SECTION 3

LINEARITY TESTS

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/10/2011
Time: 13:59:14

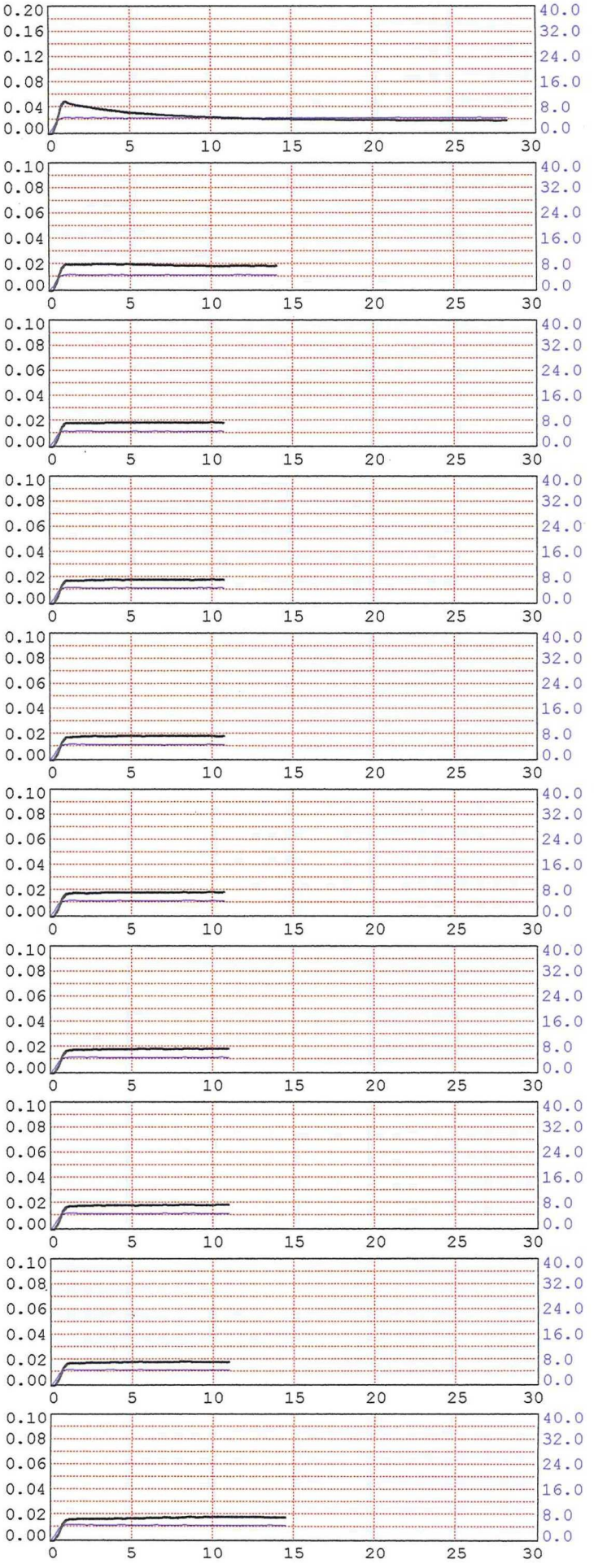
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-38-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	14:00
CALIBRATION CHECK	PASSED	14:00
SIMULATOR VAPOR 33.9°C	0.021	14:00
SIMULATOR VAPOR 33.9°C	0.020	14:01
SIMULATOR VAPOR 33.9°C	0.020	14:02
SIMULATOR VAPOR 33.9°C	0.020	14:03
SIMULATOR VAPOR 33.9°C	0.020	14:04
SIMULATOR VAPOR 33.9°C	0.020	14:05
SIMULATOR VAPOR 33.9°C	0.020	14:07
SIMULATOR VAPOR 33.9°C	0.020	14:08
SIMULATOR VAPOR 34.0°C	0.019	14:09
SIMULATOR VAPOR 33.9°C	0.019	14:10
BLANK TEST	0.000	14:10

Average = 0.019
Std Dev = 0.000

LI
KCKK
8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/10/2011
Time: 14:15:46

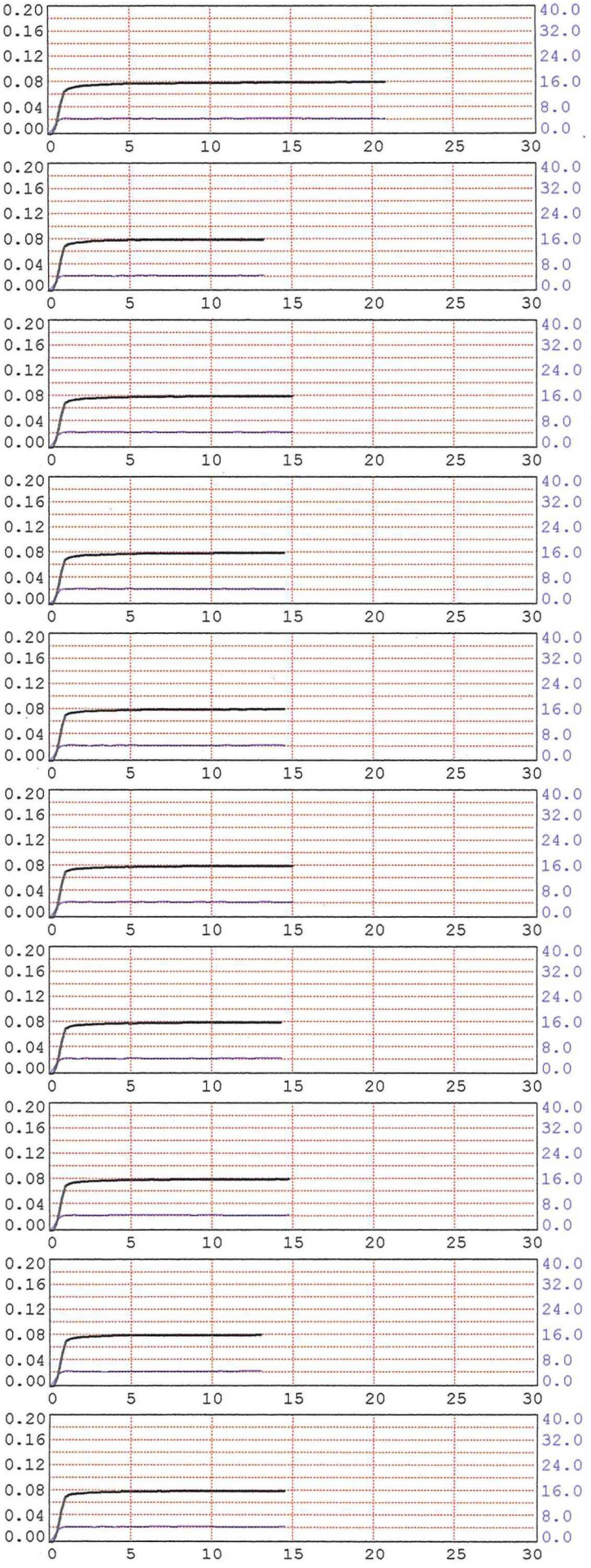
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-02-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	14:16
CALIBRATION CHECK	PASSED	14:16
SIMULATOR VAPOR 33.9°C	0.081	14:17
SIMULATOR VAPOR 33.9°C	0.081	14:18
SIMULATOR VAPOR 34.0°C	0.081	14:19
SIMULATOR VAPOR 33.9°C	0.080	14:20
SIMULATOR VAPOR 33.9°C	0.081	14:21
SIMULATOR VAPOR 33.9°C	0.081	14:22
SIMULATOR VAPOR 33.9°C	0.080	14:23
SIMULATOR VAPOR 33.9°C	0.081	14:24
SIMULATOR VAPOR 33.9°C	0.081	14:26
SIMULATOR VAPOR 34.0°C	0.081	14:27
BLANK TEST	0.000	14:27

Average = 0.080
Std Dev = 0.000

LI - 8-11-11 KLK



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/10/2011
Time: 14:40:18

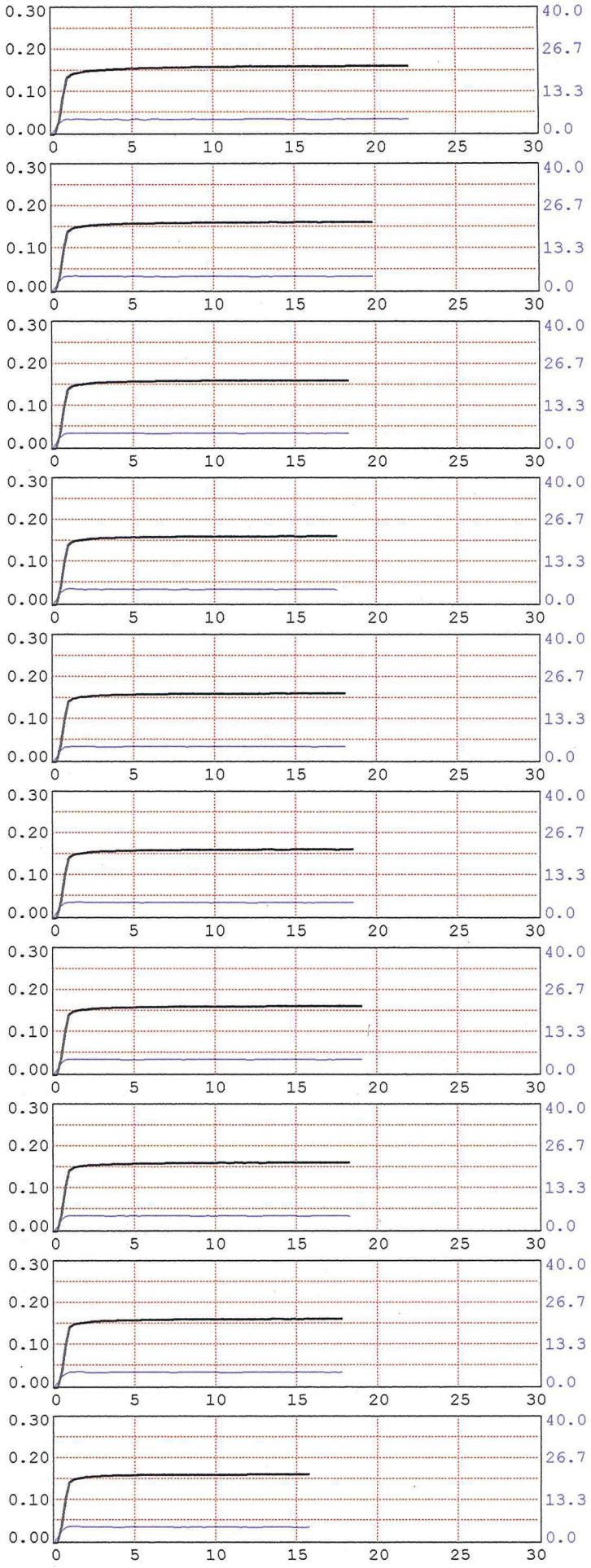
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-03-160
SOLUTION CONCENTRATION: 0.161

