.080
Std Dev = 0.0005



DIAGNOSTIC RESULT

DataMaster DMT: 104009
Location:
Calibration Date: 10/26/2009
Certification Date: 10/26/2009
Installation Date: 10/26/2009
Test Date: 11/20/2009
Time: 08:28

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    = 48.11°C

SETTINGS
Lamp Voltage   = 1.67 V
Cooler Voltage = 1.69 V
Bias Voltage   = 80.9 V
Chopper Freq   = 539.7 Hz

PUMP INFO
Flow Rate = 5.295 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.0547    0.0555
MIN(V)   0.0533    0.0541

FILTER INFO
Filter 1   0.055   Zero = true
Filter 2   0.616   Zero = true
Filter 3   0.436   Zero = true

CALIBRATION CHECK
Xq = 0.0842   1.15%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

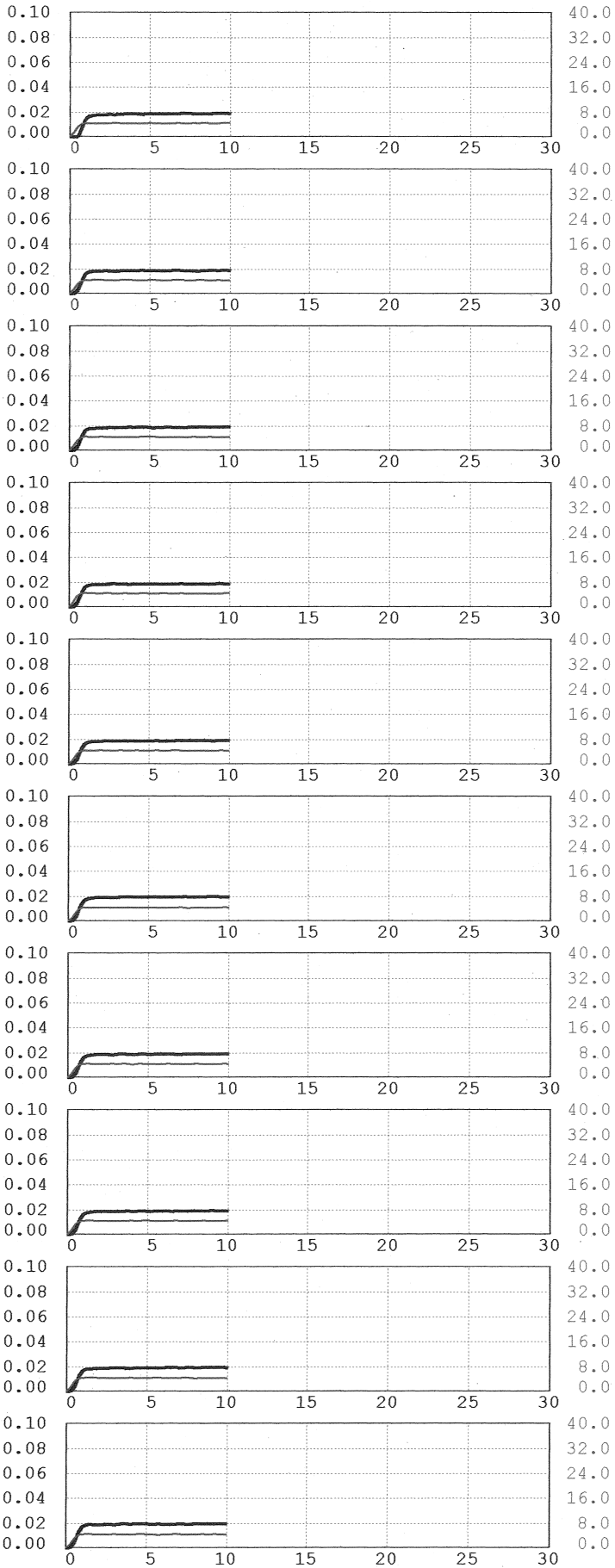
Date: 11/20/2009
Time: 08:30:07

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:31
CALIBRATION CHECK	PASSED	08:31
SIMULATOR VAPOR	0.019	08:31
SIMULATOR VAPOR	0.019	08:32
SIMULATOR VAPOR	0.020	08:33
SIMULATOR VAPOR	0.019	08:34
SIMULATOR VAPOR	0.019	08:35
SIMULATOR VAPOR	0.020	08:36
SIMULATOR VAPOR	0.019	08:37
SIMULATOR VAPOR	0.019	08:38
SIMULATOR VAPOR	0.020	08:39
SIMULATOR VAPOR	0.019	08:40
BLANK TEST	0.000	08:40

Average = 0.019
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

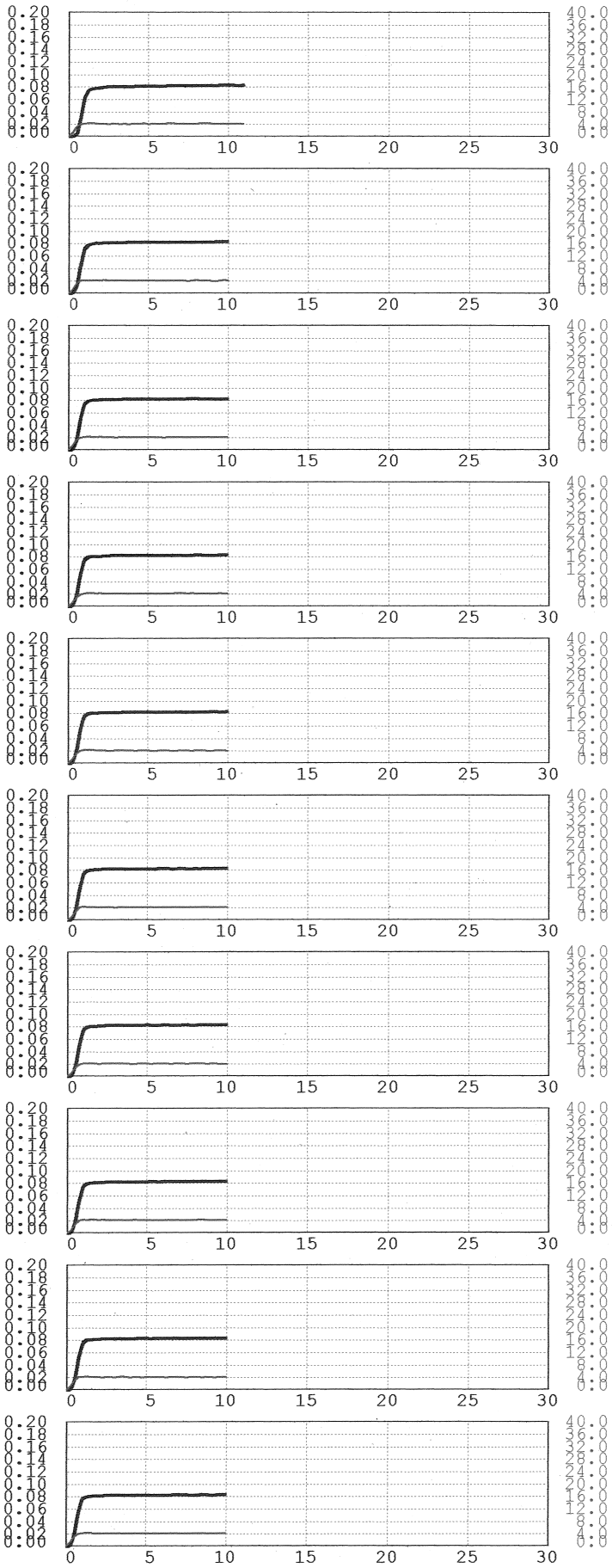
Date: 11/20/2009
Time: 08:45:16

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	08:46
CALIBRATION CHECK	PASSED	08:46
SIMULATOR VAPOR	0.082	08:46
SIMULATOR VAPOR	0.082	08:47
SIMULATOR VAPOR	0.082	08:48
SIMULATOR VAPOR	0.082	08:49
SIMULATOR VAPOR	0.082	08:50
SIMULATOR VAPOR	0.082	08:51
SIMULATOR VAPOR	0.082	08:52
SIMULATOR VAPOR	0.082	08:53
SIMULATOR VAPOR	0.083	08:54
SIMULATOR VAPOR	0.082	08:55
BLANK TEST	0.000	08:56

Average = 0.082
Std Dev = 0.0003



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

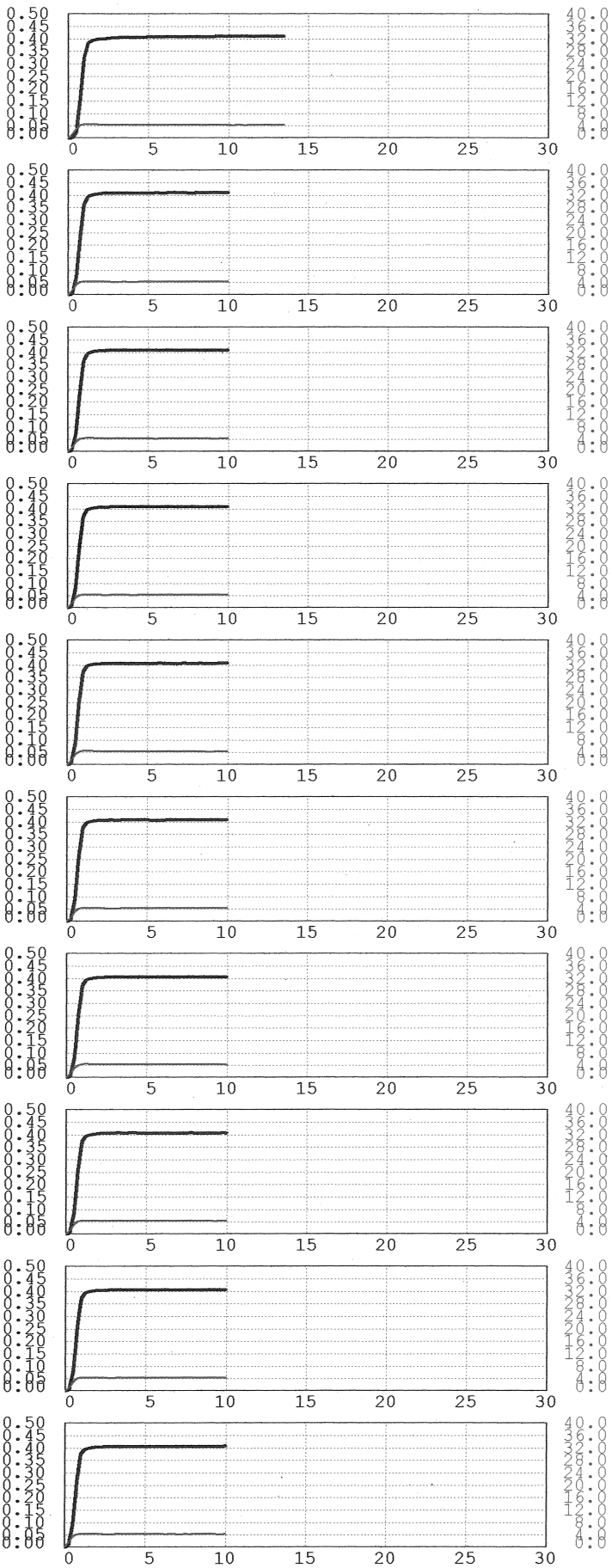
Date: 11/20/2009
Time: 08:59:28

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	09:00
CALIBRATION CHECK	PASSED	09:00
SIMULATOR VAPOR	0.408	09:00
SIMULATOR VAPOR	0.407	09:02
SIMULATOR VAPOR	0.406	09:03
SIMULATOR VAPOR	0.406	09:04
SIMULATOR VAPOR	0.405	09:05
SIMULATOR VAPOR	0.406	09:06
SIMULATOR VAPOR	0.405	09:07
SIMULATOR VAPOR	0.405	09:08
SIMULATOR VAPOR	0.404	09:09
SIMULATOR VAPOR	0.405	09:10
BLANK TEST	0.000	09:10

