



ValProbe RT Qualification Detailed Report

Printed on 19-Mar-2020 at 13:52:44 by u1

Study Name: manual 1 min sampling	Company: KAYE	ValProbe RT Version: 1.0.0.51
SOP / Protocol #: 1	Run#: 1	ValProbe RT Reports Version: 1.0.0.36
Asset Name: Asset 10050	Asset ID: 10050	BS Firmware Version: 0.7.0
Started By: a	Date: 18-Mar-2020 13:12:41	Stopped By: a
Setup Created By: a	Setup Created Date: 18-Mar-2020 13:05:45	Study File Comments: 1 min sampling with lethality
Setup Comments: 1	Setup Description: 1	

Comments

Lethality has been selected with the following criteria: Base Temperature : 121.1 °C D Value : 1.00 Z Value : 10.0 TimeScale :Minutes
Lethality Calculated: During Entire Cycle

Calculations in the report is based on 1 Minute sampling rate. Report content is based on 1 Minutes printing rate.

Groups included in report

Temperature_1 - Include sensor inputs, statistical calculations, Lethality

Temperature_2 - Include sensor inputs, statistical calculations, Lethality

Base Station Details

Name: VPRT_Basestation	Location: Anywhere	Hardware Version: 2.4.0	IP Address: 10.17.17.141
Serial No: AJAY_BS2	Model No: VPRT_BS_1	Firmware Version: 0.7.0	

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Loggers Included in Study

Serial No	Logger Type	Model No	MFG Cal Date	FW Version	Battery Life (%) at Start
ZA46	1 Ch Temp-Bendable	XSBVP12G-RT	31-Jan-2020	1.4.0	100
ZD72	5 Ch Temp-Flexible	XC5FVP40-RT	13-Mar-2020	1.4.0	99
YZ90	1 Ch Temp-Bendable	XCBVP12G-RT	13-Mar-2020	1.4.0	100
YI07	5 Ch Temp-Flexible	XC5FVP40-RT	19-Feb-2020	1.4.0	99

Sensor/Group Definitions

Group Name	Sensor Label	Sensor Type	Sensor SN-Probe ID	Description
Temperature_1	temp1	Temperature	ZA46-A	
	temp2	Temperature	ZD72-A	
	temp3	Temperature	ZD72-B	
	temp4	Temperature	ZD72-C	
	temp5	Temperature	ZD72-D	
	temp6	Temperature	ZD72-E	
	temp7	Temperature	YZ90-A	
	temp8	Temperature	YI07-A	
	temp9	Temperature	YI07-B	
	temp10	Temperature	YI07-C	
Temperature_2	temp51	Temperature	YI07-D	
	temp52	Temperature	YI07-E	

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
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18-Mar-2020