BLANK TEST	0.000	14:41
CALIBRATION CHECK	PASSED	14:41
SIMULATOR VAPOR 33.8°C	0.161	14:41
SIMULATOR VAPOR 33.7°C	0.162	14:43
SIMULATOR VAPOR 33.8°C	0.161	14:44
SIMULATOR VAPOR 33.8°C	0.161	14:45
SIMULATOR VAPOR 33.8°C	0.162	14:46
SIMULATOR VAPOR 33.8°C	0.162	14:47
SIMULATOR VAPOR 33.8°C	0.162	14:48
SIMULATOR VAPOR 33.8°C	0.162	14:50
SIMULATOR VAPOR 33.8°C	0.162	14:51
SIMULATOR VAPOR 33.8°C	0.162	14:52
BLANK TEST	0.000	14:53

Average = 0.161
Std Dev = 0.000

LI KMK 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/10/2011
Time: 14:59:06

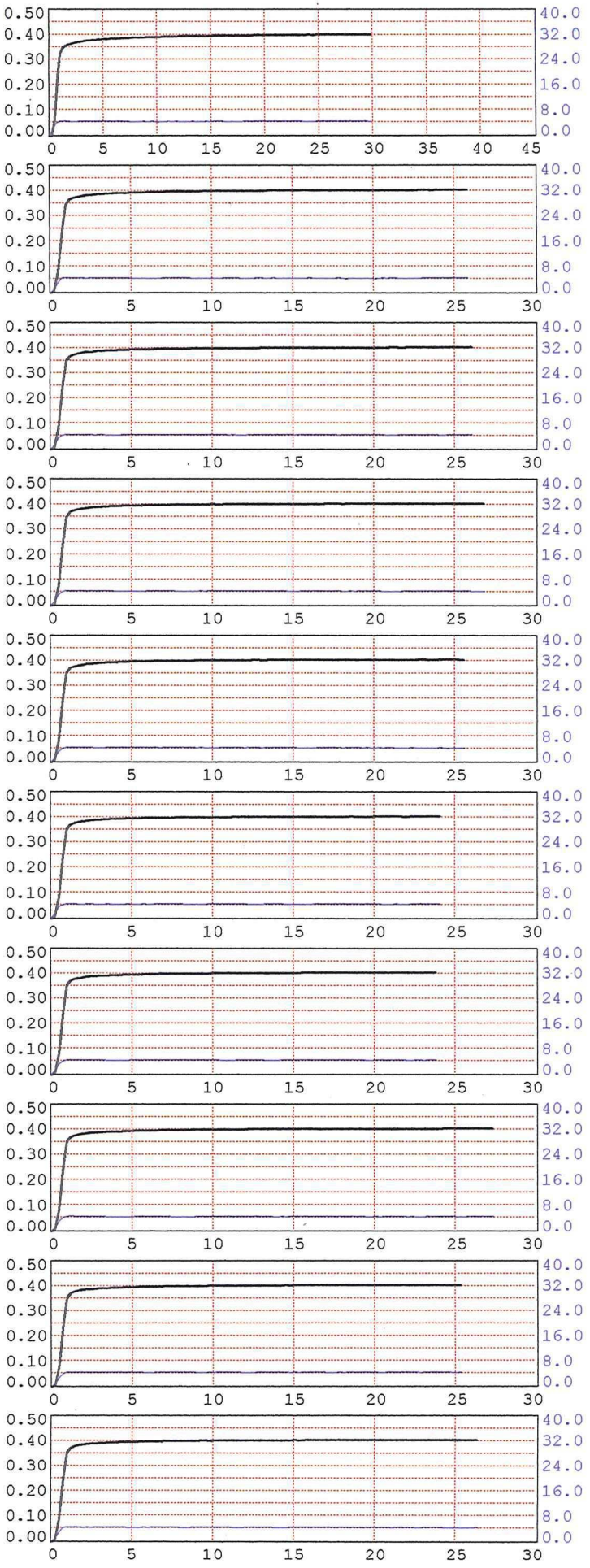
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-34-400
SOLUTION CONCENTRATION: 0.400

BLANK TEST	0.000	15:00
CALIBRATION CHECK	PASSED	15:00
SIMULATOR VAPOR 33.8°C	0.400	15:00
SIMULATOR VAPOR 33.8°C	0.402	15:02
SIMULATOR VAPOR 33.8°C	0.403	15:03
SIMULATOR VAPOR 33.8°C	0.403	15:04
SIMULATOR VAPOR 33.8°C	0.404	15:06
SIMULATOR VAPOR 33.8°C	0.402	15:07
SIMULATOR VAPOR 33.8°C	0.403	15:08
SIMULATOR VAPOR 33.8°C	0.402	15:10
SIMULATOR VAPOR 33.8°C	0.404	15:11
SIMULATOR VAPOR 33.8°C	0.403	15:12
BLANK TEST	0.000	15:13

Average = 0.402
Std Dev = 0.001

LI KLK 5-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 08:59:35

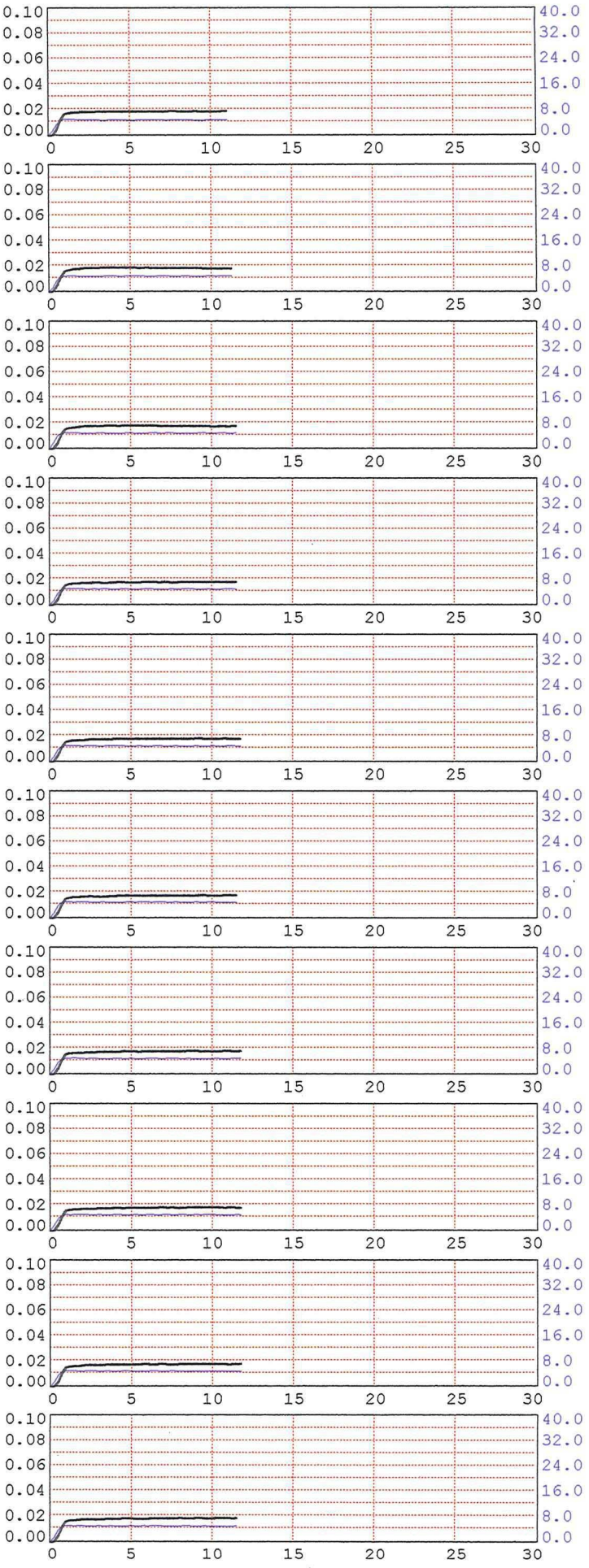
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-38-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	09:00
CALIBRATION CHECK	PASSED	09:00
SIMULATOR VAPOR 33.9°C	0.020	09:00
SIMULATOR VAPOR 33.9°C	0.020	09:01
SIMULATOR VAPOR 33.9°C	0.019	09:02
SIMULATOR VAPOR 33.9°C	0.019	09:03
SIMULATOR VAPOR 34.0°C	0.019	09:05
SIMULATOR VAPOR 34.0°C	0.019	09:06
SIMULATOR VAPOR 34.0°C	0.019	09:07
SIMULATOR VAPOR 33.9°C	0.019	09:08
SIMULATOR VAPOR 33.9°C	0.019	09:09
SIMULATOR VAPOR 33.9°C	0.019	09:10
BLANK TEST	0.000	09:11

Average = 0.019
Std Dev = 0.000

L2 KKK 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 09:24:31

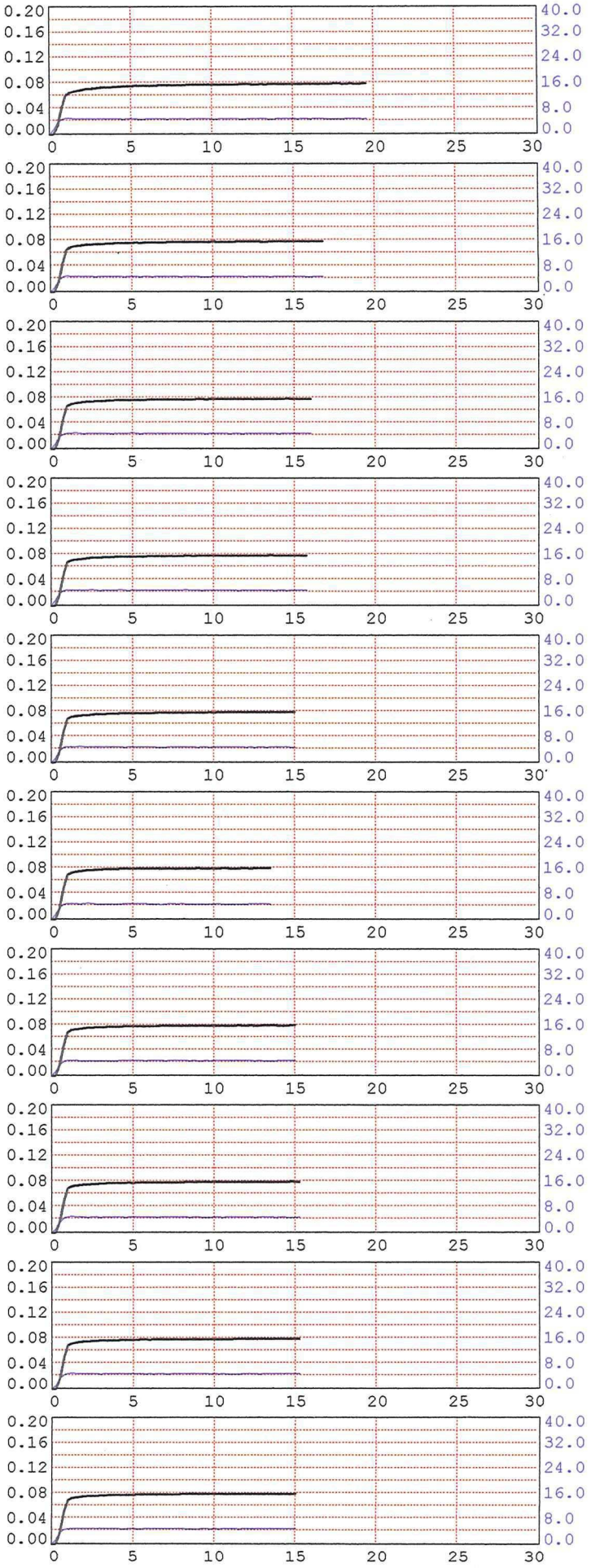
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-33-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	09:25
CALIBRATION CHECK	PASSED	09:25
SIMULATOR VAPOR 33.9°C	0.079	09:25
SIMULATOR VAPOR 33.9°C	0.079	09:27
SIMULATOR VAPOR 33.9°C	0.079	09:28
SIMULATOR VAPOR 33.9°C	0.079	09:29
SIMULATOR VAPOR 33.9°C	0.080	09:30
SIMULATOR VAPOR 33.9°C	0.080	09:31
SIMULATOR VAPOR 33.8°C	0.080	09:32
SIMULATOR VAPOR 33.9°C	0.080	09:33
SIMULATOR VAPOR 33.9°C	0.080	09:34
SIMULATOR VAPOR 33.9°C	0.080	09:36
BLANK TEST	0.000	09:36