Average = 0.405
Std Dev = 0.0011



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

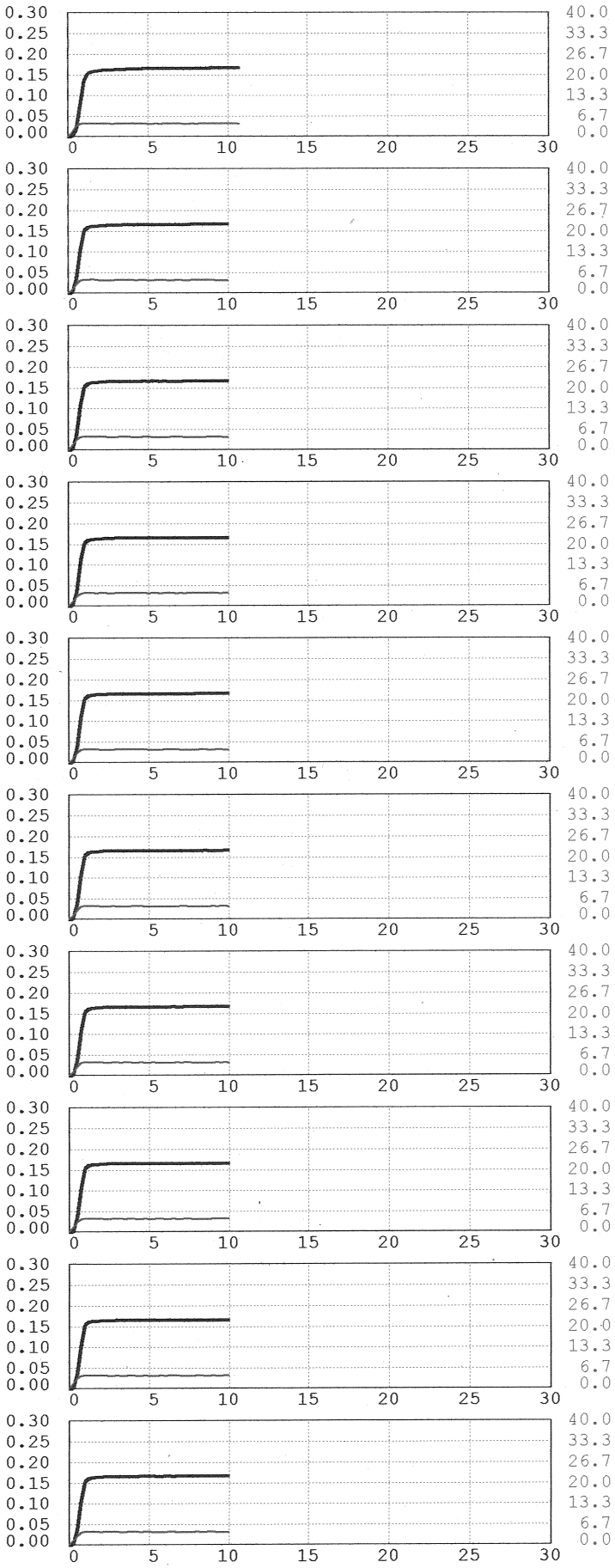
Date: 11/20/2009
Time: 09:14:01

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	09:14
CALIBRATION CHECK	PASSED	09:15
SIMULATOR VAPOR	0.166	09:15
SIMULATOR VAPOR	0.165	09:16
SIMULATOR VAPOR	0.166	09:17
SIMULATOR VAPOR	0.165	09:18
SIMULATOR VAPOR	0.166	09:19
SIMULATOR VAPOR	0.166	09:20
SIMULATOR VAPOR	0.166	09:21
SIMULATOR VAPOR	0.165	09:22
SIMULATOR VAPOR	0.165	09:23
SIMULATOR VAPOR	0.166	09:24
BLANK TEST	0.000	09:25

Average = 0.165
Std Dev = 0.0005



DIAGNOSTIC RESULT

DataMaster DMT: 104009
Location:
Calibration Date: 10/26/2009
Certification Date: 10/26/2009
Installation Date: 10/26/2009
Test Date: 11/23/2009
Time: 07:02

VERMONT
DEPARTMENT OF HEALTH

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

TEMPERATURES
Sample Chamber = 48.68°C
Breath Tube    = 48.10°C

SETTINGS
Lamp Voltage   = 1.68 V
Cooler Voltage = 1.69 V
Bias Voltage   = 80.9 V
Chopper Freq   = 540.9 Hz

PUMP INFO
Flow Rate = 5.164 L/M

DETECTOR INFO
PUMP     ON       OFF
MAX(V)   0.0510   0.0516
MIN(V)   0.0490   0.0504

FILTER INFO
Filter 1  0.051  Zero = true
Filter 2  0.609  Zero = true
Filter 3  0.429  Zero = true

CALIBRATION CHECK
Xq = 0.0824  1.04%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

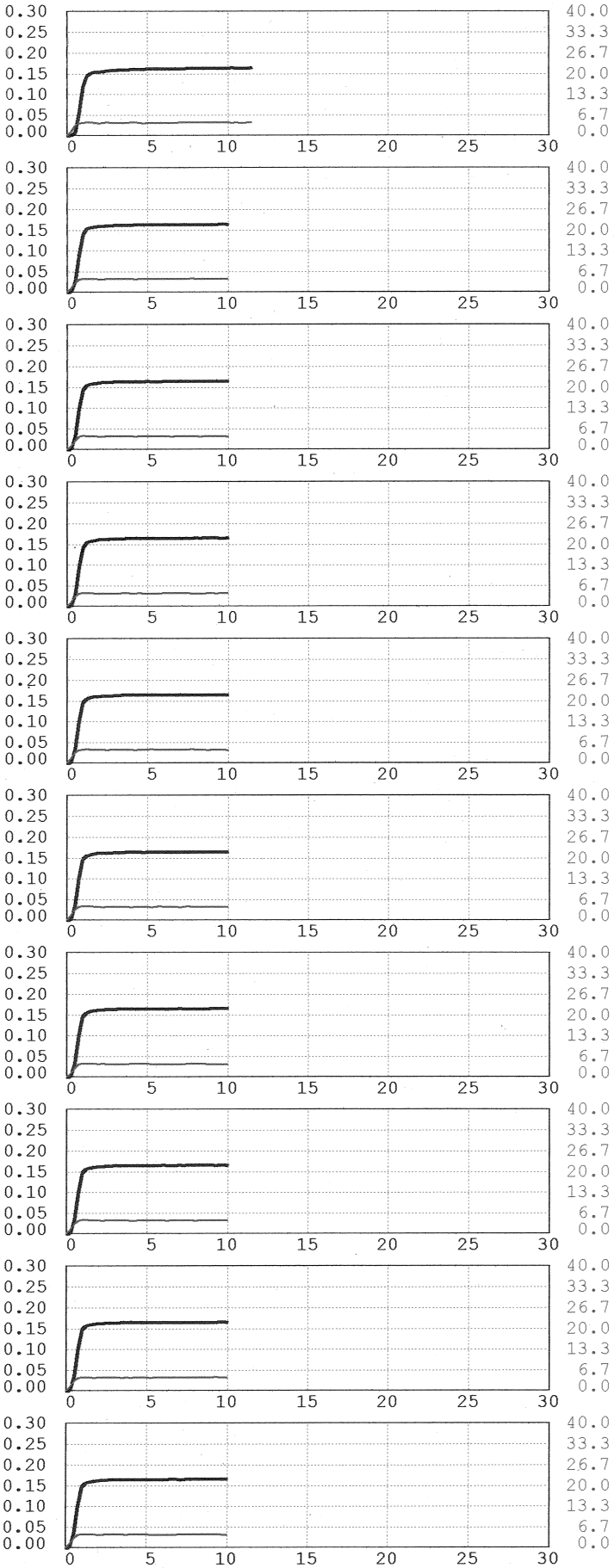
Date: 11/23/2009
Time: 07:57:51

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	07:58
CALIBRATION CHECK	PASSED	07:58
SIMULATOR VAPOR	0.163	07:59
SIMULATOR VAPOR	0.162	08:00
SIMULATOR VAPOR	0.163	08:01
SIMULATOR VAPOR	0.164	08:02
SIMULATOR VAPOR	0.164	08:03
SIMULATOR VAPOR	0.164	08:04
SIMULATOR VAPOR	0.164	08:05
SIMULATOR VAPOR	0.164	08:06
SIMULATOR VAPOR	0.164	08:07
SIMULATOR VAPOR	0.164	08:08
BLANK TEST	0.000	08:08

Average = 0.163
Std Dev = 0.0006



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

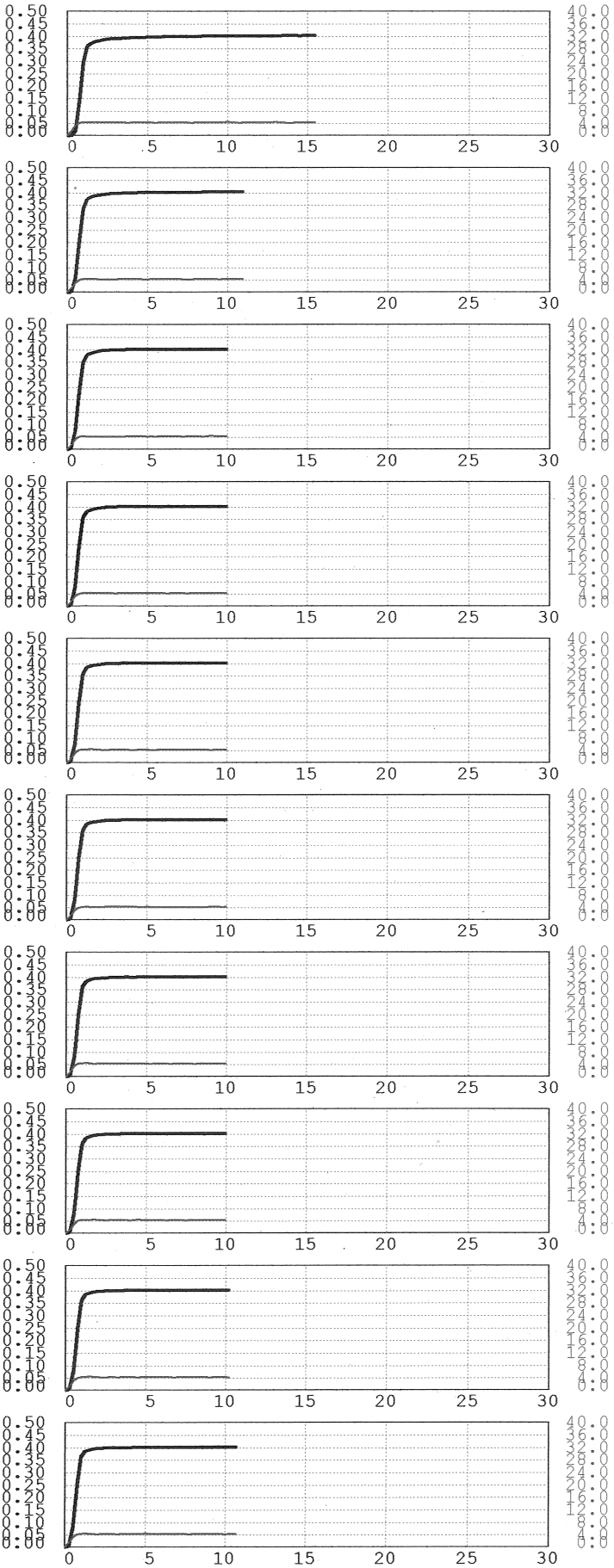
Date: 11/23/2009
Time: 09:23:53

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	09:24
CALIBRATION CHECK	PASSED	09:24
SIMULATOR VAPOR	0.401	09:25
SIMULATOR VAPOR	0.401	09:26
SIMULATOR VAPOR	0.400	09:27
SIMULATOR VAPOR	0.400	09:28
SIMULATOR VAPOR	0.400	09:29
SIMULATOR VAPOR	0.400	09:30
SIMULATOR VAPOR	0.401	09:31
SIMULATOR VAPOR	0.401	09:32
SIMULATOR VAPOR	0.400	09:33
SIMULATOR VAPOR	0.400	09:34
BLANK TEST	0.000	09:35

Average = 0.400
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

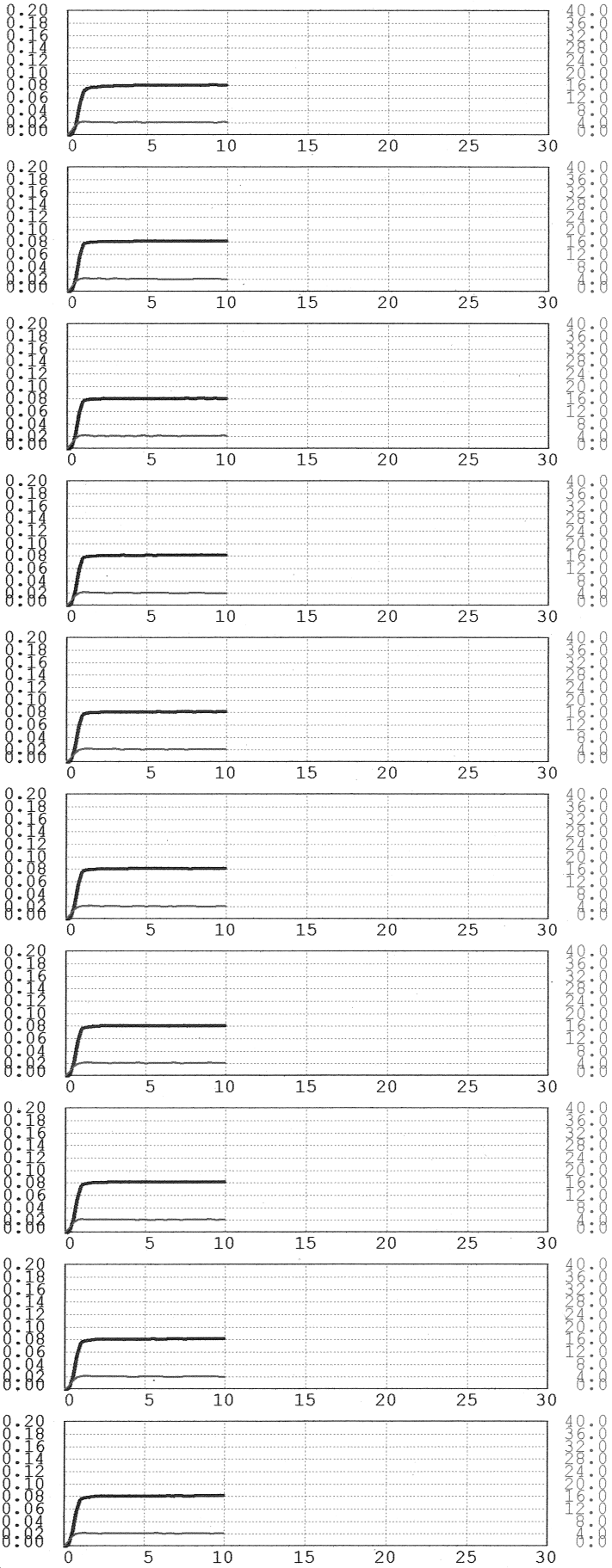
Date: 11/23/2009
Time: 09:42:38

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	09:43
CALIBRATION CHECK	PASSED	09:43
SIMULATOR VAPOR	0.081	09:43
SIMULATOR VAPOR	0.081	09:44
SIMULATOR VAPOR	0.081	09:45
SIMULATOR VAPOR	0.081	09:46
SIMULATOR VAPOR	0.081	09:47
SIMULATOR VAPOR	0.081	09:48
SIMULATOR VAPOR	0.081	09:49
SIMULATOR VAPOR	0.081	09:50
SIMULATOR VAPOR	0.081	09:51
SIMULATOR VAPOR	0.081	09:52
BLANK TEST	0.000	09:53