13:12:41 ***** Study Start *****

13:12:41 *****Qual*****

13:12:41 26.04 28.35

13:12:42 27.42 28.27 25.60 26.09 29.18 25.97 28.12 26.99

13:13:00 29.68 27.38 28.20 25.60 26.00 29.23 27.24 26.30 28.14 26.91

13:14:00 113.06 95.46 76.54 76.41 75.12 95.47 114.94 118.24 110.98 128.87

13:15:00 133.75 130.07 122.31 121.61 122.70 129.93 134.02 134.34 133.59 137.04

13:16:00 138.64 137.19 134.90 134.69 135.09 137.26 138.44 138.37 138.19 139.00

13:17:00 139.78 139.13 138.48 138.36 138.50 139.16 139.45 139.50 139.32 139.55

13:18:00 140.03 139.69 139.50 139.40 139.46 139.69 139.68 139.81 139.64 139.71

13:19:00 140.09 139.84 139.76 139.67 139.71 139.83 139.73 139.90 139.73 139.74

13:20:00 140.10 139.88 139.85 139.75 139.78 139.85 139.74 139.93 139.76 139.77

13:21:00 140.10 139.88 139.87 139.77 139.79 139.86 139.75 139.92 139.76 139.75

13:22:00 140.10 139.88 139.88 139.77 139.80 139.86 139.74 139.92 139.75 139.75

13:23:00 140.10 139.88 139.87 139.77 139.80 139.87 139.75 139.93 139.75 139.75

13:24:00 140.10 139.89 139.87 139.77 139.80 139.87 139.75 139.93 139.75 139.75

13:25:00 140.10 139.89 139.86 139.76 139.80 139.87 139.74 139.93 139.76 139.76

13:26:00 140.10 139.88 139.87 139.78 139.80 139.87 139.75 139.93 139.76 139.76

13:27:00 140.10 139.90 139.87 139.78 139.81 139.87 139.74 139.93 139.76 139.76

13:28:00 140.10 139.89 139.88 139.78 139.80 139.87 139.74 139.93 139.75 139.75

13:29:00 140.10 139.89 139.88 139.78 139.80 139.87 139.74 139.93 139.77 139.77

13:30:00 140.10 139.89 139.87 139.77 139.80 139.87 139.74 139.93 139.76 139.76

13:31:00 140.10 139.88 139.87 139.77 139.80 139.87 139.74 139.93 139.75 139.75

13:32:00 140.10 139.90 139.87 139.77 139.81 139.87 139.74 139.94 139.77 139.77

13:33:00 140.10 139.89 139.88 139.78 139.81 139.87 139.74 139.93 139.77 139.76

13:34:00 140.10 139.89 139.87 139.77 139.80 139.88 139.74 139.94 139.76 139.76

Performeded By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
13:35:00	140.10	139.89	139.86	139.77	139.80	139.86	139.74	139.93	139.75	139.76
13:36:00	140.09	139.89	139.88	139.78	139.81	139.87	139.74	139.92	139.77	139.76
13:37:00	140.10	139.89	139.87	139.77	139.80	139.87	139.74	139.93	139.76	139.76
13:38:00	140.09	139.89	139.88	139.78	139.80	139.86	139.74	139.93	139.75	139.76
13:39:00	140.09	139.89	139.87	139.77	139.80	139.87	139.73	139.94	139.76	139.76
13:40:00	140.09	139.97	139.94	139.84	139.88	139.95	139.73	139.92	139.77	139.76
13:41:00	140.06	140.08	140.05	139.95	139.98	140.05	139.66	139.97	139.76	139.76
13:42:00	140.10	140.13	140.09	140.00	140.04	140.11	139.72	139.99	139.82	139.83
13:43:00	140.12	140.09	140.08	139.98	140.01	140.08	139.75	139.96	139.80	139.80
13:44:00	140.12	140.06	140.04	139.94	139.98	140.05	139.76	139.94	139.80	139.79
13:45:00	140.12	140.03	140.00	139.90	139.94	140.03	139.75	139.93	139.79	139.79
13:46:00	140.11	140.02	140.00	139.88	139.92	140.02	139.75	139.92	139.77	139.77
13:47:00	140.10	140.01	140.00	139.88	139.91	140.02	139.75	139.92	139.76	139.77
13:48:00	140.10	140.01	139.98	139.87	139.91	140.01	139.74	139.91	139.76	139.77
13:49:00	140.10	140.02	139.99	139.88	139.92	140.02	139.73	139.91	139.77	139.76
13:50:00	140.10	140.00	139.97	139.86	139.90	140.01	139.73	139.92	139.76	139.77
13:51:00	140.10	140.01	139.98	139.88	139.92	140.01	139.73	139.90	139.76	139.76
13:52:00	140.10	140.02	139.99	139.87	139.92	140.02	139.73	139.91	139.77	139.77
13:53:00	140.10	140.01	139.98	139.87	139.91	140.01	139.73	139.91	139.77	139.77
13:54:00	140.09	140.00	139.98	139.86	139.90	140.01	139.73	139.90	139.75	139.76
13:55:00	140.10	140.01	139.99	139.88	139.91	140.01	139.73	139.90	139.75	139.75
13:56:00	140.10	140.01	139.99	139.88	139.91	140.01	139.73	139.90	139.75	139.76
13:57:00	140.10	140.01	139.99	139.88	139.91	140.01	139.73	139.89	139.76	139.75
13:58:00	140.10	140.01	139.99	139.88	139.91	140.01	139.73	139.90	139.75	139.75
13:59:00	140.09	139.99	139.98	139.86	139.91	140.01	139.73	139.91	139.75	139.76
14:00:00	140.10	140.01	139.97	139.87	139.90	140.01	139.73	139.91	139.76	139.76
14:01:00	140.10	140.01	139.98	139.88	139.92	140.01	139.73	139.90	139.76	139.77

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
14:02:00	140.09	140.00	139.98	139.87	139.91	140.01	139.73	139.91	139.75	139.75
14:03:00	140.10	140.01	139.98	139.88	139.91	140.01	139.73	139.90	139.76	139.75
14:04:00	140.09	140.01	139.97	139.86	139.91	140.01	139.73	139.91	139.76	139.77
14:05:00	140.09	140.00	139.97	139.86	139.91	140.01	139.73	139.91	139.76	139.77
14:06:00	140.09	140.01	139.98	139.87	139.92	140.02	139.73	139.90	139.76	139.76
14:07:00	140.10	140.01	139.97	139.86	139.91	140.01	139.73	139.91	139.76	139.77
14:08:00	140.09	140.00	139.98	139.86	139.90	140.00	139.73	139.91	139.76	139.76
14:09:00	140.09	140.00	139.98	139.87	139.90	140.00	139.73	139.90	139.74	139.75
14:10:00	140.10	140.00	139.97	139.86	139.90	140.01	139.73	139.91	139.76	139.77
14:11:00	140.10	140.00	139.97	139.86	139.90	140.01	139.73	139.90	139.76	139.77
14:12:00	140.09	140.01	139.99	139.88	139.91	140.01	139.73	139.89	139.75	139.75
14:13:00	140.10	140.01	139.98	139.87	139.91	140.01	139.73	139.90	139.76	139.76
14:14:00	140.10	140.00	139.97	139.86	139.90	140.01	139.73	139.91	139.76	139.77
14:15:00	140.09	140.00	139.99	139.87	139.90	140.00	139.73	139.90	139.75	139.75
14:16:00	140.09	140.00	139.98	139.87	139.91	140.01	139.73	139.90	139.75	139.76
14:17:00	140.10	140.00	139.98	139.86	139.90	140.01	139.73	139.92	139.76	139.77
14:18:00	140.09	140.00	139.97	139.86	139.90	140.00	139.73	139.91	139.76	139.76
14:19:00	140.09	140.00	139.98	139.87	139.91	140.01	139.73	139.91	139.75	139.75
14:20:00	140.10	140.00	139.98	139.86	139.90	140.00	139.73	139.91	139.75	139.76
14:21:00	140.10	140.01	139.99	139.88	139.92	140.01	139.73	139.90	139.75	139.75
14:22:00	140.09	140.00	139.98	139.86	139.90	140.01	139.73	139.91	139.76	139.76
14:23:00	140.09	140.00	139.98	139.87	139.91	140.01	139.72	139.90	139.75	139.76
14:24:00	140.09	139.99	139.97	139.86	139.90	140.00	139.72	139.90	139.75	139.75
14:25:00	140.09	140.00	139.98	139.87	139.91	140.01	139.73	139.89	139.75	139.75
14:26:00	140.09	140.00	139.98	139.87	139.91	140.00	139.72	139.89	139.75	139.76
14:27:00	140.09	139.99	139.97	139.85	139.89	140.00	139.73	139.90	139.75	139.76
14:28:00	140.09	140.00	139.97	139.86	139.90	140.00	139.72	139.89	139.76	139.76