Average = 0.079
Std Dev = 0.000

KL Kimball 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 09:43:15

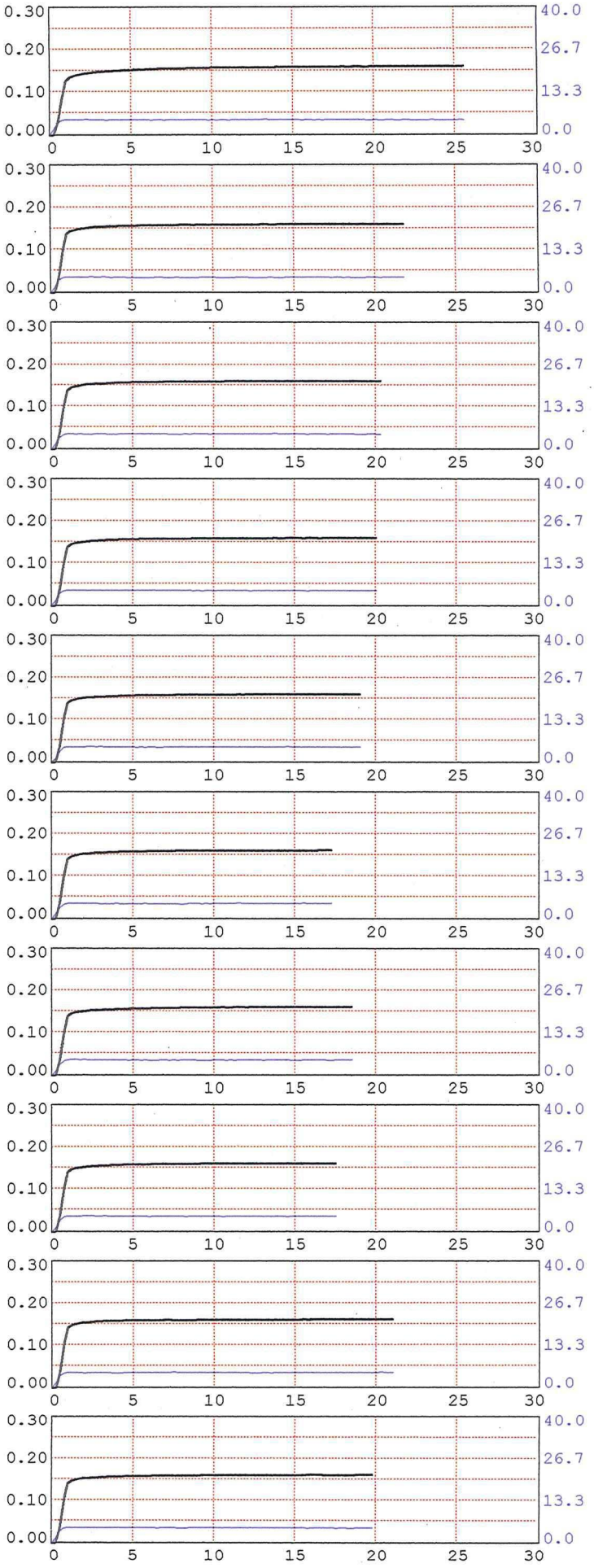
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-03-160
SOLUTION CONCENTRATION: 0.161

BLANK TEST	0.000	09:44
CALIBRATION CHECK	PASSED	09:44
SIMULATOR VAPOR 33.9°C	0.160	09:44
SIMULATOR VAPOR 33.9°C	0.161	09:46
SIMULATOR VAPOR 33.9°C	0.161	09:47
SIMULATOR VAPOR 33.9°C	0.161	09:48
SIMULATOR VAPOR 33.9°C	0.161	09:49
SIMULATOR VAPOR 33.9°C	0.161	09:50
SIMULATOR VAPOR 33.9°C	0.160	09:52
SIMULATOR VAPOR 33.9°C	0.161	09:53
SIMULATOR VAPOR 33.9°C	0.161	09:54
SIMULATOR VAPOR 33.9°C	0.161	09:55
BLANK TEST	0.000	09:56

Average = 0.160
Std Dev = 0.000

LZ ACCEPTED 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 10:40:17

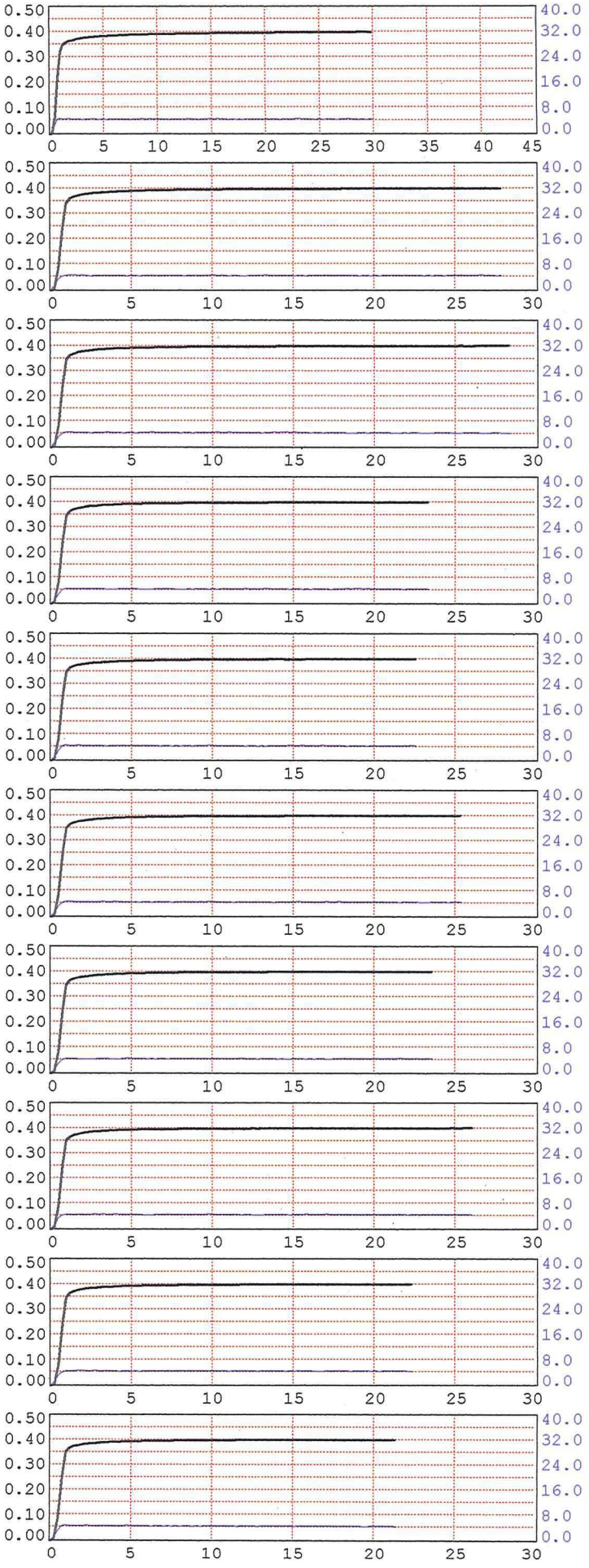
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-34-400
SOLUTION CONCENTRATION: 0.400

BLANK TEST	0.000	10:41
CALIBRATION CHECK	PASSED	10:41
SIMULATOR VAPOR 33.9°C	0.397	10:41
SIMULATOR VAPOR 33.8°C	0.399	10:43
SIMULATOR VAPOR 33.9°C	0.399	10:44
SIMULATOR VAPOR 33.8°C	0.399	10:45
SIMULATOR VAPOR 33.9°C	0.398	10:47
SIMULATOR VAPOR 33.9°C	0.399	10:48
SIMULATOR VAPOR 33.8°C	0.399	10:49
SIMULATOR VAPOR 33.8°C	0.400	10:51
SIMULATOR VAPOR 33.8°C	0.399	10:52
SIMULATOR VAPOR 33.9°C	0.399	10:53
BLANK TEST	0.000	10:54

Average = 0.398
Std Dev = 0.000

KKC L-2 8-11-11



DIAGNOSTIC RESULT

DataMaster DMT: 100170
Location:
Calibration Date: 08/10/2011
Certification Date: 08/10/2011
Installation Date:
Test Date: 08/11/2011
Test Time: 12:45:08

VERSIONS
DMT: 1.00
PIC: 2.06
Modem: 2.1
Questions: 2.0

TEMPERATURES

Sample Chamber = 49.0°C
Breath Tube = 46.1°C
Digital Sim = 34.0°C

SETTINGS
Lamp Voltage = 1.53 V
Cooler Voltage = 1.63 V
Bias Voltage = 80 V
Chopper Freq = 528 Hz

PUMP INFO
Flow Rate = 5.671 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1134	0.1167
MIN(V)	0.1116	0.1154

FILTER INFO
Filter 1 0.117 Zero = true
Filter 2 0.642 Zero = true
Filter 3 1.621 Zero = true