Average = 0.081
Std Dev = 0.0000



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

Date: 11/23/2009
Time: 12:13:50

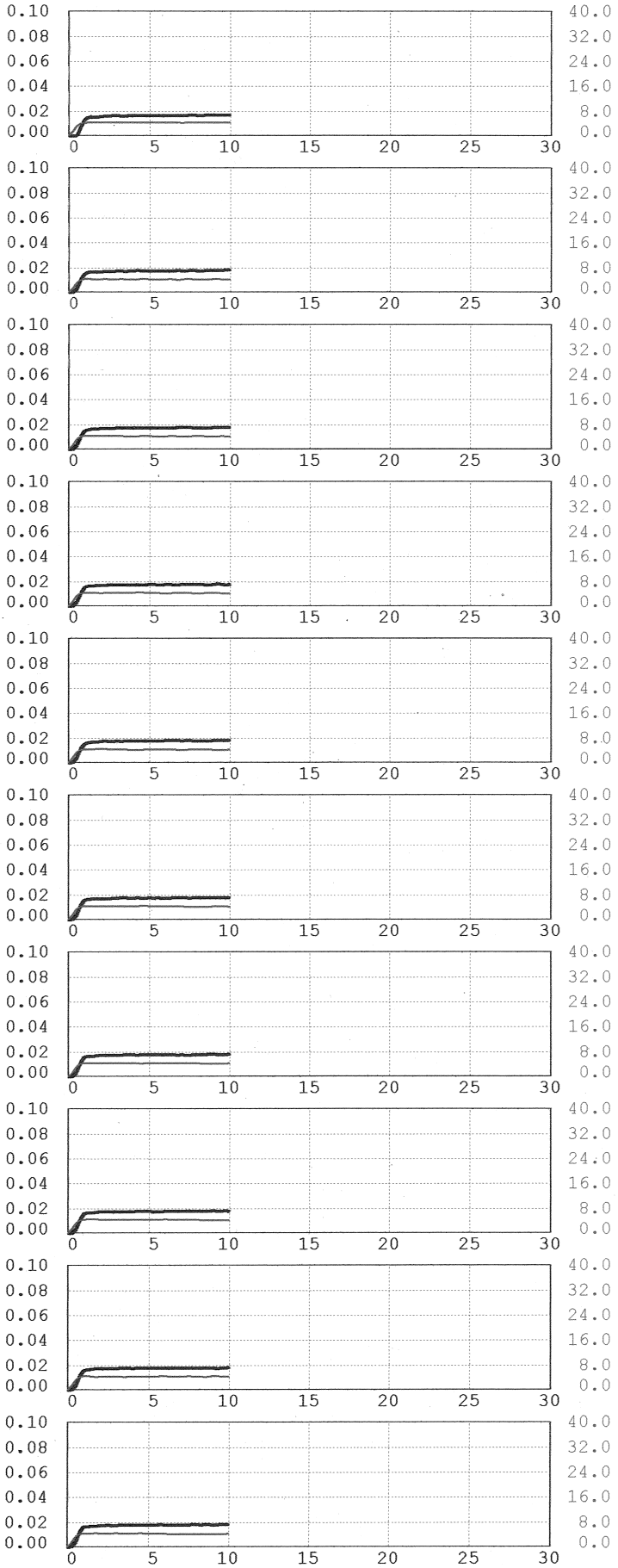
SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	12:14
CALIBRATION CHECK	PASSED	12:14
SIMULATOR VAPOR	0.018	12:15
SIMULATOR VAPOR	0.019	12:16
SIMULATOR VAPOR	0.019	12:17
SIMULATOR VAPOR	0.019	12:18
SIMULATOR VAPOR	0.019	12:19
SIMULATOR VAPOR	0.019	12:20
SIMULATOR VAPOR	0.019	12:21
SIMULATOR VAPOR	0.019	12:21
SIMULATOR VAPOR	0.019	12:22
SIMULATOR VAPOR	0.019	12:23
BLANK TEST	0.000	12:24

Average out of range!

Average = 0.018
Std Dev = 0.0003



DIAGNOSTIC RESULT

DataMaster DMT: 104009
Location:
Calibration Date: 10/26/2009
Certification Date: 10/26/2009
Installation Date: 10/26/2009
Test Date: 11/23/2009
Time: 13:33

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    = 48.06°C

SETTINGS
Lamp Voltage   = 1.67 V
Cooler Voltage = 1.69 V
Bias Voltage   = 80.9 V
Chopper Freq   = 538.3 Hz

PUMP INFO
Flow Rate = 5.177 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V)   0.0346    0.0362
MIN(V)   0.0325    0.0343

FILTER INFO
Filter 1   0.035   Zero = true
Filter 2   0.598   Zero = true
Filter 3   0.408   Zero = true

CALIBRATION CHECK
Xq = 0.0839   0.84%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

Date: 11/23/2009
Time: 13:35:15

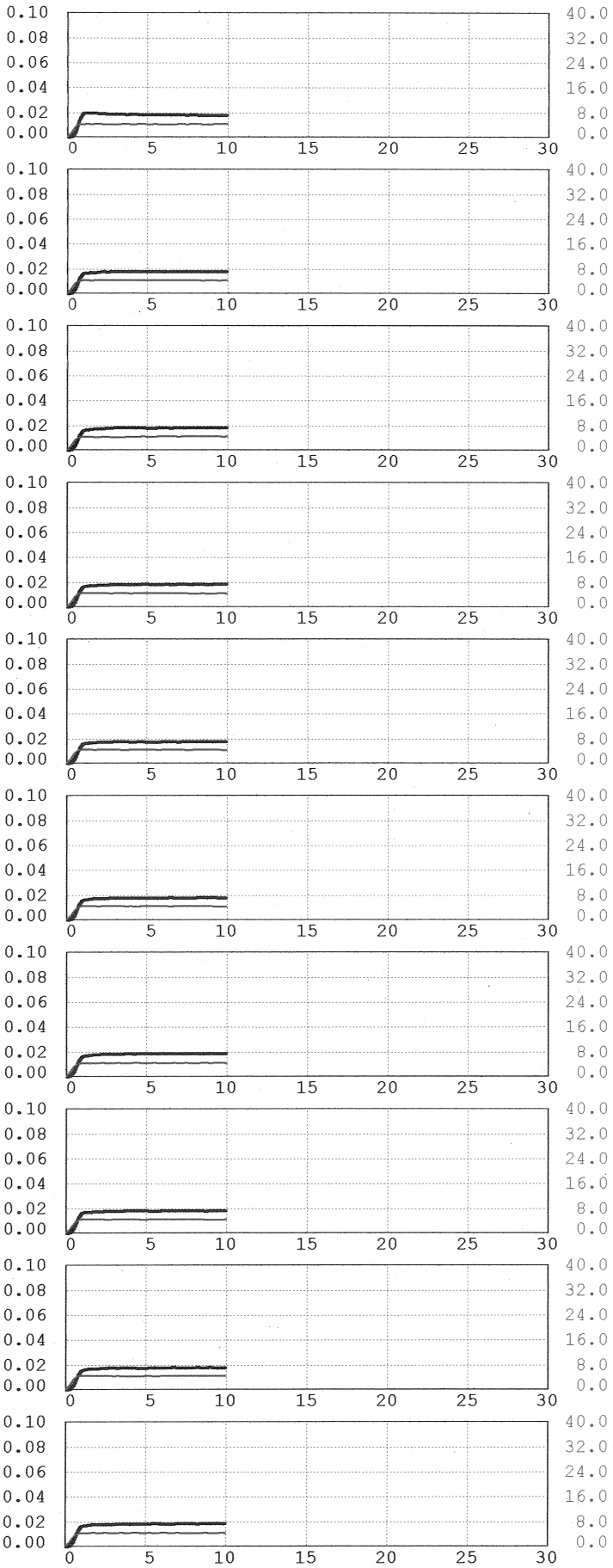
SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	13:36
CALIBRATION CHECK	PASSED	13:36
SIMULATOR VAPOR	0.018	13:36
SIMULATOR VAPOR	0.018	13:37
SIMULATOR VAPOR	0.019	13:38
SIMULATOR VAPOR	0.019	13:39
SIMULATOR VAPOR	0.018	13:40
SIMULATOR VAPOR	0.018	13:41
SIMULATOR VAPOR	0.019	13:42
SIMULATOR VAPOR	0.019	13:43
SIMULATOR VAPOR	0.018	13:44
SIMULATOR VAPOR	0.019	13:45
BLANK TEST	0.000	13:46

Average out of range!

Average = 0.018
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

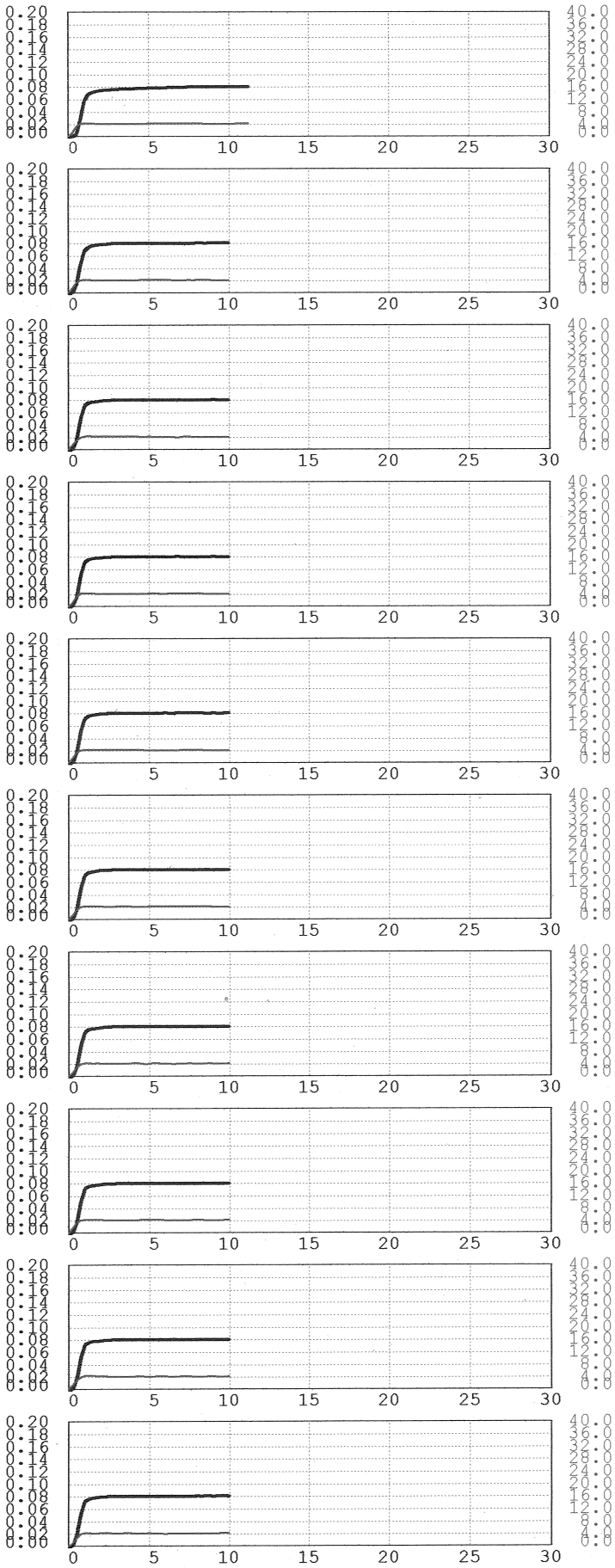
Date: 11/23/2009
Time: 13:48:53

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	13:49
CALIBRATION CHECK	PASSED	13:49
SIMULATOR VAPOR	0.080	13:50
SIMULATOR VAPOR	0.080	13:51
SIMULATOR VAPOR	0.081	13:52
SIMULATOR VAPOR	0.080	13:53
SIMULATOR VAPOR	0.081	13:54
SIMULATOR VAPOR	0.081	13:55
SIMULATOR VAPOR	0.081	13:56
SIMULATOR VAPOR	0.080	13:57
SIMULATOR VAPOR	0.081	13:58
SIMULATOR VAPOR	0.081	13:59
BLANK TEST	0.000	13:59