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
14:29:00	140.09	139.99	139.98	139.86	139.90	140.00	139.73	139.90	139.75	139.75
14:30:00	140.09	139.99	139.97	139.86	139.89	139.99	139.72	139.90	139.73	139.74
14:31:00	140.09	140.00	139.98	139.87	139.90	140.00	139.72	139.90	139.74	139.75
14:32:00	140.09	139.99	139.95	139.85	139.90	140.00	139.72	139.90	139.76	139.77
14:33:00	140.08	140.00	139.98	139.87	139.90	140.00	139.73	139.89	139.74	139.74
14:34:00	140.09	140.00	139.98	139.87	139.91	140.01	139.72	139.90	139.74	139.75
14:35:00	140.09	139.99	139.95	139.85	139.89	140.00	139.72	139.90	139.75	139.76
14:36:00	140.09	140.00	139.97	139.86	139.90	140.01	139.72	139.90	139.75	139.76
14:37:00	140.09	140.00	139.97	139.87	139.91	140.01	139.72	139.90	139.75	139.75
14:38:00	140.08	139.99	139.95	139.85	139.89	140.00	139.72	139.91	139.76	139.77
14:39:00	140.09	140.00	139.98	139.87	139.90	140.00	139.72	139.90	139.74	139.75
14:40:00	140.09	140.00	139.97	139.87	139.91	140.00	139.72	139.89	139.74	139.75
14:41:00	140.09	140.00	139.98	139.85	139.89	140.01	139.72	139.90	139.75	139.75
14:42:00	140.09	140.00	139.97	139.86	139.90	140.00	139.73	139.89	139.75	139.75
14:43:00	140.09	140.00	139.97	139.87	139.90	140.01	139.73	139.89	139.75	139.75
14:44:00	140.09	139.99	139.97	139.85	139.90	140.00	139.73	139.91	139.75	139.76
14:45:00	140.09	139.99	139.95	139.85	139.89	140.00	139.72	139.90	139.76	139.76
14:46:00	140.09	140.00	139.97	139.86	139.90	140.01	139.73	139.90	139.74	139.75
14:47:00	140.09	140.00	139.98	139.87	139.90	140.01	139.72	139.90	139.74	139.75
14:48:00	140.09	140.01	139.98	139.87	139.91	140.01	139.72	139.89	139.75	139.74
14:49:00	140.09	140.00	139.97	139.86	139.90	140.00	139.72	139.90	139.75	139.75
14:50:00	140.09	139.99	139.97	139.86	139.90	140.00	139.73	139.91	139.75	139.76
14:51:00	140.09	140.00	139.98	139.86	139.91	140.00	139.73	139.89	139.74	139.74
14:52:00	140.08	140.00	139.97	139.85	139.90	140.00	139.72	139.90	139.75	139.76
14:53:00	140.09	139.99	139.97	139.86	139.90	140.01	139.72	139.89	139.75	139.75
14:54:00	140.09	139.99	139.95	139.85	139.90	140.00	139.72	139.89	139.75	139.76
14:55:00	140.09	139.99	139.97	139.86	139.90	140.00	139.72	139.90	139.75	139.76

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
14:56:00	140.09	140.00	139.95	139.85	139.90	140.01	139.72	139.90	139.76	139.76
14:57:00	140.09	140.00	139.95	139.85	139.90	140.00	139.72	139.88	139.74	139.75
14:58:00	140.08	140.00	139.98	139.87	139.91	140.01	139.73	139.90	139.74	139.74
14:59:00	140.09	140.00	139.98	139.87	139.91	140.01	139.72	139.89	139.75	139.74
15:00:00	140.09	140.00	139.97	139.86	139.90	140.01	139.72	139.90	139.75	139.75
15:01:00	140.09	139.99	139.97	139.86	139.90	140.01	139.72	139.91	139.76	139.77
15:02:00	140.09	140.00	139.98	139.86	139.91	140.01	139.73	139.89	139.75	139.75
15:03:00	140.09	140.00	139.98	139.86	139.91	140.01	139.72	139.90	139.74	139.75
15:04:00	140.09	140.00	139.97	139.86	139.90	140.01	139.72	139.90	139.76	139.76
15:05:00	140.09	140.00	139.98	139.87	139.91	140.02	139.73	139.89	139.75	139.75
15:06:00	140.09	140.00	139.98	139.86	139.90	140.02	139.72	139.89	139.75	139.75
15:07:00	140.09	140.00	139.97	139.86	139.91	140.02	139.73	139.90	139.76	139.75
15:08:00	140.09	139.98	139.98	139.86	139.90	140.01	139.72	139.90	139.75	139.76
15:09:00	140.09	139.99	139.99	139.87	139.90	140.02	139.72	139.90	139.75	139.76
15:10:00	140.09	140.00	139.99	139.88	139.91	140.02	139.72	139.90	139.75	139.75
15:11:00	140.09	139.99	139.98	139.87	139.90	140.02	139.72	139.89	139.75	139.75
15:12:00	140.08	140.00	139.98	139.86	139.91	140.02	139.72	139.89	139.74	139.74
15:13:00	140.09	139.99	139.98	139.87	139.91	140.02	139.72	139.91	139.75	139.76
15:14:00	140.09	139.99	139.97	139.86	139.89	140.01	139.72	139.90	139.76	139.75
15:15:00	140.08	140.00	139.97	139.87	139.90	140.02	139.72	139.90	139.74	139.75
15:16:00	140.09	140.00	139.98	139.87	139.91	140.02	139.72	139.90	139.74	139.75
15:17:00	140.09	139.99	139.98	139.87	139.90	140.02	139.72	139.90	139.74	139.75
15:18:00	140.08	140.00	139.98	139.87	139.91	140.02	139.72	139.90	139.74	139.74
15:19:00	140.08	140.00	139.99	139.87	139.91	140.02	139.72	139.90	139.74	139.75
15:20:00	140.08	139.99	139.98	139.87	139.91	140.02	139.72	139.89	139.74	139.75
15:21:00	140.09	139.99	139.95	139.85	139.90	140.01	139.72	139.89	139.75	139.75
15:22:00	140.09	140.00	139.97	139.86	139.90	140.01	139.73	139.90	139.75	139.75