CALIBRATION CHECK
Xq = 0.091 1.32%

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 12:49:37

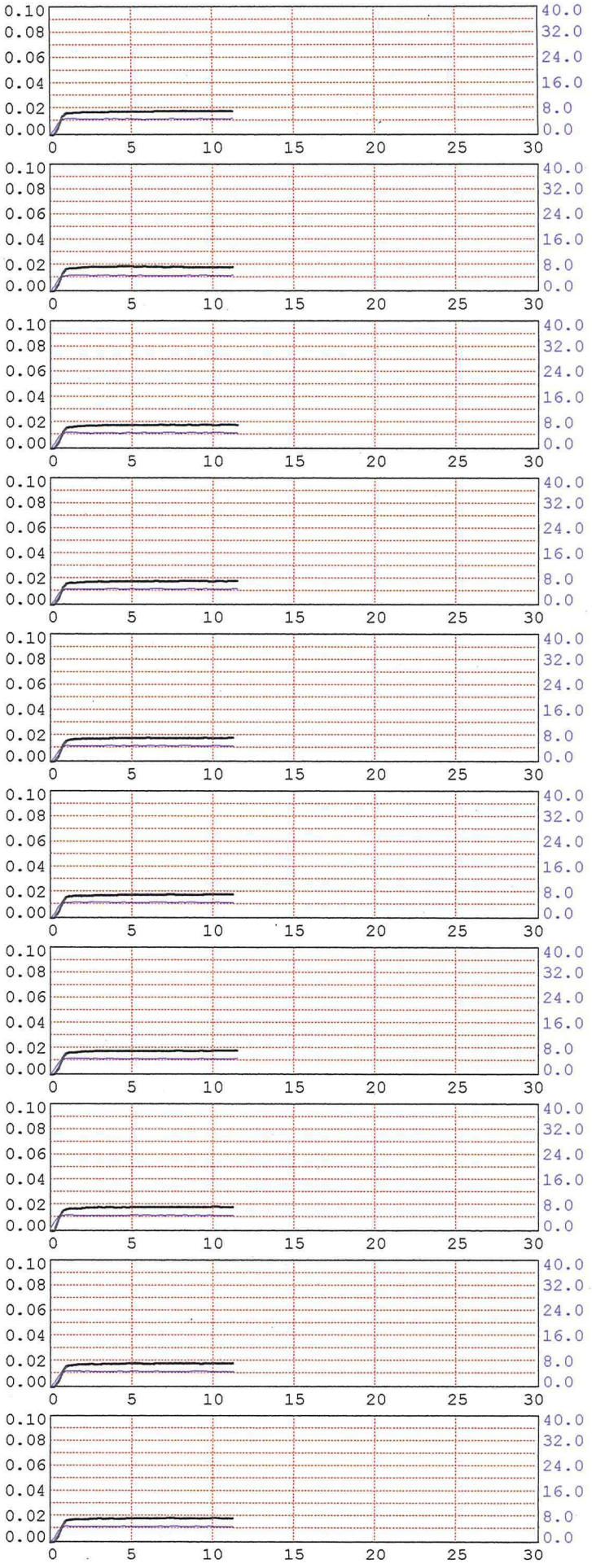
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-38-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	12:50
CALIBRATION CHECK	PASSED	12:50
SIMULATOR VAPOR 33.9°C	0.019	12:50
SIMULATOR VAPOR 34.0°C	0.020	12:51
SIMULATOR VAPOR 34.0°C	0.020	12:52
SIMULATOR VAPOR 34.0°C	0.020	12:54
SIMULATOR VAPOR 34.0°C	0.019	12:55
SIMULATOR VAPOR 34.0°C	0.020	12:56
SIMULATOR VAPOR 33.9°C	0.020	12:57
SIMULATOR VAPOR 33.9°C	0.020	12:58
SIMULATOR VAPOR 34.0°C	0.020	12:59
SIMULATOR VAPOR 34.0°C	0.020	13:00
BLANK TEST	0.000	13:01

Average = 0.019
Std Dev = 0.000

L3 KLK 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 13:05:44

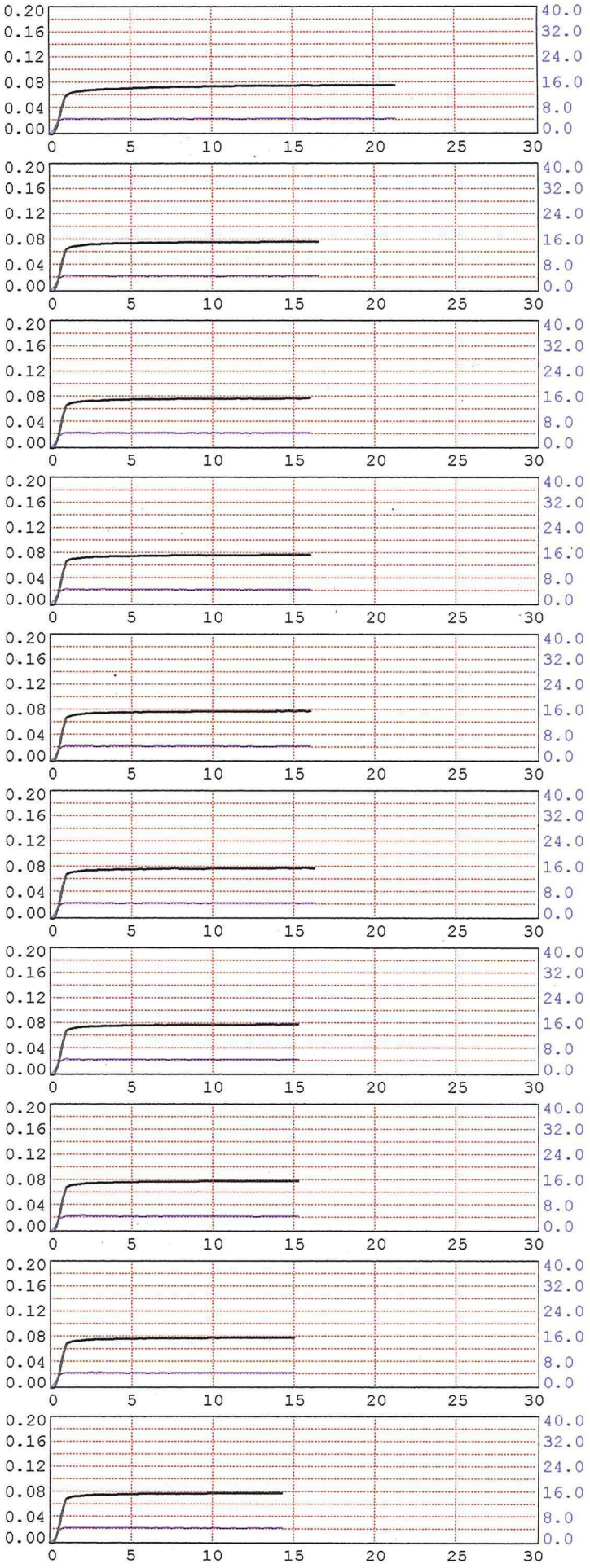
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-33-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	13:06
CALIBRATION CHECK	PASSED	13:06
SIMULATOR VAPOR 33.9°C	0.078	13:07
SIMULATOR VAPOR 33.8°C	0.078	13:08
SIMULATOR VAPOR 33.8°C	0.079	13:09
SIMULATOR VAPOR 33.8°C	0.079	13:10
SIMULATOR VAPOR 33.9°C	0.079	13:11
SIMULATOR VAPOR 33.9°C	0.079	13:12
SIMULATOR VAPOR 33.9°C	0.079	13:13
SIMULATOR VAPOR 33.9°C	0.080	13:15
SIMULATOR VAPOR 33.9°C	0.080	13:16
SIMULATOR VAPOR 33.9°C	0.080	13:17
BLANK TEST	0.000	13:18

Average = 0.079
Std Dev = 0.000

L3 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 13:59:20

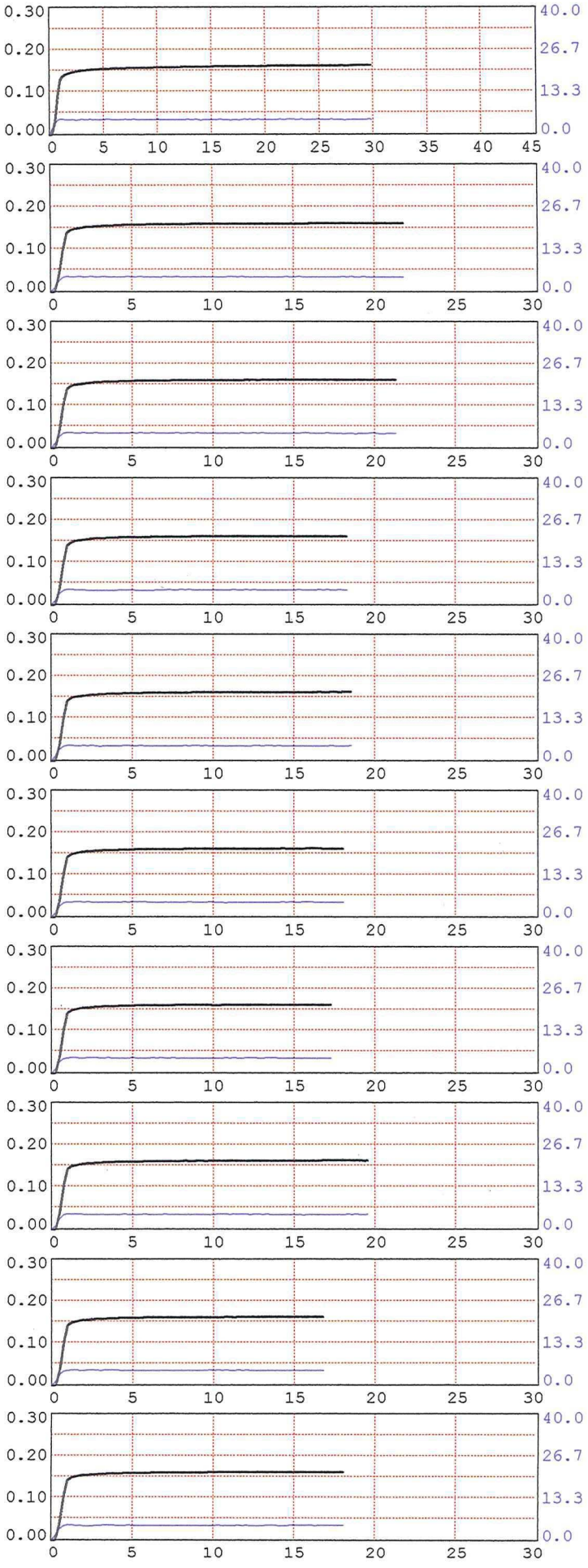
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-03-160
SOLUTION CONCENTRATION: 0.161

BLANK TEST	0.000	14:00
CALIBRATION CHECK	PASSED	14:00
SIMULATOR VAPOR 33.9°C	0.163	14:00
SIMULATOR VAPOR 33.9°C	0.162	14:02
SIMULATOR VAPOR 33.8°C	0.162	14:03
SIMULATOR VAPOR 33.9°C	0.163	14:04
SIMULATOR VAPOR 33.9°C	0.163	14:05
SIMULATOR VAPOR 33.8°C	0.163	14:06
SIMULATOR VAPOR 33.8°C	0.163	14:08
SIMULATOR VAPOR 33.9°C	0.163	14:09
SIMULATOR VAPOR 33.8°C	0.162	14:10
SIMULATOR VAPOR 33.9°C	0.162	14:11
BLANK TEST	0.000	14:12