Average = 0.080
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

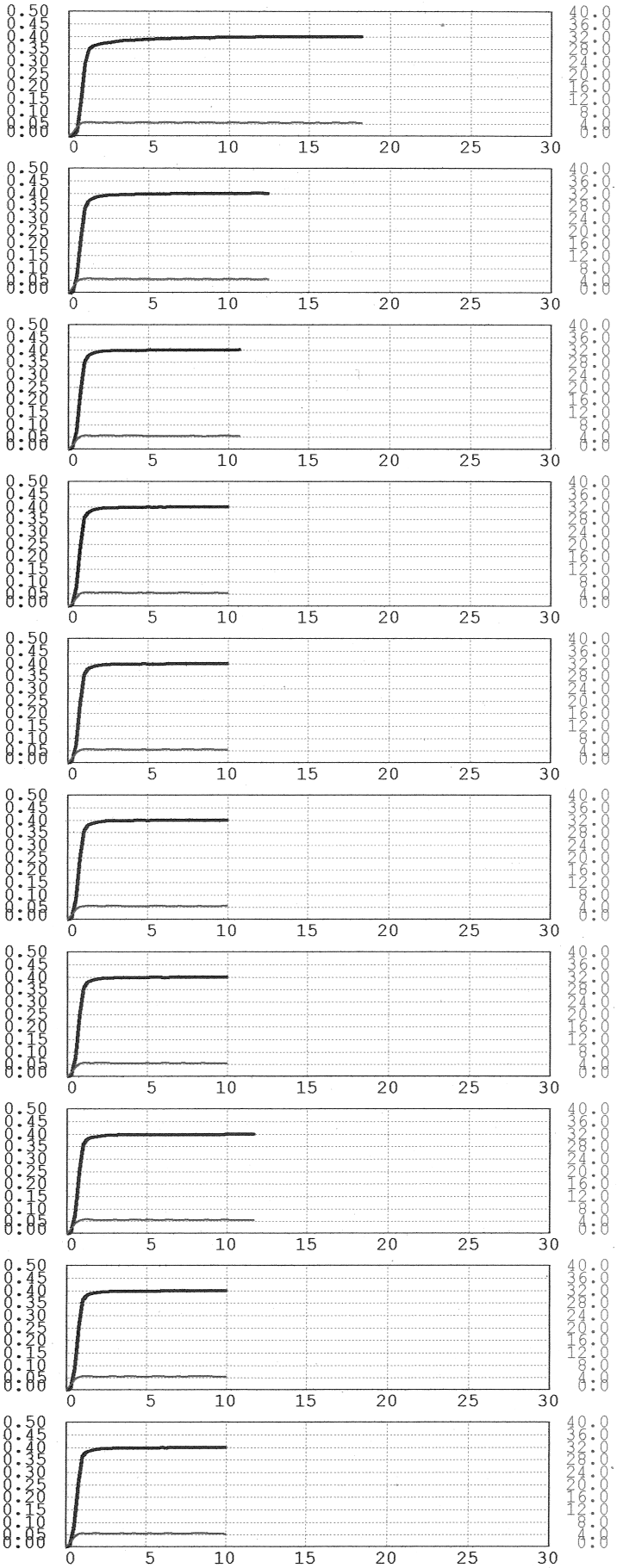
Date: 11/23/2009
Time: 14:02:00

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	14:02
CALIBRATION CHECK	PASSED	14:03
SIMULATOR VAPOR	0.398	14:03
SIMULATOR VAPOR	0.398	14:04
SIMULATOR VAPOR	0.398	14:05
SIMULATOR VAPOR	0.397	14:07
SIMULATOR VAPOR	0.397	14:08
SIMULATOR VAPOR	0.398	14:09
SIMULATOR VAPOR	0.397	14:10
SIMULATOR VAPOR	0.397	14:11
SIMULATOR VAPOR	0.397	14:12
SIMULATOR VAPOR	0.398	14:13
BLANK TEST	0.000	14:13

Average = 0.397
Std Dev = 0.0005



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

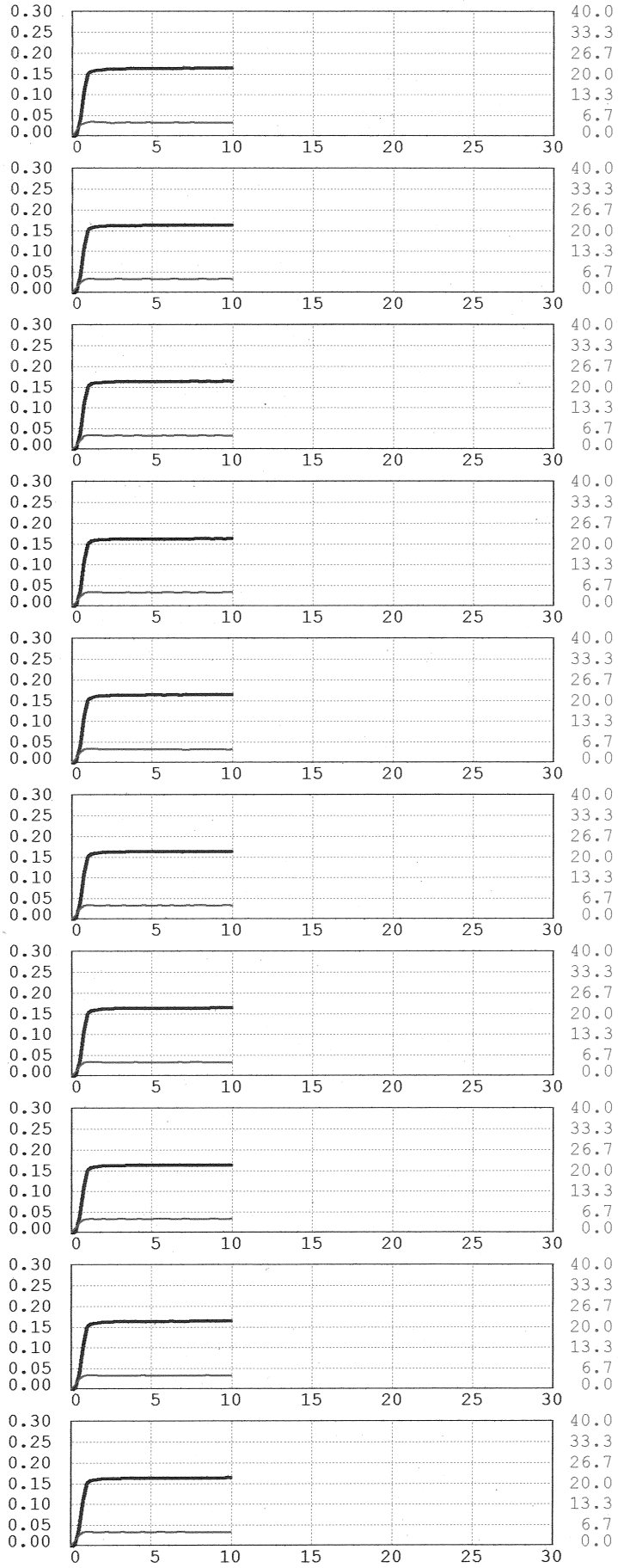
Date: 11/23/2009
Time: 14:15:14

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	14:16
CALIBRATION CHECK	PASSED	14:16
SIMULATOR VAPOR	0.163	14:16
SIMULATOR VAPOR	0.163	14:17
SIMULATOR VAPOR	0.163	14:18
SIMULATOR VAPOR	0.162	14:19
SIMULATOR VAPOR	0.163	14:20
SIMULATOR VAPOR	0.162	14:21
SIMULATOR VAPOR	0.163	14:22
SIMULATOR VAPOR	0.163	14:23
SIMULATOR VAPOR	0.163	14:24
SIMULATOR VAPOR	0.163	14:25
BLANK TEST	0.000	14:26

Average = 0.162
Std Dev = 0.0004



DIAGNOSTIC RESULT

DataMaster DMT: 104009
Location:
Calibration Date: 10/26/2009
Certification Date: 10/26/2009
Installation Date: 10/26/2009
Test Date: 11/30/2009
Time: 13:00

VERMONT
DEPARTMENT OF HEALTH

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

TEMPERATURES
Sample Chamber = 48.80°C
Breath Tube    = 48.09°C

SETTINGS
Lamp Voltage   = 1.67 V
Cooler Voltage = 1.69 V
Bias Voltage   = 80.9 V
Chopper Freq   = 534.4 Hz

PUMP INFO
Flow Rate = 5.190 L/M

DETECTOR INFO
PUMP     ON        OFF
MAX(V) -0.0098   -0.0073
MIN(V) -0.0110   -0.0087

FILTER INFO
Filter 1 -0.009  Zero = true
Filter 2  0.560  Zero = true
Filter 3  0.359  Zero = true