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
15:23:00	140.09	139.99	139.98	139.87	139.91	140.02	139.72	139.90	139.74	139.75
15:24:00	140.09	139.99	139.97	139.85	139.90	140.01	139.73	139.90	139.75	139.75
15:25:00	140.09	140.00	139.99	139.88	139.92	140.02	139.72	139.90	139.75	139.75
15:26:00	140.09	140.00	139.98	139.87	139.91	140.02	139.72	139.89	139.74	139.75
15:27:00	140.09	139.99	139.98	139.86	139.90	140.02	139.73	139.90	139.75	139.76
15:28:00	140.08	139.99	139.98	139.87	139.90	140.01	139.72	139.91	139.76	139.76
15:29:00	140.09	139.99	139.98	139.87	139.91	140.02	139.72	139.90	139.74	139.75
15:30:00	140.09	140.00	139.98	139.88	139.91	140.02	139.73	139.90	139.74	139.75
15:31:00	140.09	140.00	139.99	139.88	139.91	140.02	139.72	139.91	139.75	139.76
15:32:00	140.09	140.00	139.98	139.87	139.91	140.02	139.73	139.90	139.74	139.74
15:33:00	140.09	139.99	139.99	139.86	139.90	140.01	139.73	139.90	139.76	139.76
15:34:00	140.09	140.00	139.97	139.86	139.90	140.02	139.72	139.90	139.75	139.75
15:35:00	140.09	139.99	139.99	139.87	139.91	140.02	139.72	139.91	139.75	139.76
15:36:00	140.08	140.00	139.99	139.88	139.92	140.02	139.73	139.90	139.74	139.75
15:37:00	140.09	139.99	139.99	139.87	139.91	140.02	139.72	139.91	139.75	139.76
15:38:00	140.09	140.00	139.98	139.87	139.91	140.02	139.72	139.90	139.75	139.76
15:39:00	140.09	140.00	139.98	139.86	139.91	140.01	139.73	139.90	139.74	139.74
15:40:00	140.08	140.07	139.99	139.87	139.91	140.06	139.72	139.91	139.76	139.77
15:41:00	140.09	140.10	139.99	139.87	139.93	140.06	139.72	139.89	139.75	139.75
15:42:00	140.09	140.10	139.99	139.87	139.92	140.06	139.71	139.89	139.76	139.76
15:43:00	140.08	140.10	139.99	139.87	139.92	140.05	139.72	139.90	139.75	139.76
15:44:00	140.08	140.10	140.00	139.88	139.93	140.06	139.72	139.90	139.74	139.75
15:45:00	140.09	140.10	139.99	139.88	139.92	140.05	139.71	139.90	139.74	139.75
15:46:00	140.08	140.10	139.98	139.86	139.91	140.05	139.72	139.89	139.75	139.75
15:47:00	140.08	140.10	139.98	139.87	139.92	140.06	139.71	139.89	139.73	139.74
15:48:00	140.08	140.10	139.99	139.88	139.93	140.05	139.72	139.90	139.73	139.75
15:49:00	140.08	140.10	139.99	139.86	139.91	140.06	139.72	139.89	139.75	139.75

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
15:50:00	140.08	140.10	139.99	139.87	139.92	140.05	139.71	139.90	139.75	139.75
15:51:00	140.08	140.10	139.99	139.87	139.92	140.05	139.72	139.90	139.75	139.76
15:52:00	140.08	140.10	139.99	139.88	139.92	140.06	139.72	139.90	139.75	139.76
15:53:00	140.08	140.09	139.99	139.87	139.91	140.05	139.72	139.90	139.75	139.76
15:54:00	140.08	140.10	139.99	139.87	139.93	140.06	139.72	139.90	139.74	139.74
15:55:00	140.08	140.10	139.99	139.87	139.93	140.06	139.72	139.89	139.73	139.74
15:56:00	140.08	140.11	139.99	139.88	139.93	140.06	139.72	139.90	139.74	139.75
15:56:00 ***** Study End *****										