Average = 0.162
Std Dev = 0.000

L3 [illegible] 8-11-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/11/2011
Time: 14:23:52

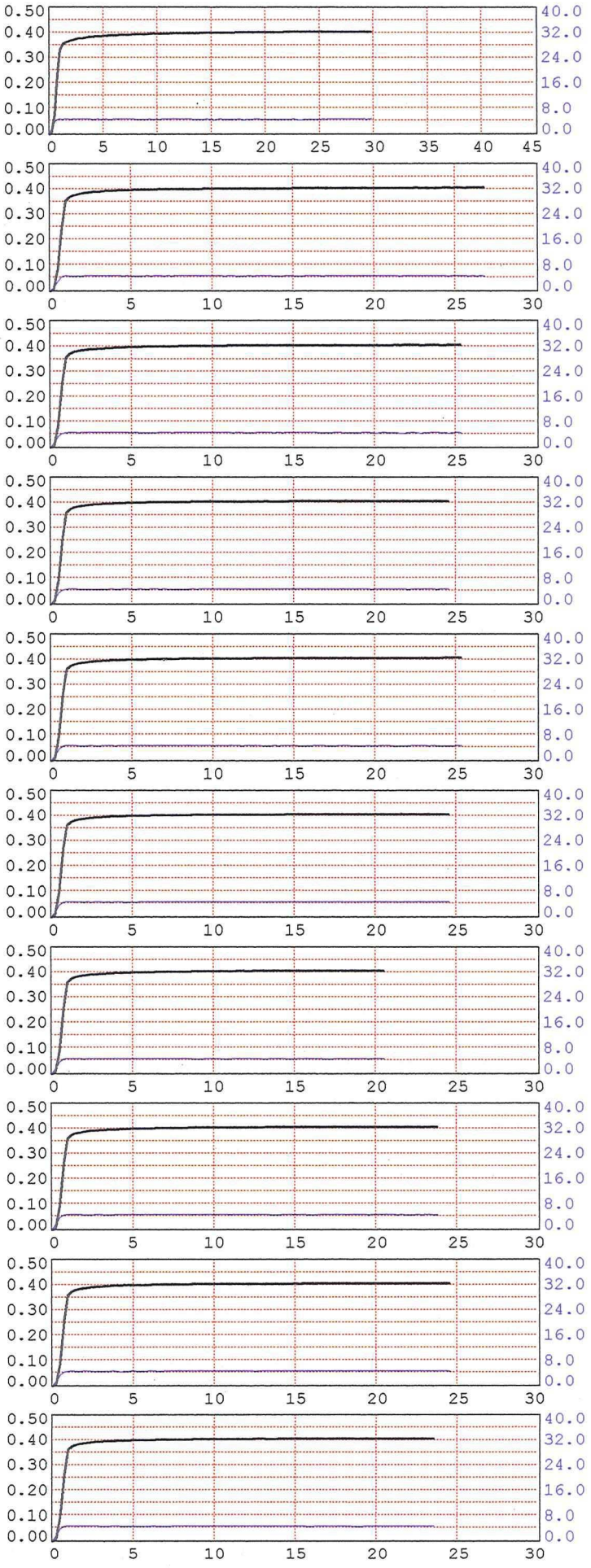
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-34-400
SOLUTION CONCENTRATION: 0.400

BLANK TEST	0.000	14:24
CALIBRATION CHECK	PASSED	14:24
SIMULATOR VAPOR 33.6°C	0.403	14:25
SIMULATOR VAPOR 33.7°C	0.403	14:26
SIMULATOR VAPOR 33.7°C	0.403	14:28
SIMULATOR VAPOR 33.7°C	0.405	14:29
SIMULATOR VAPOR 33.7°C	0.405	14:30
SIMULATOR VAPOR 33.7°C	0.404	14:32
SIMULATOR VAPOR 33.7°C	0.404	14:33
SIMULATOR VAPOR 33.7°C	0.405	14:34
SIMULATOR VAPOR 33.7°C	0.404	14:35
SIMULATOR VAPOR 33.7°C	0.405	14:37
BLANK TEST	0.000	14:38

Average = 0.404
Std Dev = 0.000

L3 8-11-11



DIAGNOSTIC RESULT

DataMaster DMT: 100170
Location:
Calibration Date: 08/10/2011
Certification Date: 08/10/2011
Installation Date:
Test Date: 08/11/2011
Test Time: 14:48:40

VERSIONS
DMT: 1.00
PIC: 2.06
Modem: 2.1
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 45.7°C
Digital Sim = 0.0°C

SETTINGS
Lamp Voltage = 1.53 V
Cooler Voltage = 1.63 V
Bias Voltage = 80 V
Chopper Freq = 529 Hz

PUMP INFO
Flow Rate = 5.653 L/M

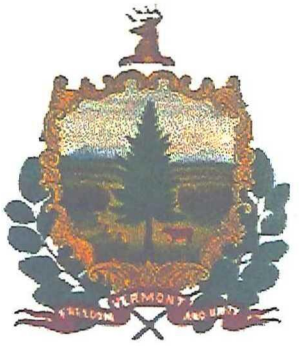
DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1382	0.1394
MIN(V)	0.1344	0.1372

FILTER INFO
Filter 1 0.138 Zero = true
Filter 2 0.663 Zero = true
Filter 3 1.647 Zero = true

CALIBRATION CHECK
Xq = 0.092 0.38%

DIAGNOSTIC RESULT



DataMaster DMT: 100170
Location:
Calibration Date: 08/10/2011
Certification Date: 08/10/2011
Installation Date:
Test Date: 08/12/2011
Test Time: 07:50:30

```
VERSIONS
DMT: 1.00
PIC: 2.06
Modem: 2.1
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube    = 45.7°C
Digital Sim    = 0.0°C

SETTINGS
Lamp Voltage   = 1.53 V
Cooler Voltage = 1.63 V
Bias Voltage   = 80 V
Chopper Freq   = 528 Hz

PUMP INFO
Flow Rate = 5.693 L/M

DETECTOR INFO
PUMP     ON         OFF
MAX(V)    0.1083     0.1104
MIN(V)    0.1043     0.1085

FILTER INFO
Filter 1   0.109  Zero = true
Filter 2   0.635  Zero = true
Filter 3   1.612  Zero = true

CALIBRATION CHECK
Xq  = 0.092  0.38%
```

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/12/2011
Time: 13:52:03

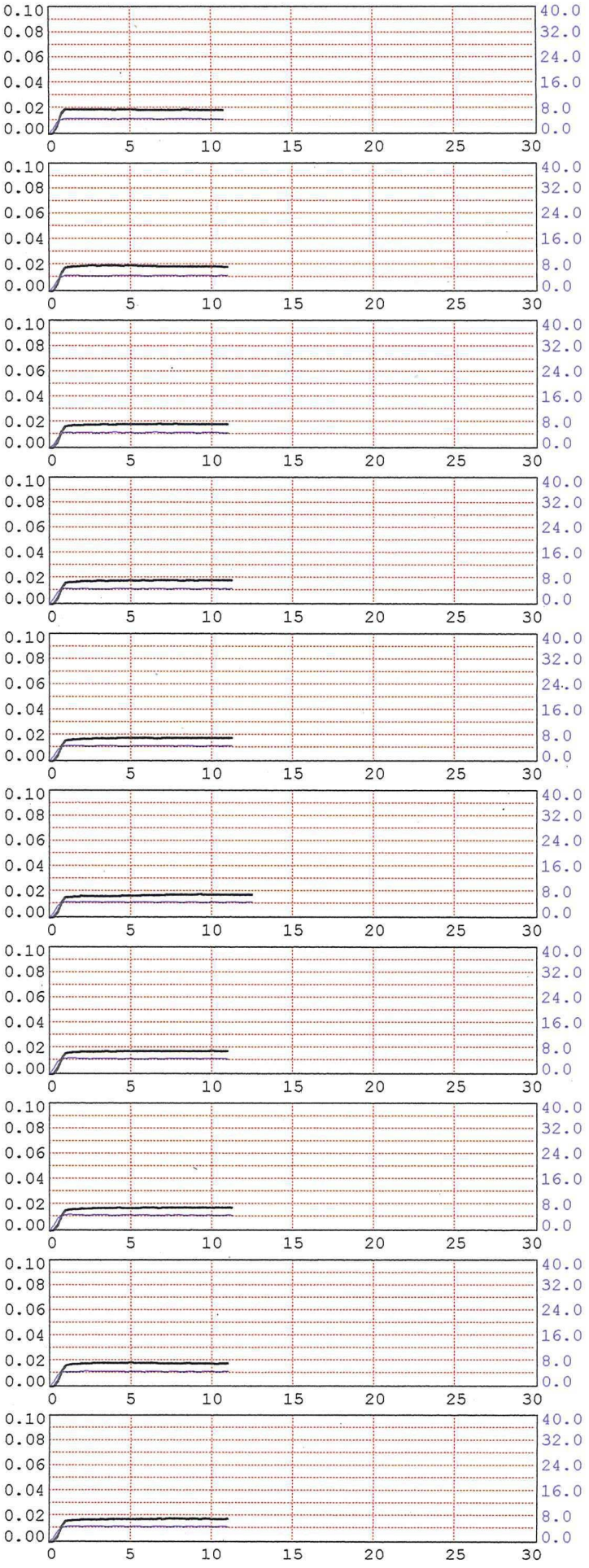
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-38-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	13:52
CALIBRATION CHECK	PASSED	13:53
SIMULATOR VAPOR 34.2°C	0.020	13:53
SIMULATOR VAPOR 34.2°C	0.020	13:54
SIMULATOR VAPOR 34.4°C	0.020	13:55
SIMULATOR VAPOR 34.2°C	0.020	13:56
SIMULATOR VAPOR 34.2°C	0.020	13:57
SIMULATOR VAPOR 34.4°C	0.019	13:58
SIMULATOR VAPOR 34.2°C	0.019	13:59
SIMULATOR VAPOR 34.2°C	0.019	14:00
SIMULATOR VAPOR 34.2°C	0.019	14:01
SIMULATOR VAPOR 34.2°C	0.019	14:02
BLANK TEST	0.000	14:03

Average = 0.019
Std Dev = 0.000

LY 8/12-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/12/2011
Time: 14:14:50