CALIBRATION CHECK
Xq = 0.0824  1.04%
```

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

Date: 11/30/2009
Time: 13:08:50

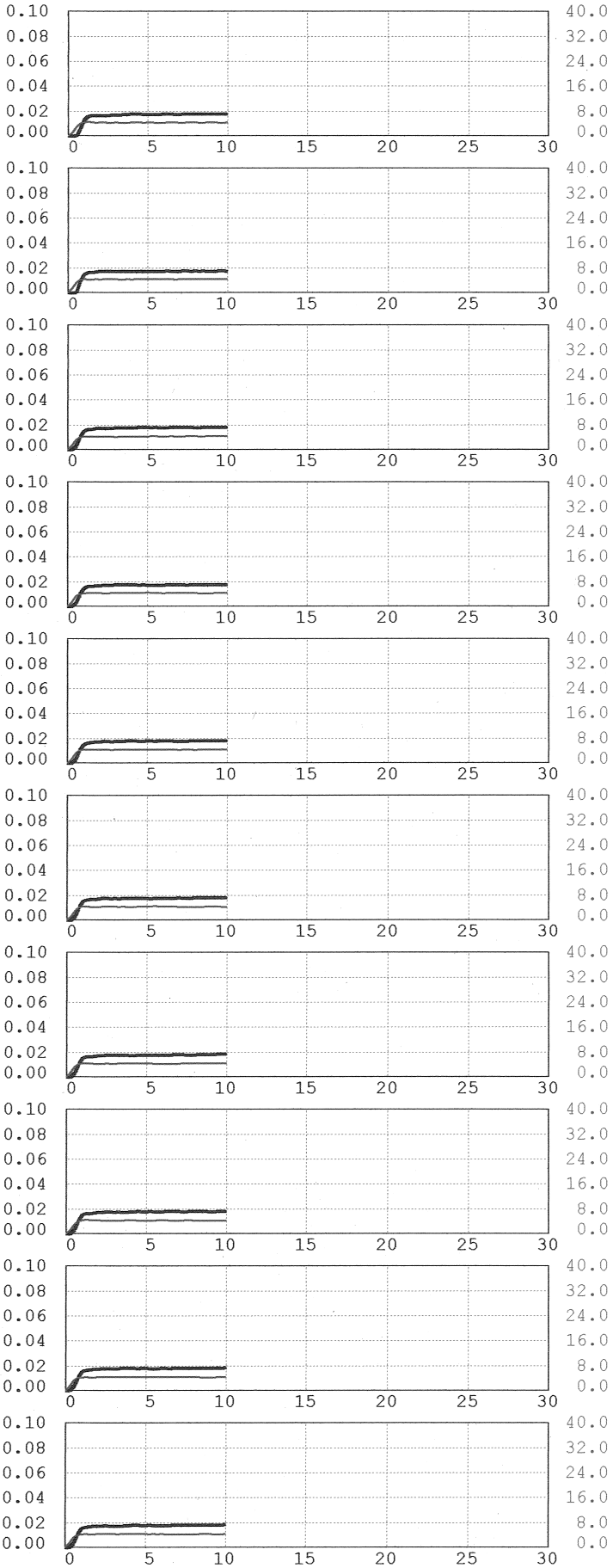
SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	13:09
CALIBRATION CHECK	PASSED	13:09
SIMULATOR VAPOR	0.018	13:10
SIMULATOR VAPOR	0.018	13:11
SIMULATOR VAPOR	0.019	13:12
SIMULATOR VAPOR	0.019	13:13
SIMULATOR VAPOR	0.019	13:14
SIMULATOR VAPOR	0.019	13:15
SIMULATOR VAPOR	0.019	13:16
SIMULATOR VAPOR	0.018	13:16
SIMULATOR VAPOR	0.019	13:17
SIMULATOR VAPOR	0.019	13:18
BLANK TEST	0.000	13:19

Average out of range!

Average = 0.018
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

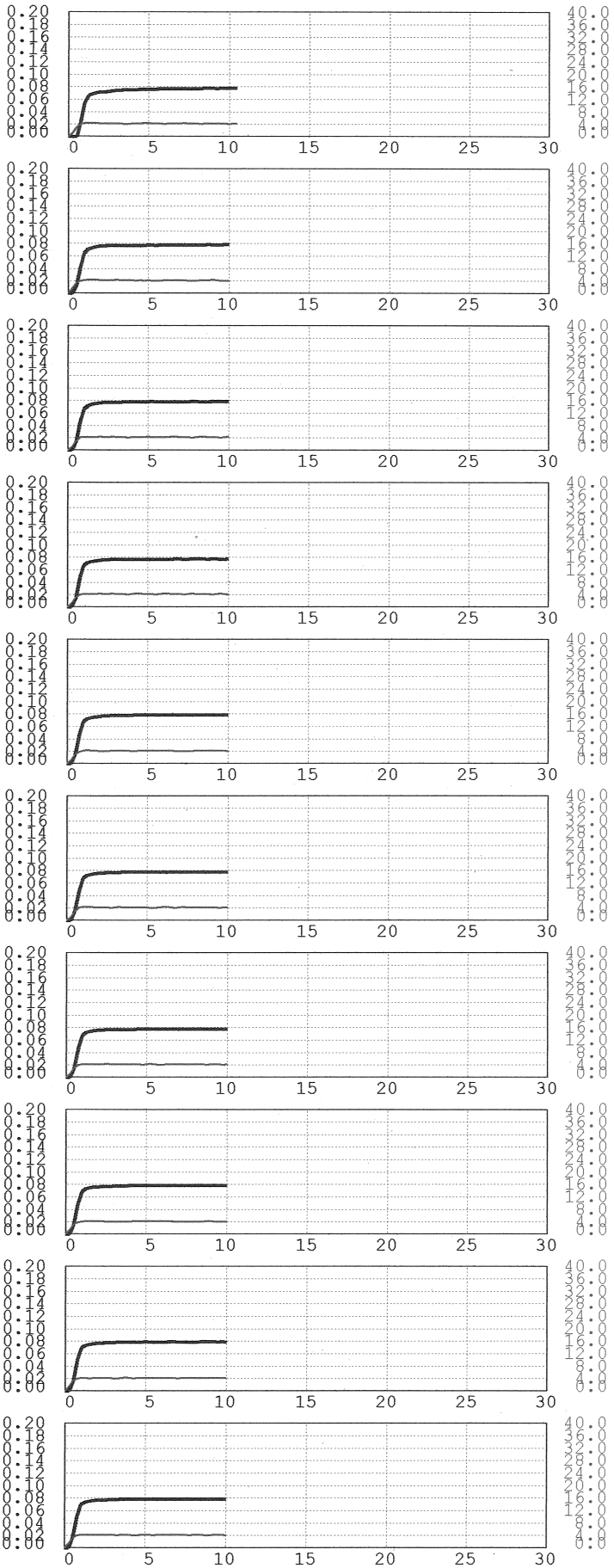
Date: 11/30/2009
Time: 13:50:24

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	13:51
CALIBRATION CHECK	PASSED	13:51
SIMULATOR VAPOR	0.078	13:51
SIMULATOR VAPOR	0.078	13:52
SIMULATOR VAPOR	0.078	13:53
SIMULATOR VAPOR	0.078	13:54
SIMULATOR VAPOR	0.079	13:55
SIMULATOR VAPOR	0.078	13:56
SIMULATOR VAPOR	0.078	13:57
SIMULATOR VAPOR	0.079	13:58
SIMULATOR VAPOR	0.079	13:59
SIMULATOR VAPOR	0.078	14:00
BLANK TEST	0.000	14:01

Average = 0.078
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

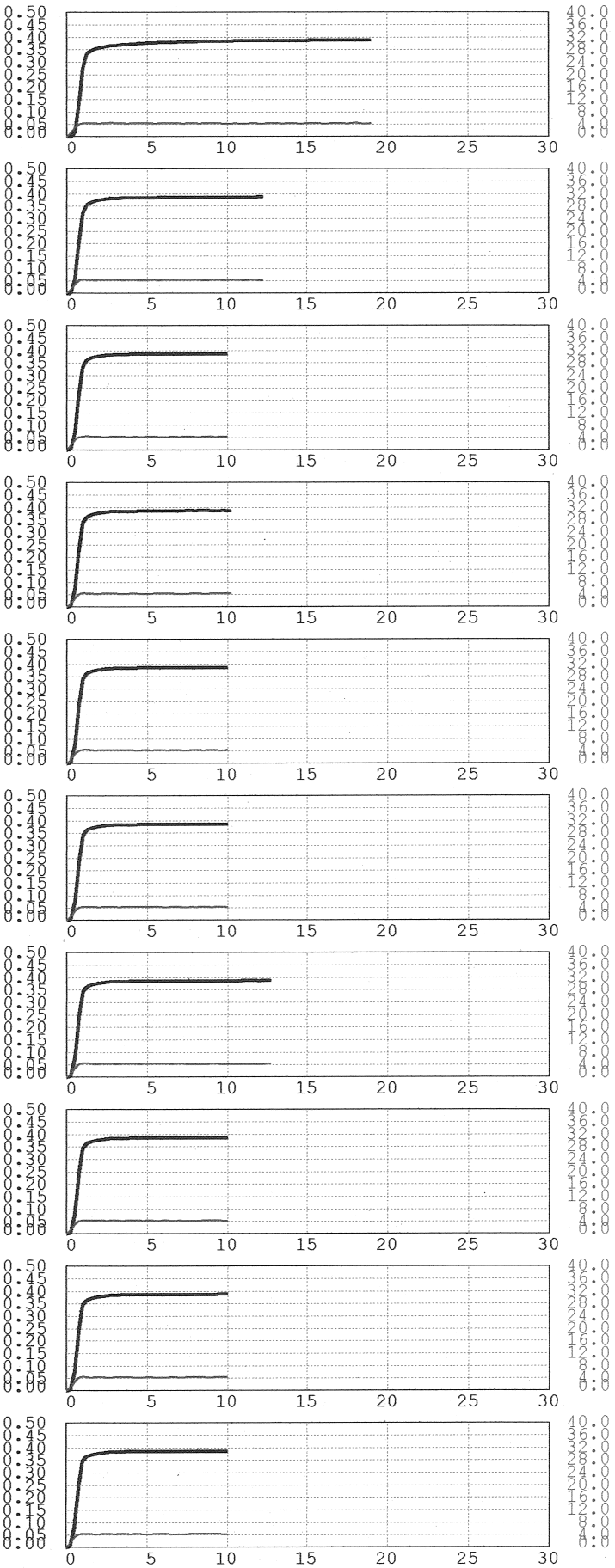
Date: 11/30/2009
Time: 14:08:28

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	14:09
CALIBRATION CHECK	PASSED	14:09
SIMULATOR VAPOR	0.386	14:09
SIMULATOR VAPOR	0.386	14:11
SIMULATOR VAPOR	0.385	14:12
SIMULATOR VAPOR	0.385	14:13
SIMULATOR VAPOR	0.385	14:14
SIMULATOR VAPOR	0.385	14:15
SIMULATOR VAPOR	0.385	14:16
SIMULATOR VAPOR	0.386	14:17
SIMULATOR VAPOR	0.385	14:18
SIMULATOR VAPOR	0.385	14:19
BLANK TEST	0.000	14:19

Average = 0.385
Std Dev = 0.0004



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

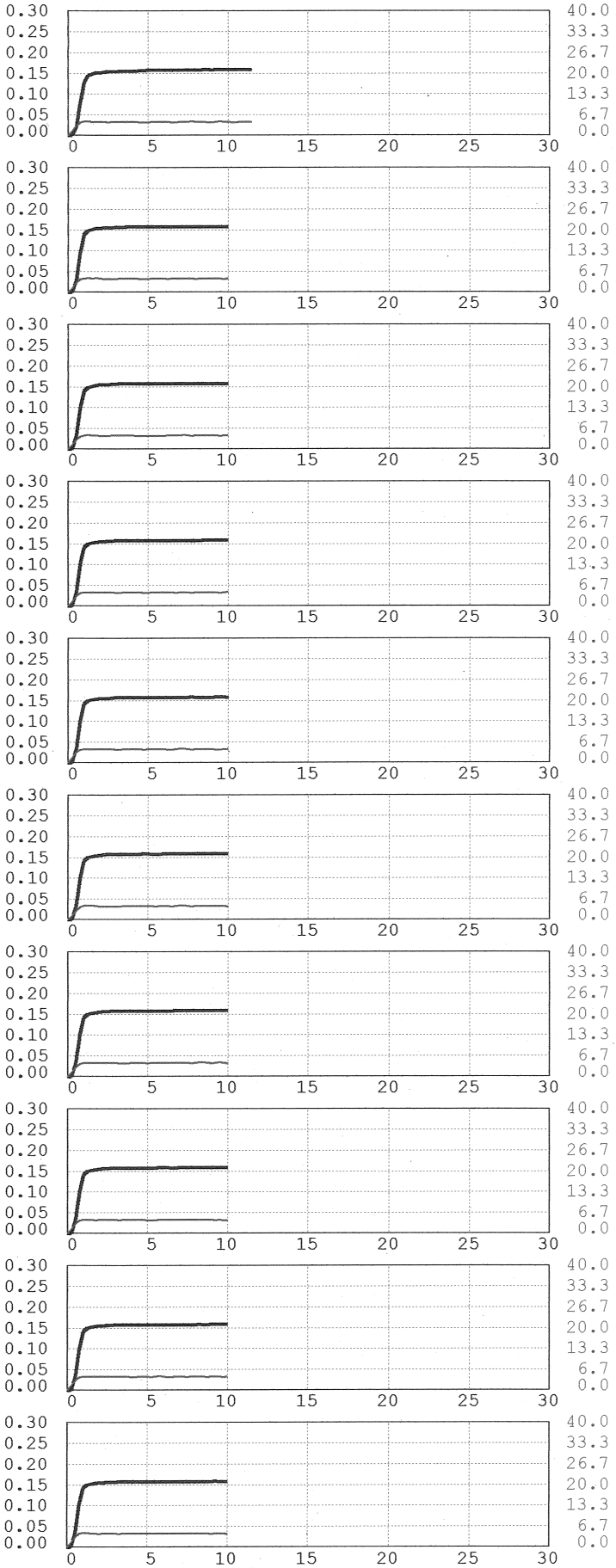
Date: 11/30/2009
Time: 14:55:30

SUPERVISOR NAME: A L B

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

BLANK TEST	0.000	14:56
CALIBRATION CHECK	PASSED	14:56
SIMULATOR VAPOR	0.158	14:56
SIMULATOR VAPOR	0.157	14:57
SIMULATOR VAPOR	0.157	14:58
SIMULATOR VAPOR	0.158	14:59
SIMULATOR VAPOR	0.157	15:00
SIMULATOR VAPOR	0.158	15:01
SIMULATOR VAPOR	0.158	15:02
SIMULATOR VAPOR	0.158	15:03
SIMULATOR VAPOR	0.158	15:04
SIMULATOR VAPOR	0.158	15:05
BLANK TEST	0.000	15:06

Average = 0.157
Std Dev = 0.0004



Section 5: Interference

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

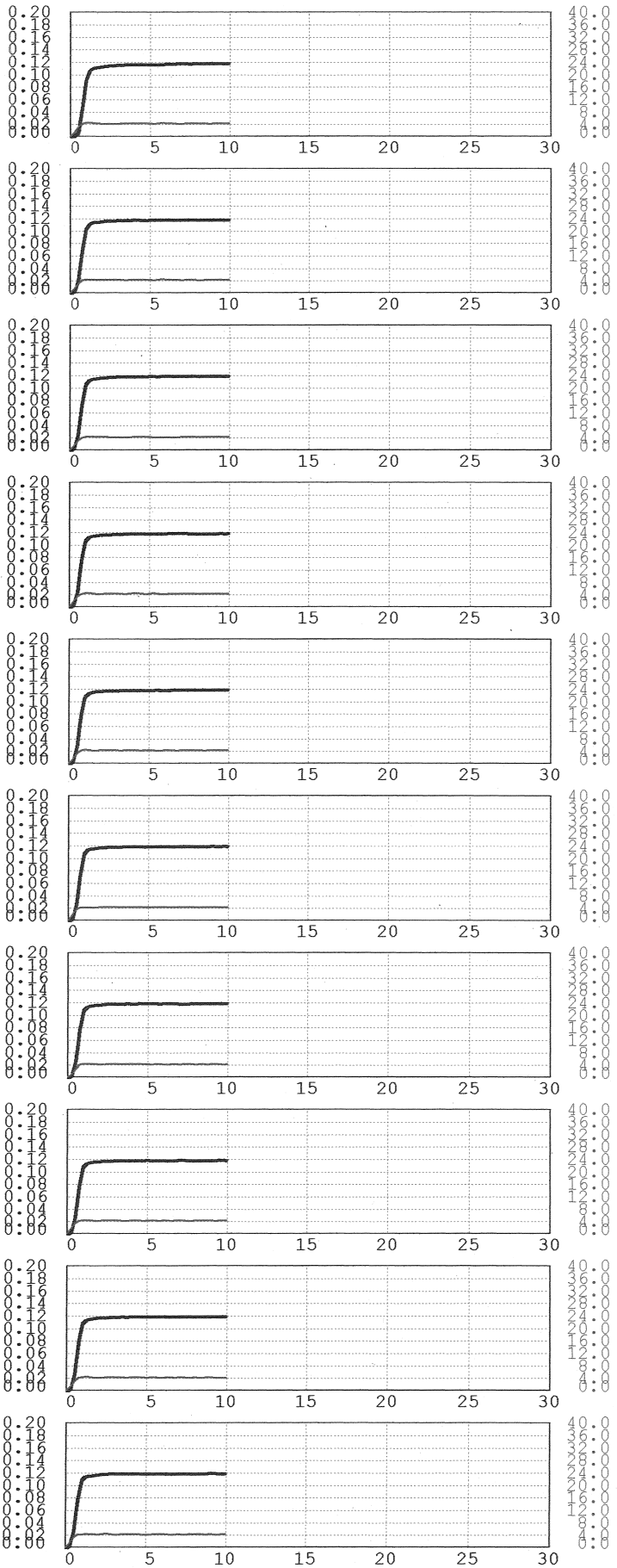
Date: 10/28/2009
Time: 10:49:58

SUPERVISOR NAME: ALB .04MEOH IN .08ETOH

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

BLANK TEST	0.000	10:50
CALIBRATION CHECK	PASSED	10:51
SIMULATOR VAPOR	INTERFERENCE	10:51