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
13:12:41	***** Study Start *****											
13:12:41	*****Qual*****											
13:12:41	26.04	temp1	ZA46-A	28.35	temp7	YZ90-A	2.31	27.19	1.63	1.16	1.15	00:00:00
13:12:42	25.60	temp4	ZD72-C	29.18	temp6	ZD72-E	3.58	27.20	1.27	1.98	1.60	00:00:01
13:13:00	25.60	temp4	ZD72-C	29.68	temp1	ZA46-A	4.08	27.47	1.35	2.21	1.87	00:00:19
13:14:00	75.12	temp5	ZD72-D	128.87	temp10	YI07-C	53.75	100.51	19.56	28.36	25.39	00:01:19
13:15:00	121.61	temp4	ZD72-C	137.04	temp10	YI07-C	15.43	129.94	5.72	7.10	8.33	00:02:19
13:16:00	134.69	temp4	ZD72-C	139.00	temp10	YI07-C	4.31	137.18	1.67	1.82	2.49	00:03:19
13:17:00	138.36	temp4	ZD72-C	139.78	temp1	ZA46-A	1.42	139.12	0.50	0.66	0.76	00:04:19
13:18:00	139.40	temp4	ZD72-C	140.03	temp1	ZA46-A	0.63	139.66	0.18	0.37	0.26	00:05:19
13:19:00	139.67	temp4	ZD72-C	140.09	temp1	ZA46-A	0.42	139.80	0.12	0.29	0.13	00:06:19
13:20:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.84	0.11	0.26	0.10	00:07:19
13:21:00	139.75	temp7	YZ90-A	140.10	temp1	ZA46-A	0.35	139.85	0.11	0.25	0.10	00:08:19
13:22:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:09:19
13:23:00	139.75	temp7	YZ90-A	140.10	temp1	ZA46-A	0.35	139.85	0.11	0.25	0.10	00:10:19
13:24:00	139.75	temp7	YZ90-A	140.10	temp1	ZA46-A	0.35	139.85	0.11	0.25	0.10	00:11:19
13:25:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:12:19
13:26:00	139.75	temp7	YZ90-A	140.10	temp1	ZA46-A	0.35	139.85	0.11	0.25	0.10	00:13:19
13:27:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:14:19
13:28:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:15:19
13:29:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:16:19
13:30:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:17:19
13:31:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:18:19
13:32:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:19:19
13:33:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:20:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
13:34:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:21:19
13:35:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:22:19
13:36:00	139.74	temp7	YZ90-A	140.09	temp1	ZA46-A	0.35	139.85	0.10	0.24	0.11	00:23:19
13:37:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.85	0.11	0.25	0.11	00:24:19
13:38:00	139.74	temp7	YZ90-A	140.09	temp1	ZA46-A	0.35	139.85	0.11	0.24	0.11	00:25:19
13:39:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.85	0.11	0.24	0.12	00:26:19
13:40:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.88	0.11	0.21	0.15	00:27:19
13:41:00	139.66	temp7	YZ90-A	140.08	temp2	ZD72-A	0.42	139.93	0.15	0.15	0.27	00:28:19
13:42:00	139.72	temp7	YZ90-A	140.13	temp2	ZD72-A	0.41	139.98	0.14	0.15	0.26	00:29:19
13:43:00	139.75	temp7	YZ90-A	140.12	temp1	ZA46-A	0.37	139.97	0.14	0.15	0.22	00:30:19
13:44:00	139.76	temp7	YZ90-A	140.12	temp1	ZA46-A	0.36	139.95	0.13	0.17	0.19	00:31:19
13:45:00	139.75	temp7	YZ90-A	140.12	temp1	ZA46-A	0.37	139.93	0.12	0.19	0.18	00:32:19
13:46:00	139.75	temp7	YZ90-A	140.11	temp1	ZA46-A	0.36	139.92	0.12	0.19	0.17	00:33:19
13:47:00	139.75	temp7	YZ90-A	140.10	temp1	ZA46-A	0.35	139.91	0.12	0.19	0.16	00:34:19
13:48:00	139.74	temp7	YZ90-A	140.10	temp1	ZA46-A	0.36	139.91	0.12	0.19	0.17	00:35:19
13:49:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.91	0.13	0.19	0.18	00:36:19
13:50:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	00:37:19
13:51:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	00:38:19
13:52:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.91	0.12	0.19	0.18	00:39:19
13:53:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.91	0.12	0.19	0.18	00:40:19
13:54:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:41:19
13:55:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.13	0.20	0.17	00:42:19
13:56:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.13	0.20	0.17	00:43:19
13:57:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.13	0.20	0.17	00:44:19
13:58:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.13	0.20	0.17	00:45:19
13:59:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:46:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
14:00:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	00:47:19
14:01:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.91	0.12	0.19	0.18	00:48:19
14:02:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:49:19
14:03:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.13	0.20	0.17	00:50:19
14:04:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:51:19
14:05:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:52:19
14:06:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:53:19
14:07:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	00:54:19
14:08:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:55:19
14:09:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	00:56:19
14:10:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	00:57:19
14:11:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	00:58:19
14:12:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.13	0.19	0.17	00:59:19
14:13:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	01:00:19
14:14:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	01:01:19
14:15:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:02:19
14:16:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:03:19
14:17:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	01:04:19
14:18:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:05:19
14:19:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:06:19
14:20:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.12	0.20	0.17	01:07:19
14:21:00	139.73	temp7	YZ90-A	140.10	temp1	ZA46-A	0.37	139.90	0.13	0.20	0.17	01:08:19
14:22:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:09:19
14:23:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	01:10:19
14:24:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:11:19
14:25:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:12:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
14:26:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	01:13:19
14:27:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.89	0.12	0.20	0.16	01:14:19
14:28:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	01:15:19
14:29:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:16:19
14:30:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.13	0.20	0.17	01:17:19
14:31:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:18:19
14:32:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:19:19
14:33:00	139.73	temp7	YZ90-A	140.08	temp1	ZA46-A	0.35	139.89	0.12	0.19	0.16	01:20:19
14:34:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:21:19
14:35:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:22:19
14:36:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	01:23:19
14:37:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:24:19
14:38:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.89	0.12	0.19	0.17	01:25:19
14:39:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:26:19
14:40:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.13	0.20	0.17	01:27:19
14:41:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.13	0.20	0.17	01:28:19
14:42:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.89	0.12	0.20	0.16	01:29:19
14:43:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:30:19
14:44:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:31:19
14:45:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:32:19
14:46:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.13	0.19	0.17	01:33:19
14:47:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:34:19
14:48:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:35:19
14:49:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:36:19
14:50:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:37:19
14:51:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.89	0.13	0.20	0.16	01:38:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
14:52:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.89	0.12	0.19	0.17	01:39:19
14:53:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:40:19
14:54:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:41:19
14:55:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:42:19
14:56:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:43:19
14:57:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:44:19
14:58:00	139.73	temp7	YZ90-A	140.08	temp1	ZA46-A	0.35	139.90	0.13	0.18	0.17	01:45:19
14:59:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:46:19
15:00:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:47:19
15:01:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	01:48:19
15:02:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:49:19
15:03:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:50:19
15:04:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	01:51:19
15:05:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.13	0.19	0.17	01:52:19
15:06:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:53:19
15:07:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	01:54:19
15:08:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	01:55:19
15:09:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:56:19
15:10:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:57:19
15:11:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	01:58:19
15:12:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.89	0.13	0.19	0.17	01:59:19
15:13:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.12	0.19	0.18	02:00:19
15:14:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	02:01:19
15:15:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.90	0.13	0.18	0.18	02:02:19
15:16:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:03:19
15:17:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:04:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
15:18:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.90	0.13	0.18	0.18	02:05:19
15:19:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.90	0.13	0.18	0.18	02:06:19
15:20:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.90	0.13	0.18	0.18	02:07:19
15:21:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.89	0.12	0.20	0.17	02:08:19
15:22:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	02:09:19
15:23:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:10:19
15:24:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.89	0.12	0.20	0.16	02:11:19
15:25:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:12:19
15:26:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:13:19
15:27:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	02:14:19
15:28:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.90	0.12	0.18	0.18	02:15:19
15:29:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:16:19
15:30:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.13	0.19	0.17	02:17:19
15:31:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:18:19
15:32:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.13	0.19	0.17	02:19:19
15:33:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.12	0.19	0.17	02:20:19
15:34:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:21:19
15:35:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:22:19
15:36:00	139.73	temp7	YZ90-A	140.08	temp1	ZA46-A	0.35	139.90	0.13	0.18	0.17	02:23:19
15:37:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:24:19
15:38:00	139.72	temp7	YZ90-A	140.09	temp1	ZA46-A	0.37	139.90	0.13	0.19	0.18	02:25:19
15:39:00	139.73	temp7	YZ90-A	140.09	temp1	ZA46-A	0.36	139.90	0.13	0.19	0.17	02:26:19
15:40:00	139.72	temp7	YZ90-A	140.08	temp1	ZA46-A	0.36	139.91	0.13	0.17	0.19	02:27:19
15:41:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.14	0.19	0.19	02:28:19
15:42:00	139.71	temp7	YZ90-A	140.10	temp2	ZD72-A	0.39	139.91	0.14	0.19	0.20	02:29:19
15:43:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.14	0.19	0.19	02:30:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
15:44:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.92	0.14	0.18	0.20	02:31:19
15:45:00	139.71	temp7	YZ90-A	140.10	temp2	ZD72-A	0.39	139.91	0.15	0.19	0.20	02:32:19
15:46:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.14	0.19	0.19	02:33:19
15:47:00	139.71	temp7	YZ90-A	140.10	temp2	ZD72-A	0.39	139.91	0.15	0.19	0.20	02:34:19
15:48:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.14	0.19	0.19	02:35:19
15:49:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.14	0.19	0.19	02:36:19
15:50:00	139.71	temp7	YZ90-A	140.10	temp2	ZD72-A	0.39	139.91	0.14	0.19	0.20	02:37:19
15:51:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.14	0.19	0.19	02:38:19
15:52:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.92	0.14	0.18	0.20	02:39:19
15:53:00	139.72	temp7	YZ90-A	140.09	temp2	ZD72-A	0.37	139.91	0.14	0.18	0.19	02:40:19
15:54:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.15	0.19	0.19	02:41:19
15:55:00	139.72	temp7	YZ90-A	140.10	temp2	ZD72-A	0.38	139.91	0.15	0.19	0.19	02:42:19
15:56:00	139.72	temp7	YZ90-A	140.11	temp2	ZD72-A	0.39	139.92	0.15	0.19	0.20	02:43:19
15:56:00	***** Study End *****											