SUPERVISOR NAME:
KIRK L KIMBALL

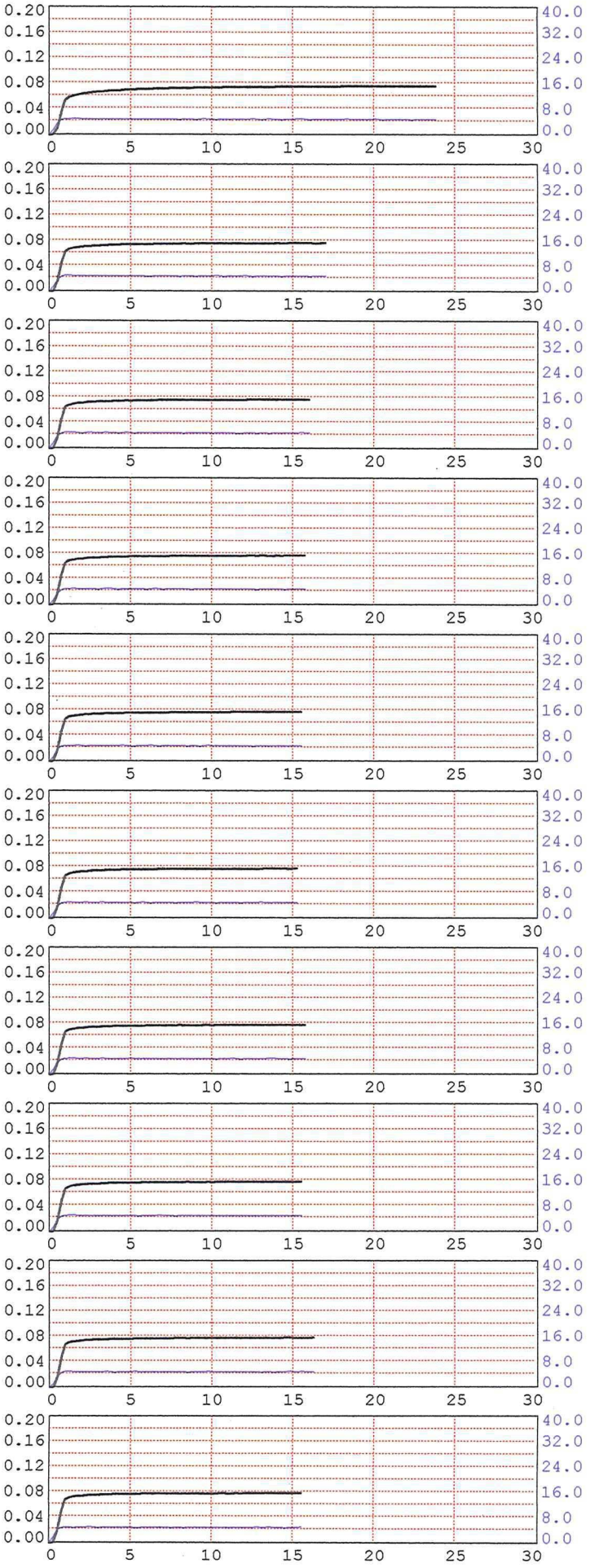
SOLUTION LOT #: 11-33-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	14:15
CALIBRATION CHECK	PASSED	14:15
SIMULATOR VAPOR 34.4°C	0.077	14:16
SIMULATOR VAPOR 34.2°C	0.077	14:17
SIMULATOR VAPOR 34.2°C	0.077	14:18
SIMULATOR VAPOR 34.2°C	0.078	14:19
SIMULATOR VAPOR 34.2°C	0.078	14:20
SIMULATOR VAPOR 34.2°C	0.078	14:21
SIMULATOR VAPOR 34.4°C	0.078	14:23
SIMULATOR VAPOR 34.4°C	0.078	14:24
SIMULATOR VAPOR 34.2°C	0.079	14:25
SIMULATOR VAPOR 34.2°C	0.079	14:26
BLANK TEST	0.000	14:27

Average = 0.077
Std Dev = 0.000

L4- KLK 8-12-11

Not used KLK
Ran twice used 2nd run. different lot KLK 8-12-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 123106

Date: 08/12/2011
Time: 14:23:44

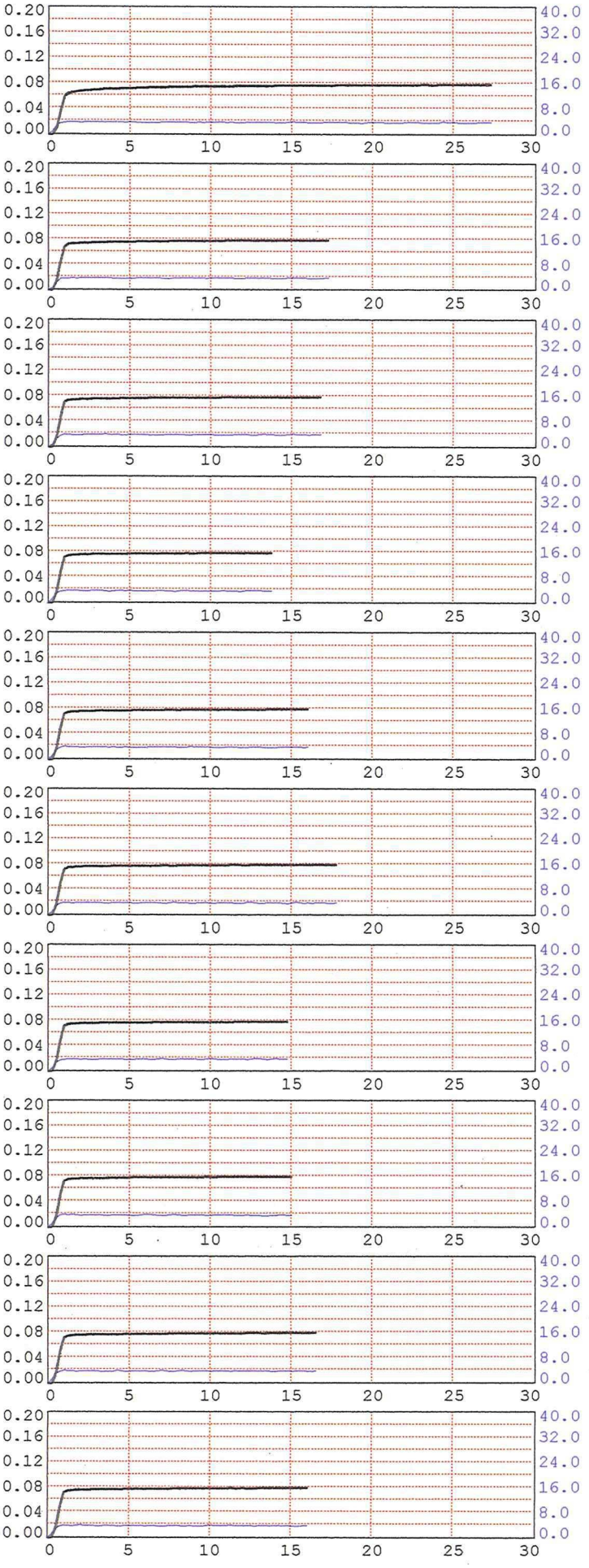
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-02-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	14:24
CALIBRATION CHECK	PASSED	14:24
SIMULATOR VAPOR 34.2°C	0.079	14:25
SIMULATOR VAPOR 34.2°C	0.079	14:26
SIMULATOR VAPOR 34.2°C	0.079	14:27
SIMULATOR VAPOR 34.2°C	0.079	14:28
SIMULATOR VAPOR 34.2°C	0.079	14:29
SIMULATOR VAPOR 34.1°C	0.080	14:30
SIMULATOR VAPOR 34.2°C	0.079	14:32
SIMULATOR VAPOR 34.2°C	0.080	14:33
SIMULATOR VAPOR 34.2°C	0.080	14:34
SIMULATOR VAPOR 34.2°C	0.080	14:35
BLANK TEST	0.000	14:36

Average = 0.079
Std Dev = 0.000

LH 8-12-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/12/2011
Time: 14:41:30

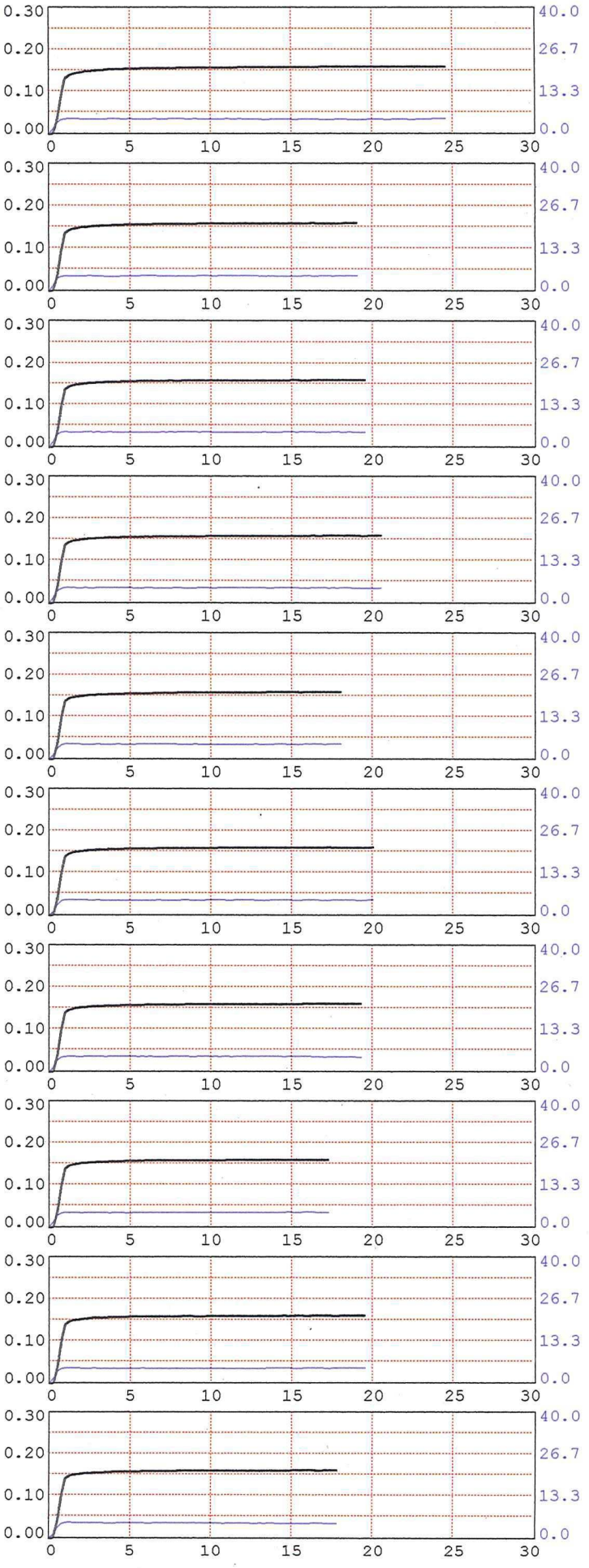
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-03-160
SOLUTION CONCENTRATION: 0.161

BLANK TEST	0.000	14:42
CALIBRATION CHECK	PASSED	14:42
SIMULATOR VAPOR 34.4°C	0.160	14:43
SIMULATOR VAPOR 34.4°C	0.159	14:44
SIMULATOR VAPOR 34.4°C	0.159	14:45
SIMULATOR VAPOR 34.2°C	0.159	14:46
SIMULATOR VAPOR 34.4°C	0.159	14:47
SIMULATOR VAPOR 34.2°C	0.160	14:49
SIMULATOR VAPOR 34.2°C	0.161	14:50
SIMULATOR VAPOR 34.2°C	0.159	14:51
SIMULATOR VAPOR 34.2°C	0.160	14:52
SIMULATOR VAPOR 34.2°C	0.160	14:53
BLANK TEST	0.000	14:54