SIMULATOR VAPOR	INTERFERENCE	10:52
SIMULATOR VAPOR	INTERFERENCE	10:53
SIMULATOR VAPOR	INTERFERENCE	10:54
SIMULATOR VAPOR	INTERFERENCE	10:55
SIMULATOR VAPOR	INTERFERENCE	10:56
SIMULATOR VAPOR	INTERFERENCE	10:57
SIMULATOR VAPOR	INTERFERENCE	10:58
SIMULATOR VAPOR	INTERFERENCE	10:59
SIMULATOR VAPOR	INTERFERENCE	11:00
BLANK TEST	0.000	11:00

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

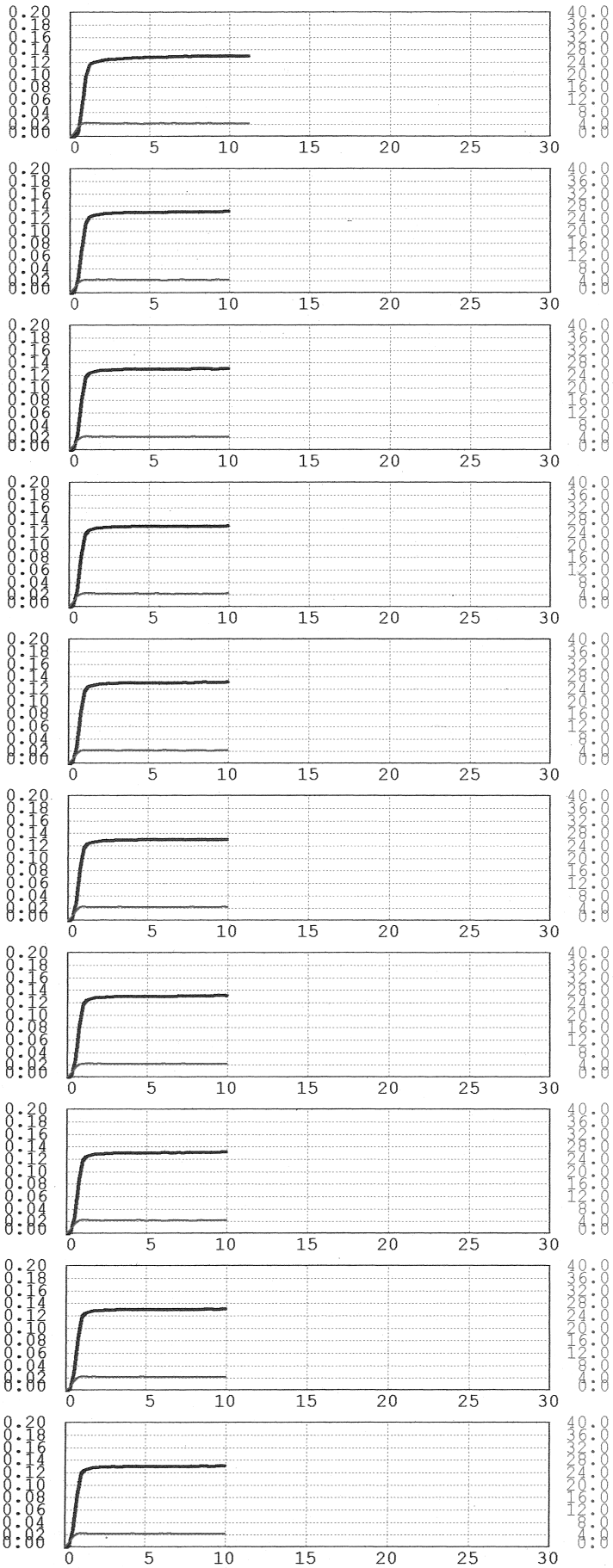
Date: 10/28/2009
Time: 11:16:38

SUPERVISOR NAME: ALB .04IPA IN .08ETOH

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

BLANK TEST	0.000	11:17
CALIBRATION CHECK	PASSED	11:17
SIMULATOR VAPOR	INTERFERENCE	11:17
SIMULATOR VAPOR	INTERFERENCE	11:18
SIMULATOR VAPOR	INTERFERENCE	11:19
SIMULATOR VAPOR	INTERFERENCE	11:20
SIMULATOR VAPOR	INTERFERENCE	11:21
SIMULATOR VAPOR	INTERFERENCE	11:22
SIMULATOR VAPOR	INTERFERENCE	11:23
SIMULATOR VAPOR	INTERFERENCE	11:24
SIMULATOR VAPOR	INTERFERENCE	11:25
SIMULATOR VAPOR	INTERFERENCE	11:26
BLANK TEST	0.000	11:27

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

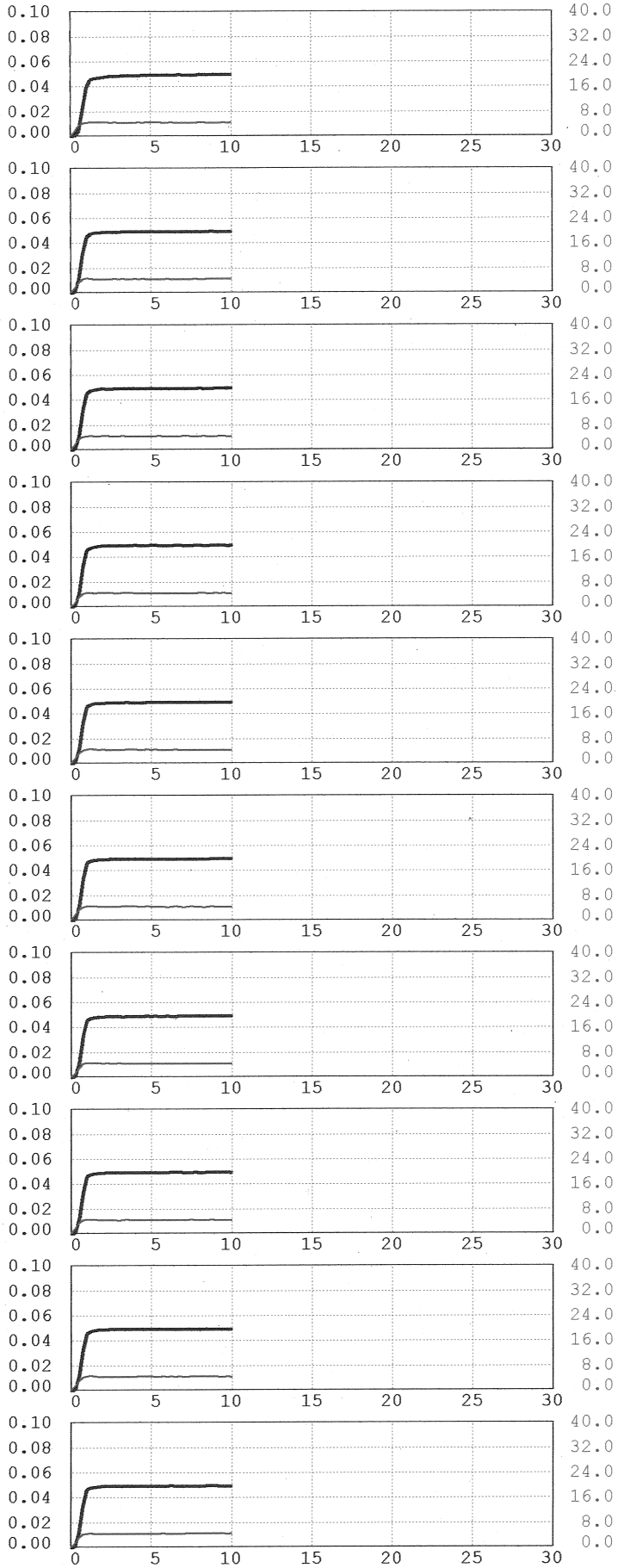
Date: 10/28/2009
Time: 11:43:43

SUPERVISOR NAME: ALB .01ACETONE IN .04ETOH

SOLUTION LOT #: 09-13-04A1
SOLUTION CONCENTRATION: 0.038

BLANK TEST	0.000	11:44
CALIBRATION CHECK	PASSED	11:44
SIMULATOR VAPOR	INTERFERENCE	11:45
SIMULATOR VAPOR	INTERFERENCE	11:46
SIMULATOR VAPOR	INTERFERENCE	11:47
SIMULATOR VAPOR	INTERFERENCE	11:48
SIMULATOR VAPOR	INTERFERENCE	11:49
SIMULATOR VAPOR	INTERFERENCE	11:49
SIMULATOR VAPOR	INTERFERENCE	11:50
SIMULATOR VAPOR	INTERFERENCE	11:51
SIMULATOR VAPOR	INTERFERENCE	11:52
SIMULATOR VAPOR	INTERFERENCE	11:53
BLANK TEST	0.000	11:54

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

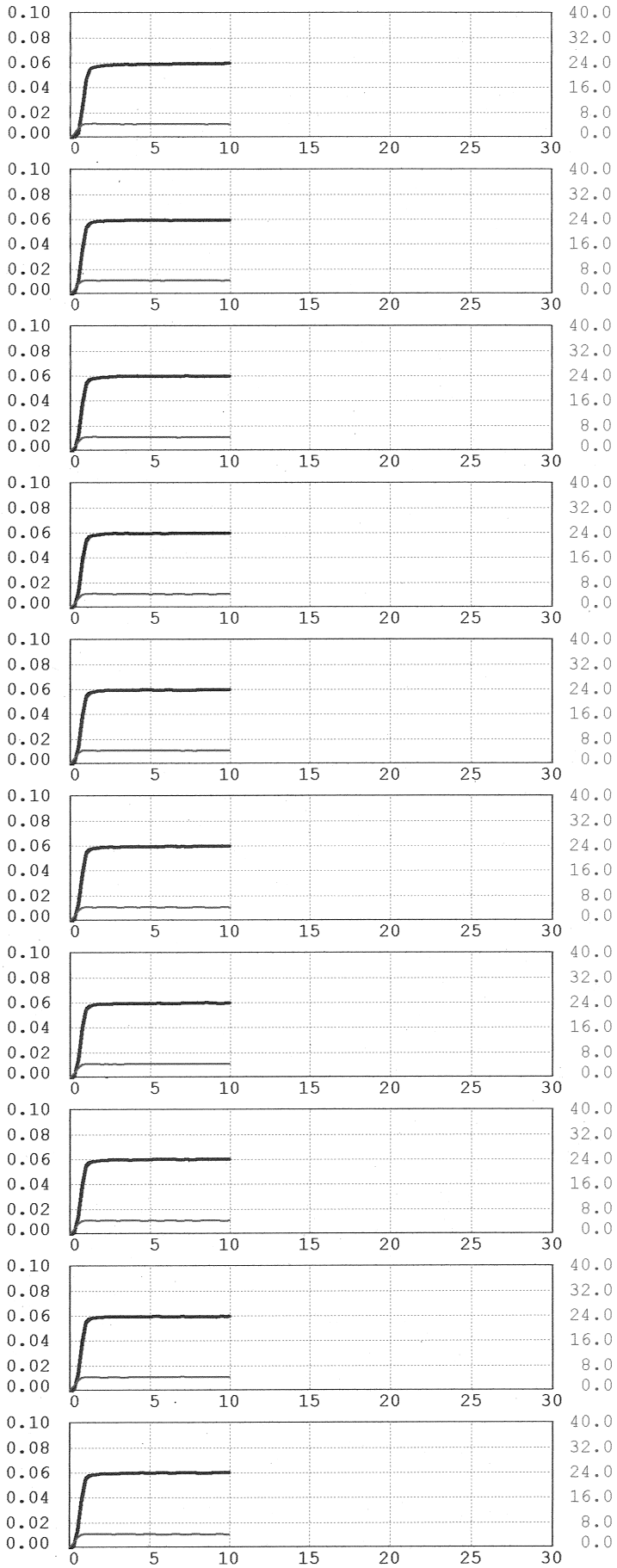
Date: 10/28/2009
Time: 12:18:38

SUPERVISOR NAME: ALB .02ACETONE IN .04ETOH

SOLUTION LOT #: 09-13-04A2
SOLUTION CONCENTRATION: 0.390

BLANK TEST	0.000	12:19
CALIBRATION CHECK	PASSED	12:19
SIMULATOR VAPOR	INTERFERENCE	12:19
SIMULATOR VAPOR	INTERFERENCE	12:20
SIMULATOR VAPOR	INTERFERENCE	12:21
SIMULATOR VAPOR	INTERFERENCE	12:22
SIMULATOR VAPOR	INTERFERENCE	12:23
SIMULATOR VAPOR	INTERFERENCE	12:24
SIMULATOR VAPOR	INTERFERENCE	12:25
SIMULATOR VAPOR	INTERFERENCE	12:26
SIMULATOR VAPOR	INTERFERENCE	12:27
SIMULATOR VAPOR	INTERFERENCE	12:28
BLANK TEST	0.000	12:29

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

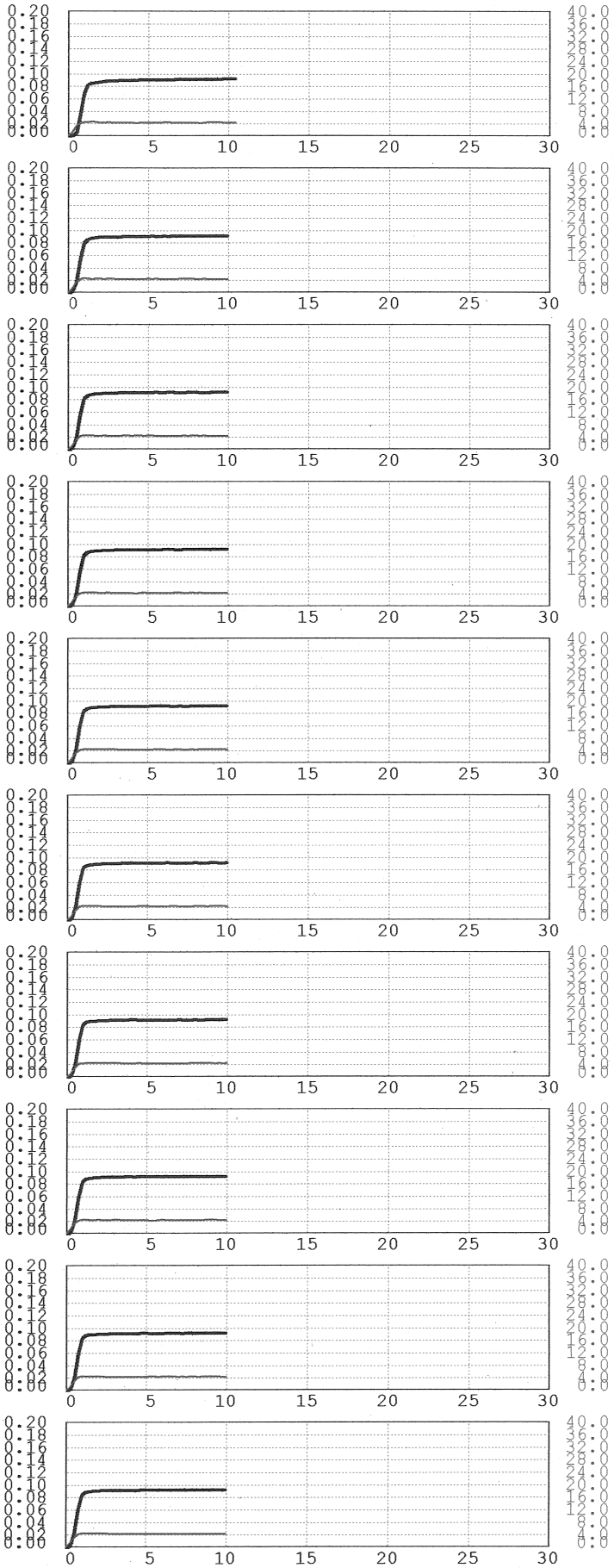
Date: 10/28/2009
Time: 13:26:31

SUPERVISOR NAME: ALB .02ACETONE IN .08ETOH

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

BLANK TEST	0.000	13:27
CALIBRATION CHECK	PASSED	13:27