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
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18-Mar-2020

13:12:41 ***** Study Start *****

13:12:41 *****Qual*****

13:12:41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13:12:42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13:13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13:14:00	0.08	0.00	0.00	0.00	0.00	0.00	0.12	0.26	0.05	2.99
13:15:00	9.36	3.95	0.66	0.56	0.72	3.82	10.04	11.06	8.97	25.62
13:16:00	46.94	28.21	13.32	12.55	13.98	28.29	46.93	48.27	43.42	76.08
13:17:00	112.21	80.30	52.66	50.59	53.98	80.93	108.23	109.53	102.19	141.90
13:18:00	188.19	148.21	114.60	111.00	115.74	149.06	178.48	181.27	171.11	213.20
13:19:00	266.90	221.75	185.92	180.77	186.31	222.52	251.01	256.35	243.30	286.06
13:20:00	346.24	296.92	260.14	253.39	259.52	297.34	324.04	332.47	316.50	359.43
13:21:00	425.67	372.43	335.30	326.84	333.39	372.41	397.23	408.77	389.95	432.88
13:22:00	505.10	447.94	410.73	400.46	407.44	447.57	470.43	484.98	463.32	506.16
13:23:00	584.54	523.45	486.15	474.08	481.57	522.82	543.63	561.27	536.60	579.44
13:24:00	663.97	599.04	561.48	547.70	555.70	598.16	616.91	637.65	609.89	652.73
13:25:00	743.40	674.72	636.73	621.24	629.83	673.49	690.11	714.04	683.25	726.09
13:26:00	822.84	750.32	711.98	694.86	703.96	748.83	763.31	790.42	756.70	799.54
13:27:00	902.27	826.00	787.32	768.65	778.18	824.16	836.51	866.80	830.16	873.00
13:28:00	981.70	901.78	862.74	842.44	852.39	899.50	909.62	943.19	903.52	946.36
13:29:00	1061.14	977.46	938.25	916.23	926.53	974.84	982.73	1019.57	976.97	1019.81
13:30:00	1140.57	1053.14	1013.67	989.93	1000.66	1050.17	1055.85	1095.95	1050.51	1093.35
13:31:00	1220.00	1128.74	1089.01	1063.55	1074.79	1125.51	1128.96	1172.34	1123.88	1166.72
13:32:00	1299.43	1204.42	1164.34	1137.18	1149.00	1200.84	1202.08	1248.81	1197.33	1240.17
13:33:00	1378.87	1280.19	1239.76	1210.88	1223.31	1276.18	1275.19	1325.28	1270.95	1313.70
13:34:00	1458.30	1355.88	1315.19	1284.59	1297.52	1351.60	1348.31	1401.75	1344.48	1387.16