Average = 0.159
Std Dev = 0.000

LK 8-12-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/12/2011
Time: 15:00:29

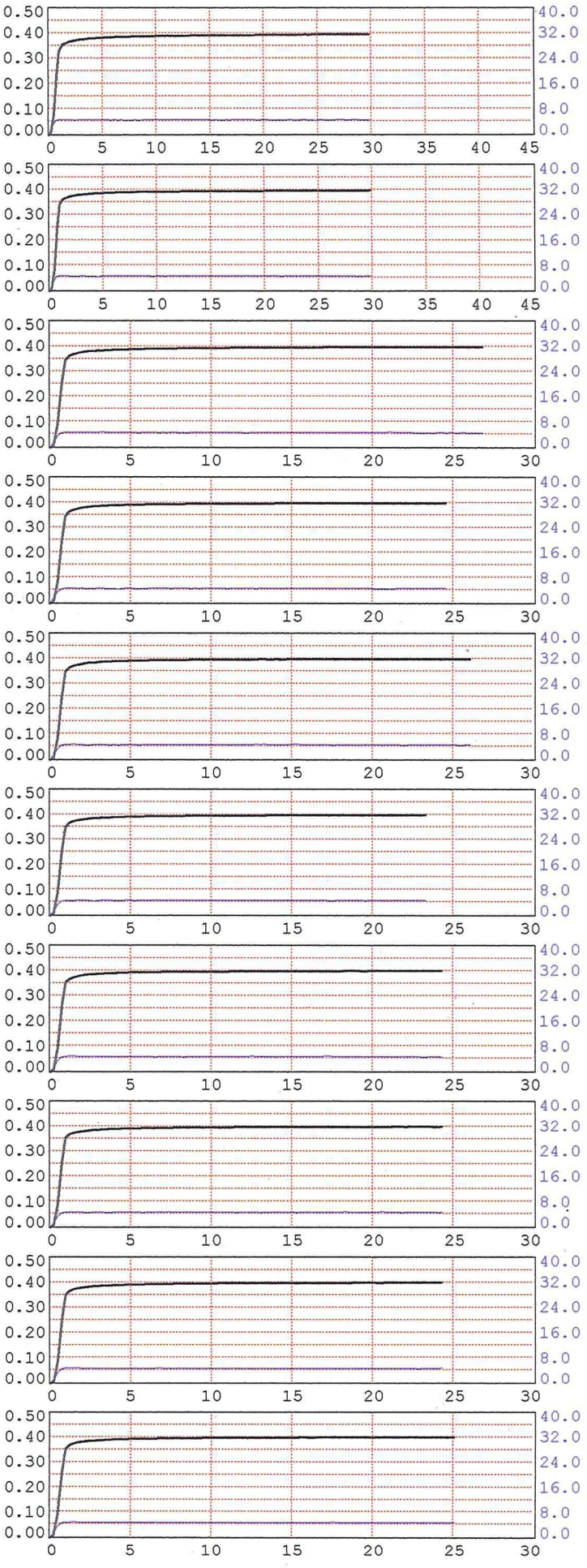
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-34-400
SOLUTION CONCENTRATION: 0.400

BLANK TEST	0.000	15:01
CALIBRATION CHECK	PASSED	15:01
SIMULATOR VAPOR 34.4°C	0.394	15:02
SIMULATOR VAPOR 34.2°C	0.395	15:03
SIMULATOR VAPOR 34.2°C	0.396	15:04
SIMULATOR VAPOR 34.4°C	0.396	15:06
SIMULATOR VAPOR 34.2°C	0.396	15:07
SIMULATOR VAPOR 34.2°C	0.396	15:08
SIMULATOR VAPOR 34.2°C	0.397	15:10
SIMULATOR VAPOR 34.1°C	0.397	15:11
SIMULATOR VAPOR 34.4°C	0.397	15:12
SIMULATOR VAPOR 34.4°C	0.398	15:14
BLANK TEST	0.000	15:14

Average = 0.396
Std Dev = 0.001

LK KLK 8-12-11



DIAGNOSTIC RESULT

DataMaster DMT: 100170
Location:
Calibration Date: 08/10/2011
Certification Date: 08/10/2011
Installation Date:
Test Date: 08/15/2011
Test Time: 07:56:49

VERSIONS
DMT: 1.00
PIC: 2.06
Modem: 2.1
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 45.7°C
Digital Sim = 0.0°C

SETTINGS
Lamp Voltage = 1.53 V
Cooler Voltage = 1.64 V
Bias Voltage = 80 V
Chopper Freq = 531 Hz

PUMP INFO
Flow Rate = 5.639 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1122	0.1161
MIN(V)	0.1106	0.1144

FILTER INFO
Filter 1 0.116 Zero = true
Filter 2 0.641 Zero = true
Filter 3 1.614 Zero = true

CALIBRATION CHECK
Xq = 0.093 0.57%

ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/15/2011
Time: 08:11:44

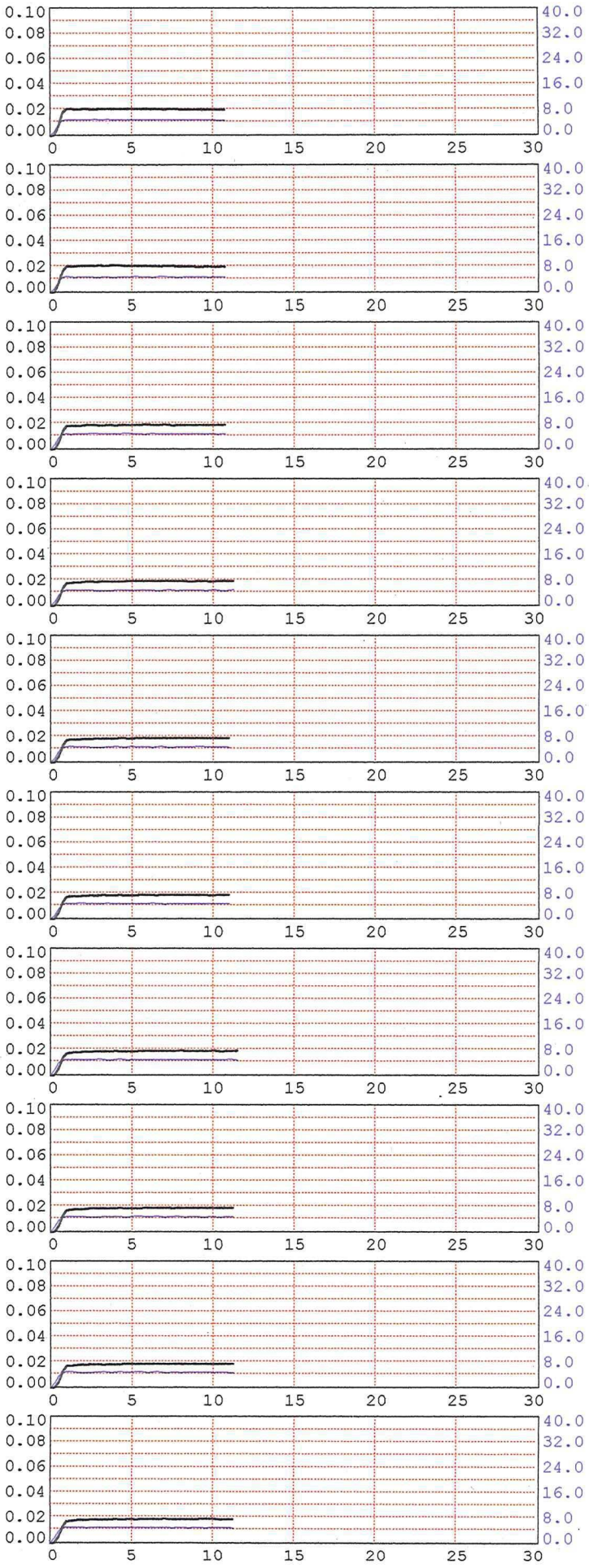
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-38-020
SOLUTION CONCENTRATION: 0.020

BLANK TEST	0.000	08:12
CALIBRATION CHECK	PASSED	08:12
SIMULATOR VAPOR 33.9°C	0.022	08:13
SIMULATOR VAPOR 33.9°C	0.021	08:14
SIMULATOR VAPOR 34.0°C	0.020	08:15
SIMULATOR VAPOR 34.0°C	0.021	08:16
SIMULATOR VAPOR 33.9°C	0.020	08:17
SIMULATOR VAPOR 34.0°C	0.021	08:18
SIMULATOR VAPOR 34.0°C	0.020	08:19
SIMULATOR VAPOR 34.0°C	0.020	08:20
SIMULATOR VAPOR 34.0°C	0.020	08:21
SIMULATOR VAPOR 34.0°C	0.020	08:22
BLANK TEST	0.000	08:23

Average = 0.020
Std Dev = 0.000

LS KKK 8-15-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/15/2011
Time: 08:27:54

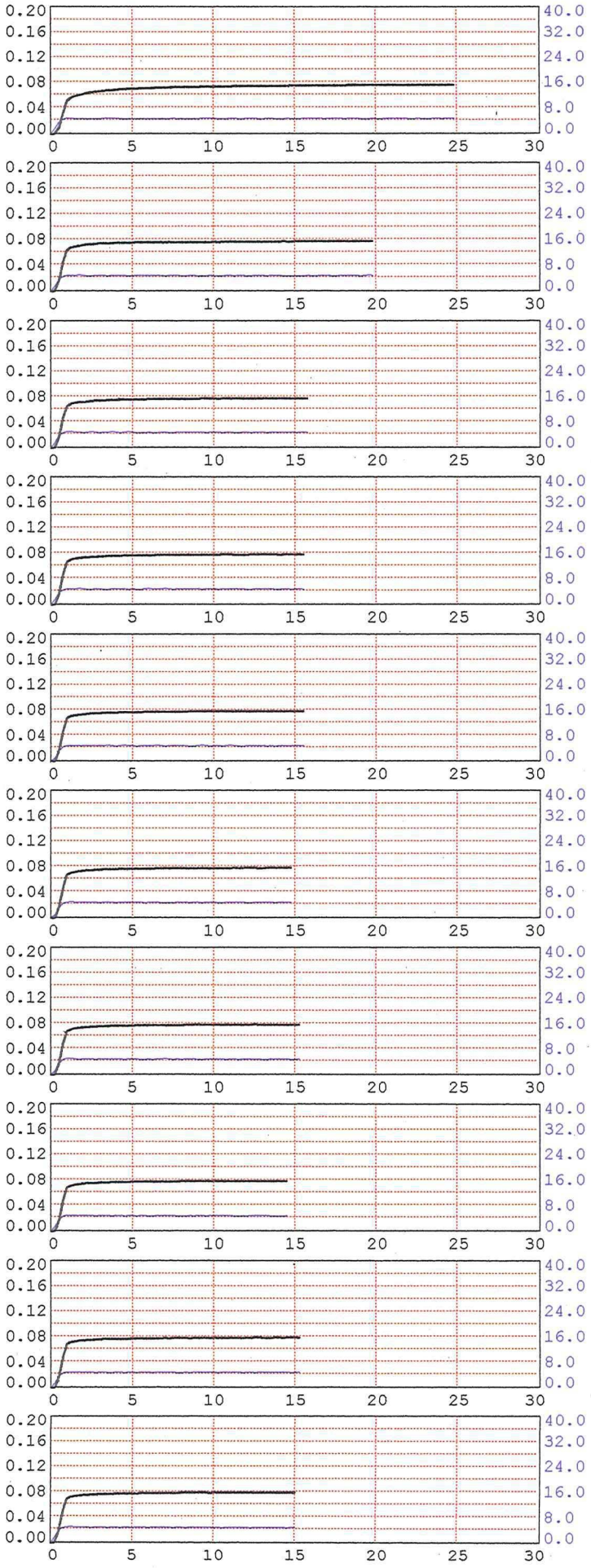
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-20-080
SOLUTION CONCENTRATION: 0.080