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
SIMULATOR VAPOR	INTERFERENCE	13:33
SIMULATOR VAPOR	INTERFERENCE	13:34
SIMULATOR VAPOR	INTERFERENCE	13:35
SIMULATOR VAPOR	INTERFERENCE	13:36
BLANK TEST	0.000	13:37

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

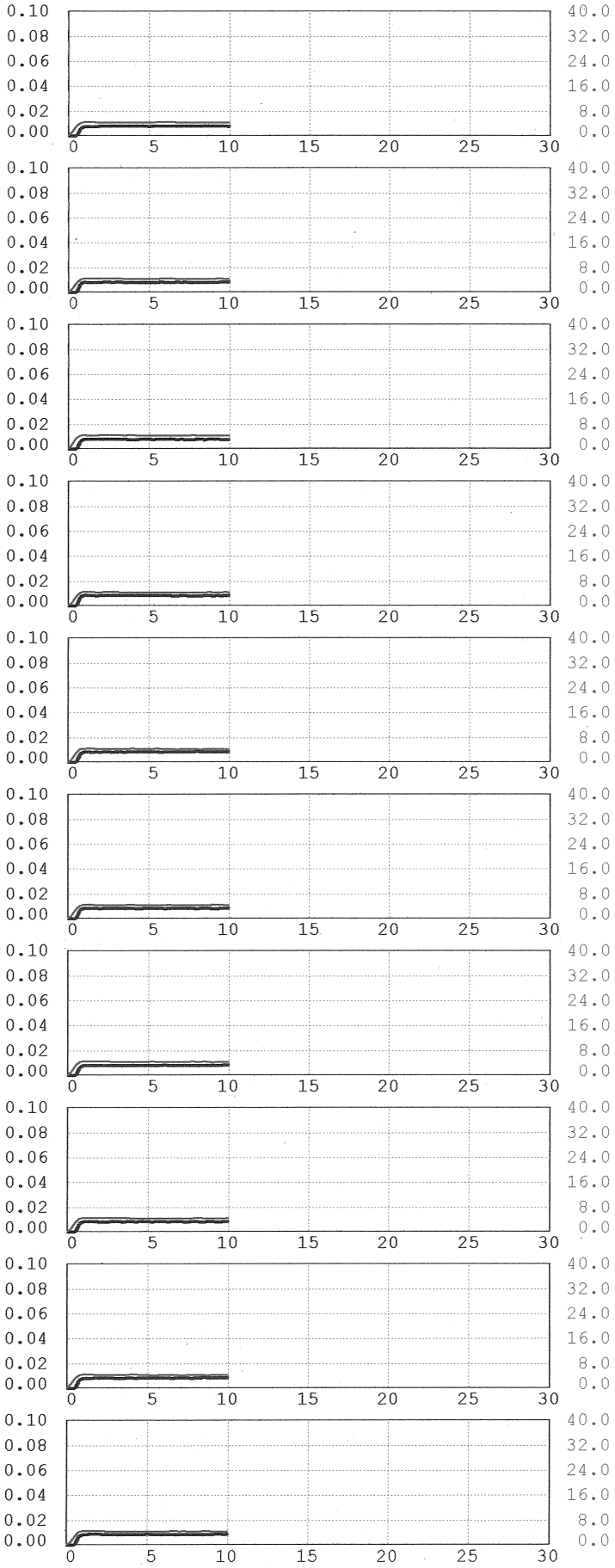
Date: 10/28/2009
Time: 14:08:28

SUPERVISOR NAME: ALB .02ACETONE IN H2O

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

BLANK TEST	0.000	14:09
CALIBRATION CHECK	PASSED	14:09
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
SIMULATOR VAPOR	INTERFERENCE	14:17
SIMULATOR VAPOR	INTERFERENCE	14:18
BLANK TEST	0.000	14:19

Average out of range!



ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

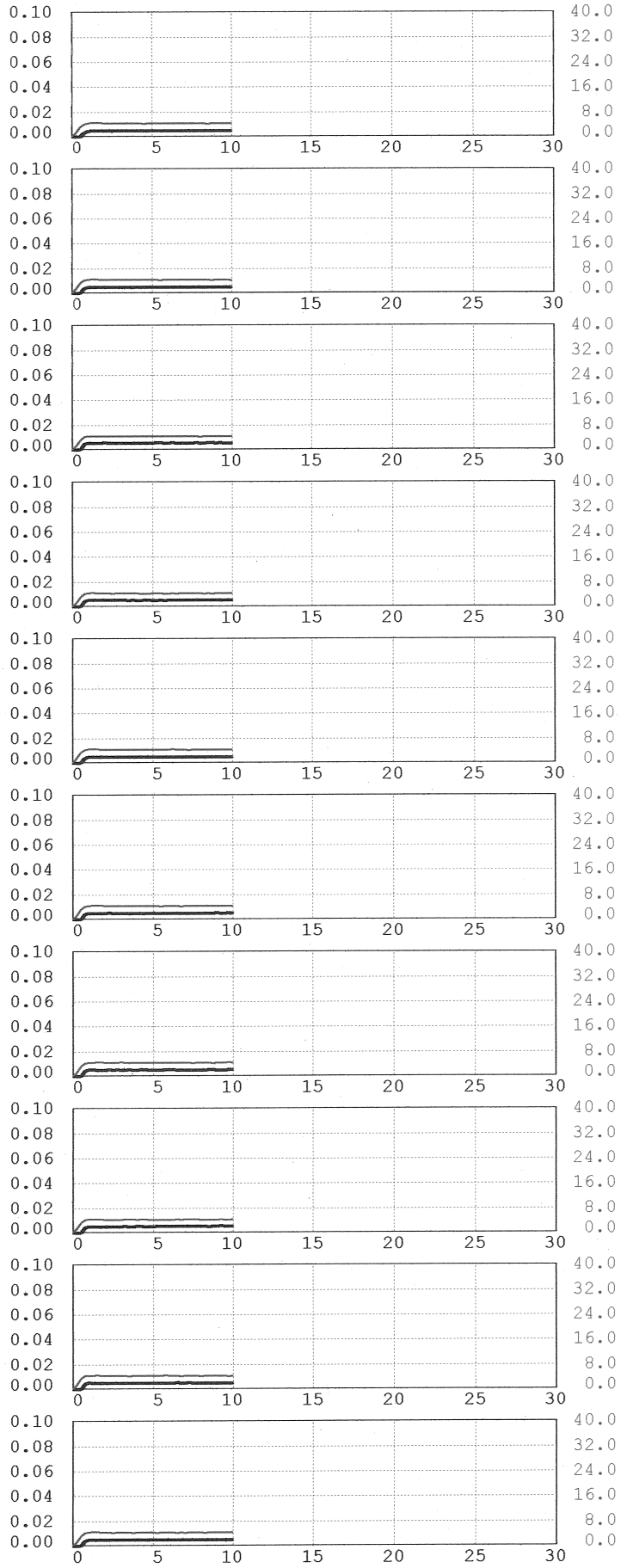
Date: 10/28/2009
Time: 14:24:25

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!



Section 6: Low Level Accuracy

ACCURACY AND PRECISION TEST

STATE OF VERMONT

DataMaster DMT: 104009

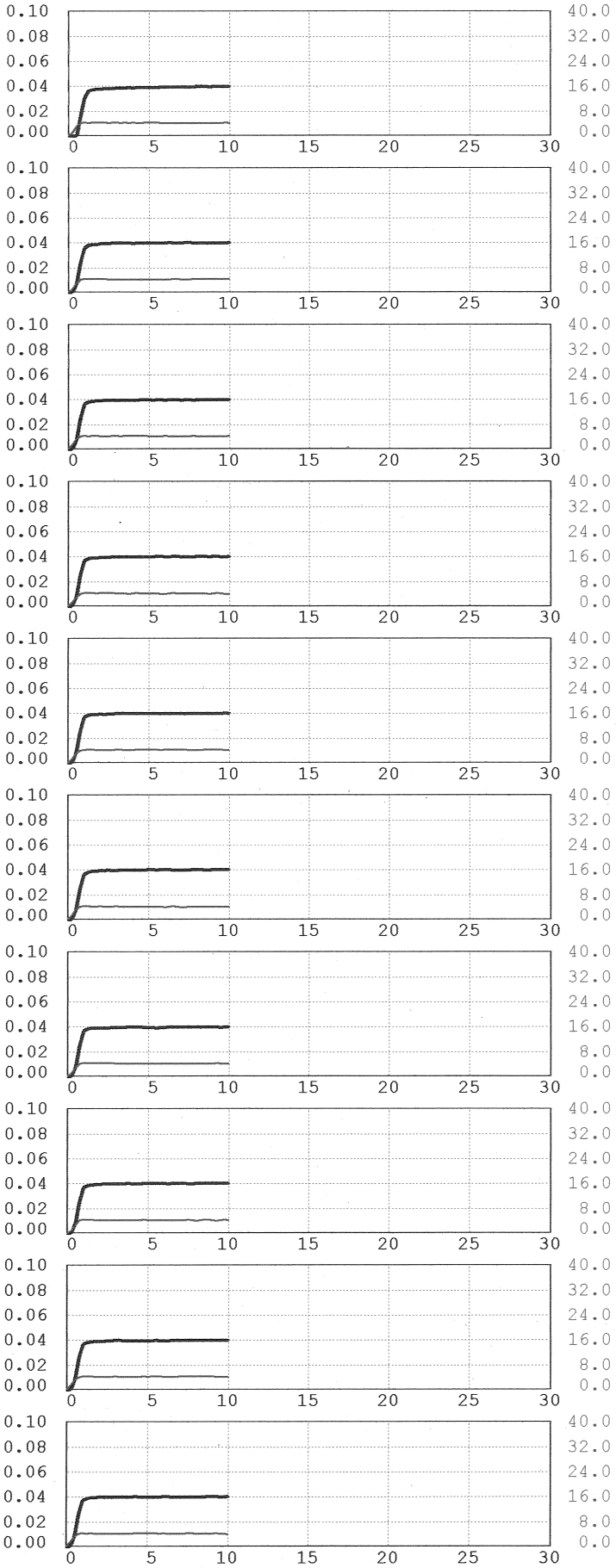
Date: 10/28/2009
Time: 13:54:56

SUPERVISOR NAME: ALB LOW LEVEL TEST

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

BLANK TEST	0.000	13:55
CALIBRATION CHECK	PASSED	13:55
SIMULATOR VAPOR	0.040	13:56
SIMULATOR VAPOR	0.040	13:57
SIMULATOR VAPOR	0.040	13:58
SIMULATOR VAPOR	0.040	13:59
SIMULATOR VAPOR	0.040	14:00
SIMULATOR VAPOR	0.040	14:01
SIMULATOR VAPOR	0.040	14:02
SIMULATOR VAPOR	0.040	14:03
SIMULATOR VAPOR	0.040	14:04
SIMULATOR VAPOR	0.040	14:05
BLANK TEST	0.000	14:05

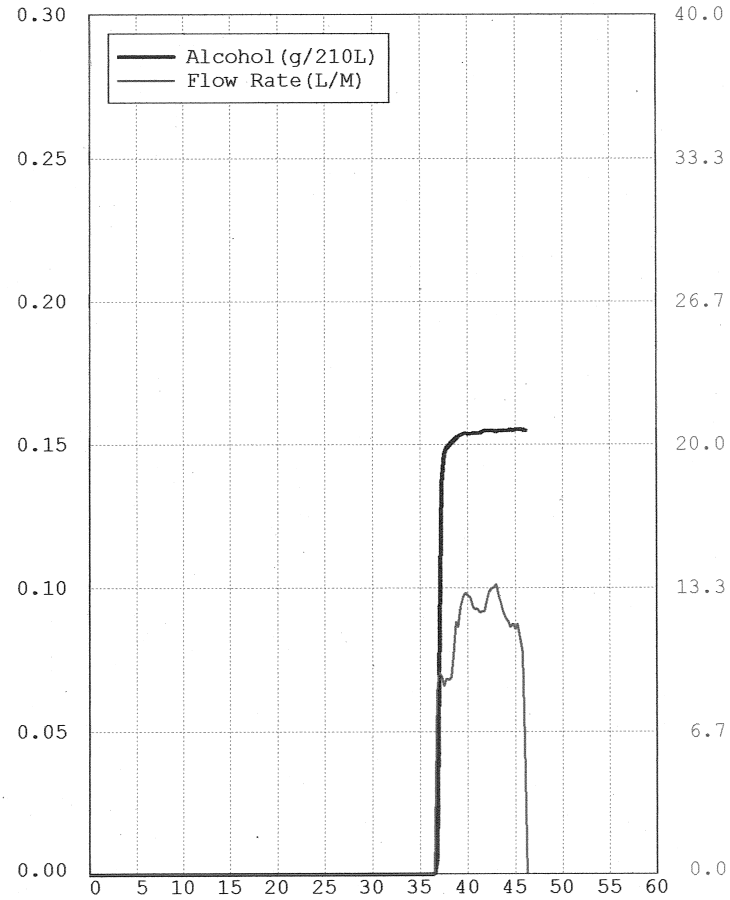
Average = 0.040
Std Dev = 0.0000



Section 7: Breath Volume

This Instrument not tested for this specification

Section 8: Software Testing



DUI Subject Test

STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 10/23/2009
Time: 10:42:12

Subject Name: TEST TEST
Date of Birth: 11/19/1977 Age: 31
Gender: F
License #: 0000000 VT

Case #: 00000
Time of Operation: 10:42
Location of Incident: VERMONT DEPT OF HEALTH
Town: BURLINGTON
County: CHITTENDEN

Test Operator Name: DARCY M RICHARDSON
Agency: VT DEPT OF HEALTH

Obs. Period Start:		10:41
BLANK TEST	0.000	10:43
CALIBRATION CHECK	PASSED	10:43
SIMULATOR VAPOR	0.098	10:43
BLANK TEST	0.000	10:44
SUBJECT SAMPLE (Vol=1.8L)	0.155	10:46

2nd TEST NOT REQUESTED

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Simulator Temp 33.9°C

DUI Subject Test

STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 10/23/2009
Time: 10:49:04

Subject Name: TEST TEST
Date of Birth: 11/19/1977 Age: 31
Gender: F
License #: 0000 VT

Case #: 0000
Time of Operation: 10:50
Location of Incident: VERMONT DEPT OF HEALTH LAB
Town: BURLINGTON
County: CHITTENDEN

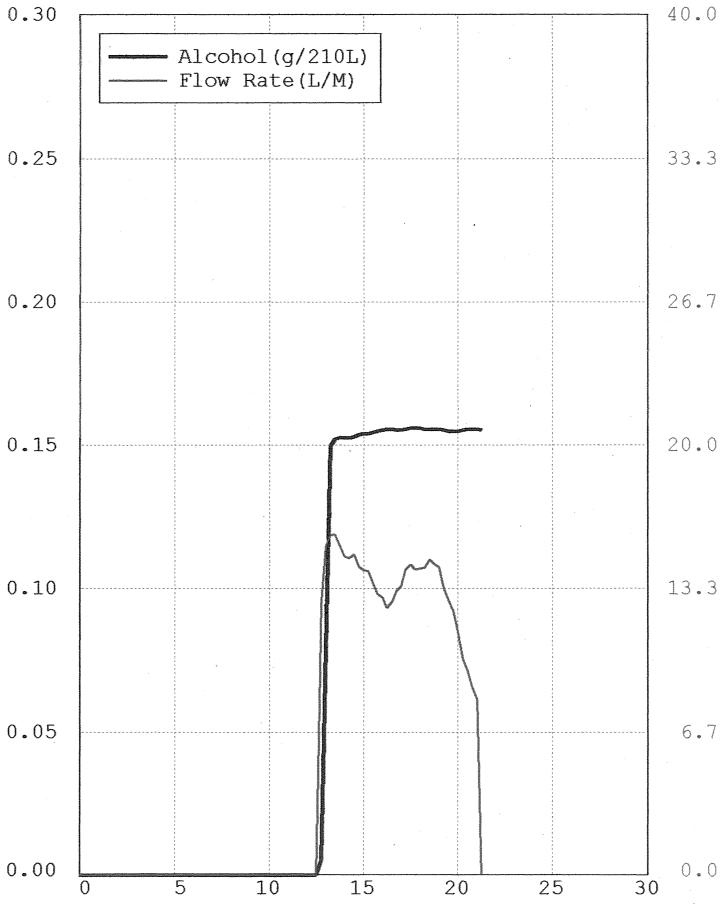