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
13:35:00	1537.73	1431.56	1390.44	1358.21	1371.65	1426.94	1421.42	1478.22	1417.85	1460.61
13:36:00	1617.07	1507.24	1465.77	1431.91	1445.87	1502.19	1494.53	1554.52	1491.30	1534.06
13:37:00	1696.42	1582.93	1541.19	1505.62	1520.09	1577.52	1567.65	1630.82	1564.84	1607.51
13:38:00	1775.76	1658.61	1616.62	1579.32	1594.22	1652.77	1640.76	1707.20	1638.21	1680.96
13:39:00	1855.01	1734.29	1692.04	1653.03	1668.35	1728.02	1713.79	1783.67	1711.57	1754.41
13:40:00	1934.26	1810.68	1767.99	1727.25	1743.17	1804.05	1786.74	1860.06	1785.11	1827.86
13:41:00	2013.23	1888.76	1845.53	1803.03	1819.56	1881.68	1859.10	1936.70	1858.65	1901.31
13:42:00	2092.30	1968.28	1924.41	1880.20	1897.36	1960.75	1931.38	2013.97	1932.61	1975.36
13:43:00	2171.92	2047.90	2003.57	1957.65	1975.44	2040.09	2004.41	2091.15	2006.91	2049.75
13:44:00	2251.72	2126.88	2082.28	2034.56	2052.97	2118.89	2077.77	2167.89	2081.04	2123.80
13:45:00	2331.52	2205.31	2160.26	2110.77	2129.89	2197.23	2151.14	2244.36	2155.09	2197.76
13:46:00	2411.23	2283.38	2237.89	2186.46	2206.27	2275.31	2224.42	2320.66	2228.88	2271.55
13:47:00	2490.75	2361.28	2315.51	2261.97	2282.39	2353.29	2297.71	2396.86	2302.41	2345.17
13:48:00	2570.18	2439.08	2392.96	2337.39	2358.42	2431.18	2370.91	2472.98	2375.86	2418.79
13:49:00	2649.62	2516.97	2470.31	2412.81	2434.54	2509.08	2443.94	2549.02	2449.40	2492.33
13:50:00	2729.05	2594.78	2547.58	2488.15	2510.57	2586.97	2516.88	2625.14	2522.94	2565.86
13:51:00	2808.48	2672.49	2624.76	2563.48	2586.61	2664.77	2589.83	2701.17	2596.39	2639.40
13:52:00	2887.92	2750.39	2702.12	2638.91	2662.82	2742.67	2662.77	2777.11	2669.92	2712.93
13:53:00	2967.35	2828.28	2779.48	2714.24	2738.94	2820.56	2735.72	2853.15	2743.54	2786.55
13:54:00	3046.69	2905.99	2856.75	2789.49	2814.88	2898.36	2808.66	2929.09	2817.00	2860.09
13:55:00	3126.03	2983.71	2934.10	2864.83	2890.83	2976.17	2881.61	3004.95	2890.28	2933.46
13:56:00	3205.46	3061.51	3011.55	2940.33	2966.86	3053.97	2954.55	3080.81	2963.56	3006.82
13:57:00	3284.90	3139.31	3088.99	3015.84	3042.89	3131.77	3027.50	3156.58	3036.93	3080.19
13:58:00	3364.33	3217.12	3166.44	3091.35	3118.93	3209.58	3100.45	3232.35	3110.29	3153.47
13:59:00	3443.67	3294.74	3243.80	3166.69	3194.96	3287.38	3173.39	3308.29	3183.58	3226.84
14:00:00	3523.01	3372.37	3320.98	3241.94	3270.90	3365.19	3246.34	3384.33	3256.95	3300.29
14:01:00	3602.45	3450.17	3398.16	3317.36	3346.94	3442.99	3319.28	3460.27	3330.40	3373.83

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
14:02:00	3681.79	3527.89	3475.42	3392.78	3423.05	3520.79	3392.23	3536.22	3403.76	3447.28
14:03:00	3761.13	3605.60	3552.69	3468.21	3499.09	3598.60	3465.17	3612.16	3477.13	3520.56
14:04:00	3840.47	3683.40	3629.87	3543.54	3575.12	3676.40	3538.12	3688.11	3550.58	3594.01
14:05:00	3919.72	3761.12	3706.96	3618.70	3651.15	3754.20	3611.07	3764.14	3624.03	3667.64
14:06:00	3998.97	3838.83	3784.14	3693.95	3727.27	3832.10	3684.01	3840.08	3697.48	3741.17
14:07:00	4078.31	3916.64	3861.32	3769.20	3803.39	3909.99	3756.96	3916.03	3770.94	3814.71
14:08:00	4157.65	3994.35	3938.50	3844.36	3879.34	3987.70	3829.90	3992.06	3844.39	3888.24
14:09:00	4236.90	4071.97	4015.77	3919.61	3955.20	4065.33	3902.85	4068.01	3917.67	3961.61
14:10:00	4316.25	4149.60	4092.95	3994.86	4031.05	4143.04	3975.79	4143.95	3990.95	4035.06
14:11:00	4395.68	4227.22	4170.04	4070.02	4106.91	4220.85	4048.74	4219.90	4064.40	4108.68
14:12:00	4475.02	4304.94	4247.31	4145.36	4182.86	4298.65	4121.69	4295.67	4137.77	4182.13
14:13:00	4554.36	4382.74	4324.66	4220.78	4258.89	4376.45	4194.63	4371.44	4211.14	4255.50
14:14:00	4633.79	4460.46	4401.84	4296.03	4334.83	4454.26	4267.58	4447.38	4284.59	4329.04
14:15:00	4713.13	4538.08	4479.11	4371.28	4410.69	4531.97	4340.52	4523.33	4357.96	4402.49
14:16:00	4792.39	4615.70	4556.47	4446.62	4486.64	4609.69	4413.47	4599.19	4431.24	4475.85
14:17:00	4871.73	4693.33	4633.73	4521.86	4562.58	4687.49	4486.41	4675.22	4504.60	4549.39
14:18:00	4951.07	4770.95	4710.91	4597.03	4638.44	4765.20	4559.36	4751.34	4578.06	4622.93
14:19:00	5030.32	4848.58	4788.09	4672.27	4714.39	4842.92	4632.31	4827.37	4651.42	4696.29
14:20:00	5109.66	4926.20	4865.36	4747.52	4790.33	4920.63	4705.25	4903.41	4724.71	4769.66
14:21:00	5189.09	5003.92	4942.72	4822.86	4866.36	4998.35	4778.20	4979.35	4797.99	4843.03
14:22:00	5268.44	5081.63	5020.08	4898.20	4942.40	5076.15	4851.14	5055.30	4871.35	4916.40
14:23:00	5347.69	5159.26	5097.34	4973.44	5018.34	5153.95	4924.00	5131.24	4944.72	4989.85
14:24:00	5426.94	5236.79	5174.52	5048.69	5094.29	5231.67	4996.78	5207.10	5018.00	5063.21
14:25:00	5506.19	5314.33	5251.70	5123.94	5170.23	5309.38	5069.64	5282.87	5091.29	5136.50
14:26:00	5585.44	5391.95	5328.97	5199.28	5246.27	5387.10	5142.51	5358.55	5164.57	5209.86
14:27:00	5664.69	5469.49	5406.15	5274.44	5322.12	5464.72	5215.37	5434.32	5237.85	5283.31
14:28:00	5743.94	5547.02	5483.24	5349.52	5397.89	5542.34	5288.23	5510.09	5311.22	5356.77