BLANK TEST	0.000	08:28
CALIBRATION CHECK	PASSED	08:28
SIMULATOR VAPOR 34.0°C	0.077	08:29
SIMULATOR VAPOR 33.9°C	0.078	08:30
SIMULATOR VAPOR 34.0°C	0.078	08:31
SIMULATOR VAPOR 33.9°C	0.079	08:32
SIMULATOR VAPOR 34.0°C	0.079	08:33
SIMULATOR VAPOR 33.9°C	0.079	08:35
SIMULATOR VAPOR 33.8°C	0.079	08:36
SIMULATOR VAPOR 34.0°C	0.079	08:37
SIMULATOR VAPOR 34.0°C	0.079	08:38
SIMULATOR VAPOR 34.0°C	0.080	08:39
BLANK TEST	0.000	08:40

Average = 0.078
Std Dev = 0.000

LS
8-15-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/15/2011
Time: 08:46:43

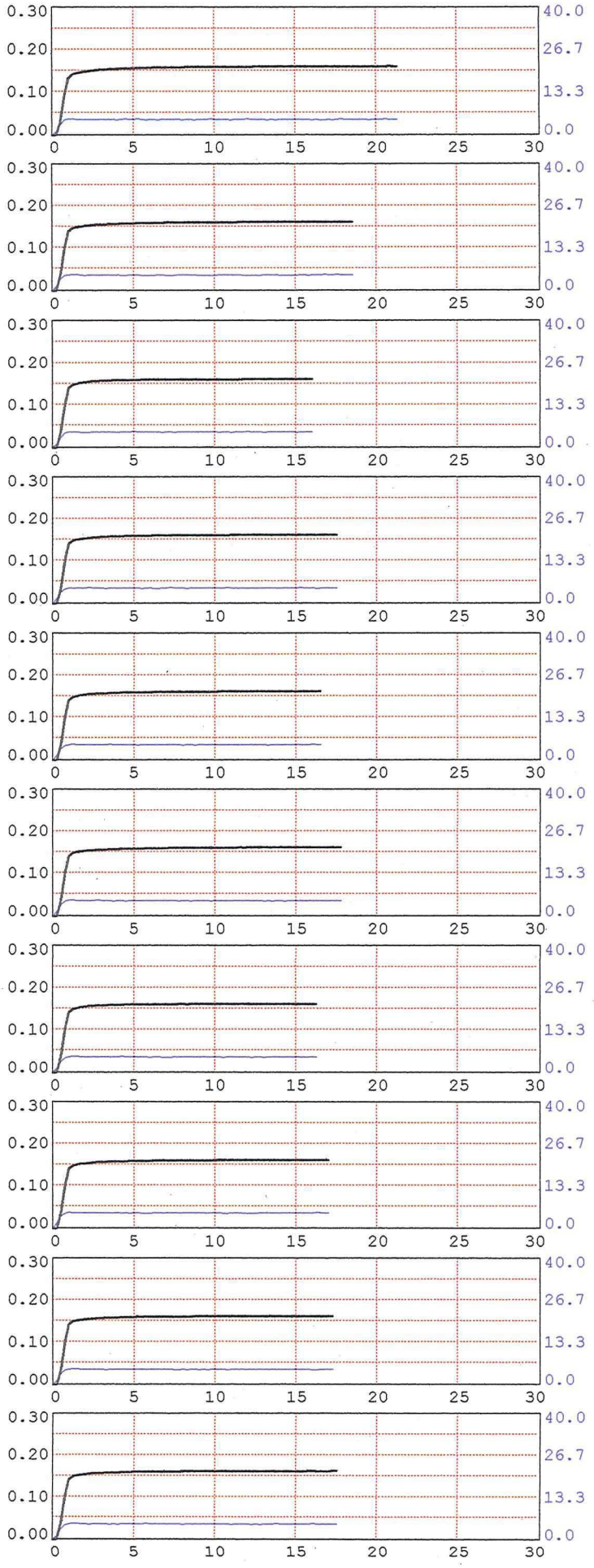
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 12-03-160
SOLUTION CONCENTRATION: 0.161

BLANK TEST	0.000	08:47
CALIBRATION CHECK	PASSED	08:47
SIMULATOR VAPOR 34.2°C	0.161	08:48
SIMULATOR VAPOR 34.2°C	0.162	08:49
SIMULATOR VAPOR 34.4°C	0.162	08:50
SIMULATOR VAPOR 34.4°C	0.162	08:51
SIMULATOR VAPOR 34.4°C	0.162	08:52
SIMULATOR VAPOR 34.2°C	0.162	08:54
SIMULATOR VAPOR 34.4°C	0.163	08:55
SIMULATOR VAPOR 34.4°C	0.162	08:56
SIMULATOR VAPOR 34.2°C	0.162	08:57
SIMULATOR VAPOR 34.2°C	0.162	08:58
BLANK TEST	0.000	08:59

Average = 0.162
Std Dev = 0.000

25 RSK 8-15-11



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMater DMT: 100170

Date: 08/15/2011
Time: 09:08:36

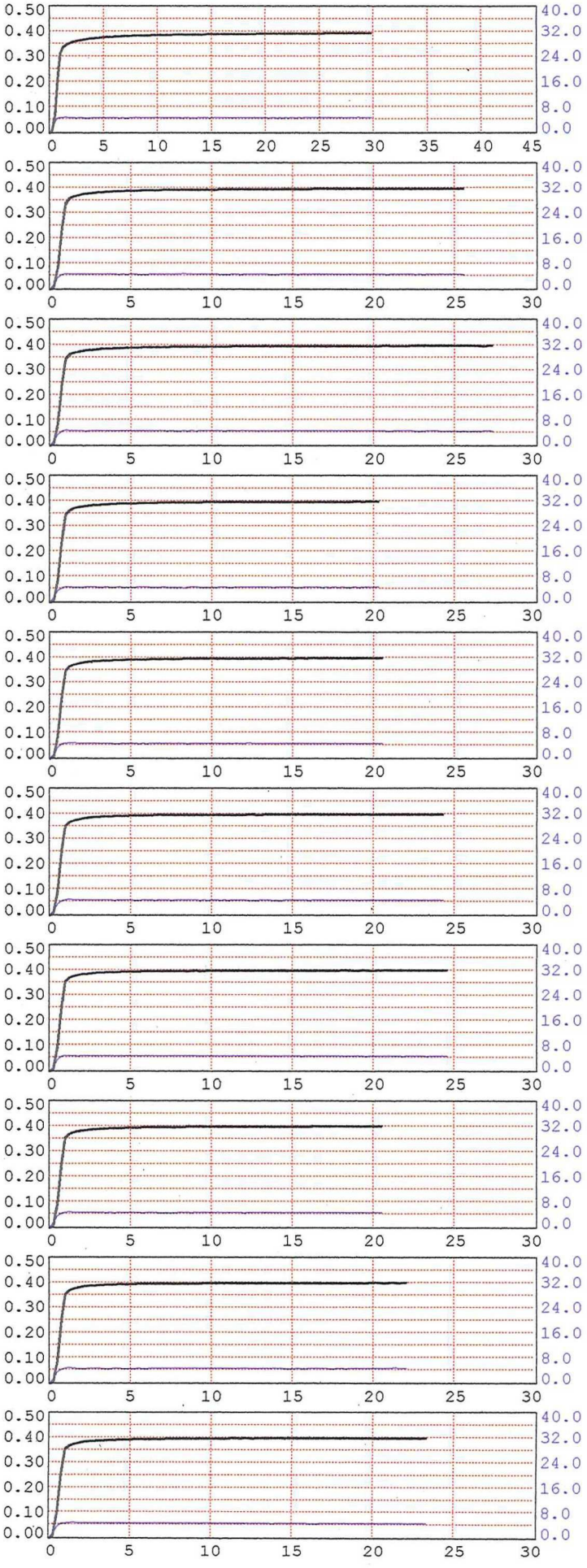
SUPERVISOR NAME:
KIRK L KIMBALL

SOLUTION LOT #: 11-34-400
SOLUTION CONCENTRATION: 0.400

BLANK TEST	0.000	09:09
CALIBRATION CHECK	PASSED	09:09
SIMULATOR VAPOR 34.4°C	0.391	09:10
SIMULATOR VAPOR 34.2°C	0.394	09:11
SIMULATOR VAPOR 34.2°C	0.395	09:13
SIMULATOR VAPOR 34.2°C	0.395	09:14
SIMULATOR VAPOR 34.4°C	0.395	09:15
SIMULATOR VAPOR 34.4°C	0.396	09:16
SIMULATOR VAPOR 34.1°C	0.397	09:18
SIMULATOR VAPOR 34.4°C	0.397	09:19
SIMULATOR VAPOR 34.2°C	0.397	09:20
SIMULATOR VAPOR 34.4°C	0.397	09:21
BLANK TEST	0.000	09:22

Average = 0.395
Std Dev = 0.001

LS 8-15-11 KCMC



DIAGNOSTIC RESULT

DataMaster DMT: 100170
Location:
Calibration Date: 08/10/2011
Certification Date: 08/10/2011
Installation Date:
Test Date: 08/15/2011
Test Time: 09:04:39

VERSIONS
DMT: 1.00
PIC: 2.06
Modem: 2.1
Questions: 2.0

TEMPERATURES

Sample Chamber = 48.9°C
Breath Tube = 45.2°C
Digital Sim = 34.4°C

SETTINGS
Lamp Voltage = 1.53 V
Cooler Voltage = 1.63 V
Bias Voltage = 80 V
Chopper Freq = 530 Hz

PUMP INFO
Flow Rate = 5.594 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1484	0.1500
MIN(V)	0.1463	0.1488

FILTER INFO
Filter 1 0.149 Zero = true
Filter 2 0.672 Zero = true
Filter 3 1.654 Zero = true

CALIBRATION CHECK
Xq = 0.093 0.09%