Test Operator Name: DARCY M RICHARDSON
Agency: VT DEPT OF HEALTH

Obs. Period Start: 10:48

BLANK TEST	0.000	10:50
CALIBRATION CHECK	PASSED	10:50
SIMULATOR VAPOR	0.100	10:50
BLANK TEST	0.000	10:51
SUBJECT SAMPLE	REFUSED	10:51

Subject refused.
Reason: SUBJECT SAID NO

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Simulator Temp 33.9°C



Check-In Confirmation Test

STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

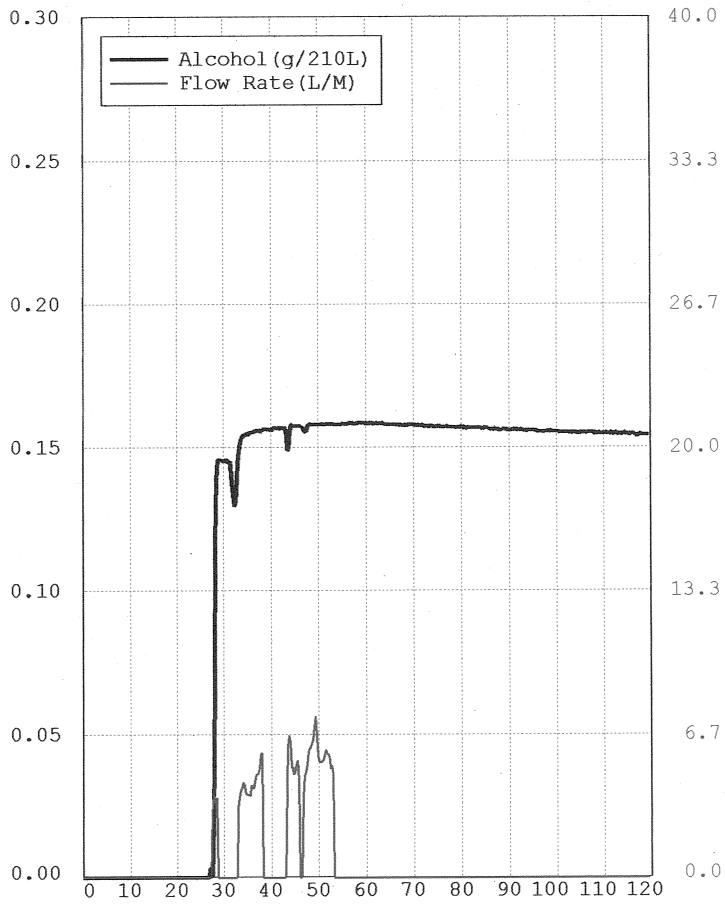
Date: 10/23/2009
Time: 11:01:10

Subject Name: TEST TEST
Date of Birth: 11/19/1977 Age: 31
Gender: F
License #: 00000 VT

Test Operator Name: DARCY M RICHARDSON
Agency: VT DEPT OF HEALTH

BLANK TEST	0.000	11:02
CALIBRATION CHECK	PASSED	11:02
SIMULATOR VAPOR	0.100	11:02
BLANK TEST	0.000	11:03
SUBJECT SAMPLE (Vol=1.8L)	0.156	11:03

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Simulator Temp 33.8°C



DUI Subject Test

STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 10/23/2009
Time: 11:06:28

Subject Name: TEST TEST
Date of Birth: 11/19/1977 Age: 31
Gender: F
License #: 0000 VT

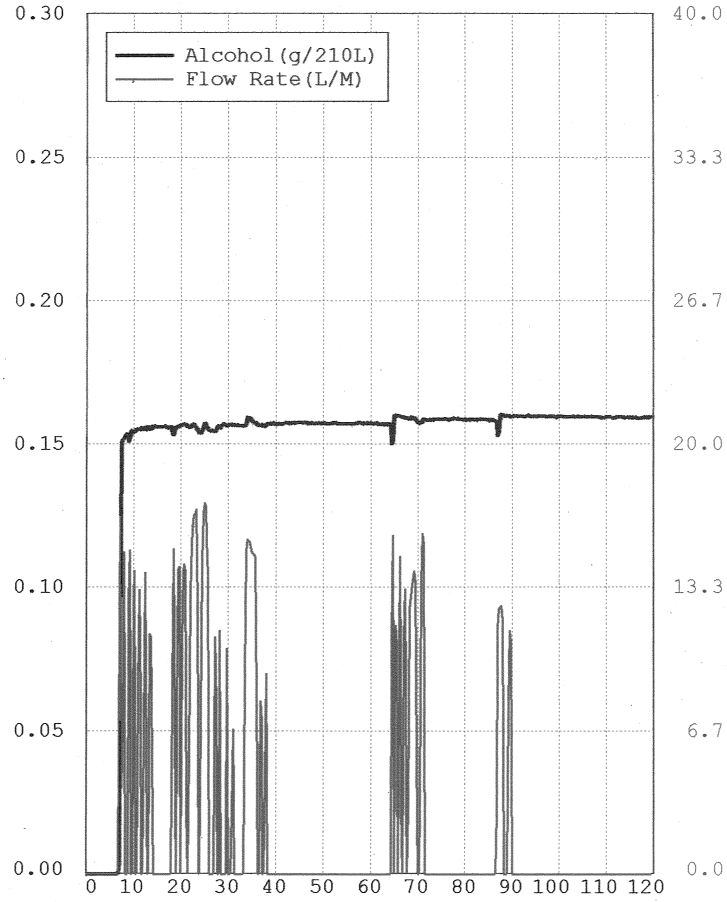
Case #: 0000
Time of Operation: 11:07
Location of Incident: DEPT OF HEALTH LAB
Town: BURLINGTON
County: CHITTENDEN

Test Operator Name: DARCY M RICHARDSON
Agency: VT DEPT OF HEALTH

Obs. Period Start:		11:06
BLANK TEST	0.000	11:07
CALIBRATION CHECK	PASSED	11:07
SIMULATOR VAPOR	0.099	11:07
BLANK TEST	0.000	11:08
SUBJECT SAMPLE	INCOMPLETE	11:10
BLANK TEST	0.000	11:11
SUBJECT SAMPLE	REFUSED	11:11

Subject incapable of providing sample.
Reason: SUBJECT CAN'T DO TEST

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Simulator Temp 33.9°C



DUI Subject Test

STATE OF VERMONT

DataMaster DMT: 104009
ADDISON COUNTY SO
Certification Date: 09/22/2009
Installation Date: 09/22/2009

Date: 10/23/2009
Time: 11:15:22

Subject Name: TEST TEST
Date of Birth: 11/19/1977 Age: 31
Gender: F
License #: 00000 VT

Case #: 0000
Time of Operation: 11:15
Location of Incident: VERMONT DEPT OF HEALTH
Town: BURLINGTON
County: CHITTENDEN

Test Operator Name: DARCY M RICHARDSON
Agency: VT DEPT OF HEALTH LAB

Obs. Period Start:		11:15
BLANK TEST	0.000	11:16
CALIBRATION CHECK	PASSED	11:16
SIMULATOR VAPOR	0.099	11:16
BLANK TEST	0.000	11:17
SUBJECT SAMPLE	INCOMPLETE	11:19
BLANK TEST	0.000	11:20
SUBJECT SAMPLE	REFUSED	11:21

Subject refused.
Reason: SUBJECT NOT COOPERATING

All alcohol values reported in g/210L
Sim. Vapor Concentration 0.100
Sim. Vapor Range 0.095 - 0.105
Simulator Temp 33.9°C

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, 104809, 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.