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
14:29:00	5823.19	5624.56	5560.42	5424.68	5473.75	5619.97	5361.09	5585.87	5384.58	5430.13
14:30:00	5902.44	5702.00	5637.60	5499.84	5549.52	5697.50	5433.95	5661.72	5457.70	5503.33
14:31:00	5981.69	5779.54	5714.78	5575.09	5625.29	5775.04	5506.73	5737.58	5530.73	5576.53
14:32:00	6060.94	5857.08	5791.78	5650.25	5701.15	5852.67	5579.51	5813.44	5604.01	5649.98
14:33:00	6140.09	5934.61	5868.78	5725.42	5777.01	5930.29	5652.37	5889.21	5677.29	5723.35
14:34:00	6219.25	6012.24	5946.05	5800.75	5852.95	6008.00	5725.23	5964.98	5750.41	5796.54
14:35:00	6298.50	6089.77	6023.05	5875.91	5928.81	6085.72	5798.01	6040.84	5823.61	5869.91
14:36:00	6377.75	6167.31	6099.96	5950.99	6004.58	6163.43	5870.79	6116.69	5896.89	5943.36
14:37:00	6457.00	6244.93	6177.05	6026.24	6080.53	6241.23	5943.57	6192.55	5970.17	6016.73
14:38:00	6536.16	6322.47	6253.97	6101.40	6156.38	6318.95	6016.35	6268.50	6043.54	6090.18
14:39:00	6615.32	6400.00	6330.97	6176.56	6232.15	6396.57	6089.12	6344.44	6116.82	6163.63
14:40:00	6694.57	6477.63	6408.15	6251.90	6308.10	6474.20	6161.90	6420.21	6189.93	6236.92
14:41:00	6773.82	6555.25	6485.33	6327.06	6383.96	6551.91	6234.68	6495.98	6263.13	6310.20
14:42:00	6853.07	6632.88	6562.51	6402.14	6459.73	6629.63	6307.54	6571.75	6336.42	6383.48
14:43:00	6932.32	6710.50	6639.60	6477.38	6535.59	6707.34	6380.49	6647.44	6409.70	6456.76
14:44:00	7011.57	6788.04	6716.69	6552.55	6611.44	6785.06	6453.43	6723.29	6482.98	6530.13
14:45:00	7090.82	6865.48	6793.60	6627.54	6687.21	6862.68	6526.29	6799.24	6556.35	6603.58
14:46:00	7170.07	6943.02	6870.51	6702.61	6762.98	6940.40	6599.15	6875.10	6629.63	6676.95
14:47:00	7249.32	7020.64	6947.69	6777.86	6838.84	7018.20	6672.02	6950.96	6702.74	6750.23
14:48:00	7328.57	7098.36	7024.96	6853.20	6914.79	7096.00	6744.79	7026.73	6775.94	6823.43
14:49:00	7407.82	7176.07	7102.14	6928.45	6990.73	7173.71	6817.57	7102.50	6849.22	6896.63
14:50:00	7487.07	7253.61	7179.23	7003.61	7066.59	7251.34	6890.44	7178.44	6922.51	6969.99
14:51:00	7566.32	7331.14	7256.41	7078.77	7142.54	7328.96	6963.38	7254.30	6995.71	7043.28
14:52:00	7645.48	7408.77	7333.59	7153.85	7218.48	7406.59	7036.24	7330.07	7068.90	7116.56
14:53:00	7724.64	7486.30	7410.68	7228.92	7294.34	7484.30	7109.02	7405.84	7142.19	7189.93
14:54:00	7803.89	7563.75	7487.59	7304.00	7370.20	7562.02	7181.80	7481.52	7215.47	7263.29
14:55:00	7883.14	7641.19	7564.51	7379.08	7446.05	7639.64	7254.58	7557.29	7288.75	7336.75

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1										
Asset ID: 10050					SOP / Protocol #: 1					
Comments:					Description:					

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
14:56:00	7962.39	7718.73	7641.42	7454.15	7521.91	7717.36	7327.35	7633.15	7362.12	7410.20
14:57:00	8041.64	7796.35	7718.15	7529.14	7597.77	7795.07	7400.13	7708.83	7435.40	7483.56
14:58:00	8120.80	7873.98	7795.16	7604.30	7673.71	7872.79	7473.00	7784.52	7508.51	7556.76
14:59:00	8199.96	7951.60	7872.42	7679.64	7749.75	7950.59	7545.86	7860.29	7581.71	7629.88
15:00:00	8279.21	8029.23	7949.60	7754.89	7825.69	8028.39	7618.63	7936.06	7655.00	7703.07
15:01:00	8358.46	8106.77	8026.69	7830.05	7901.55	8106.20	7691.41	8012.00	7728.36	7776.52
15:02:00	8437.71	8184.30	8103.87	7905.21	7977.50	8184.00	7764.27	8087.86	7801.73	7849.98
15:03:00	8516.96	8261.92	8181.14	7980.37	8053.53	8261.80	7837.14	8163.63	7874.93	7923.26
15:04:00	8596.21	8339.55	8258.32	8055.54	8129.47	8339.61	7909.91	8239.49	7948.21	7996.62
15:05:00	8675.46	8417.17	8335.50	8130.79	8205.42	8417.50	7982.78	8315.26	8021.58	8069.99
15:06:00	8754.71	8494.80	8412.77	8206.03	8281.36	8495.48	8055.64	8390.94	8094.86	8143.27
15:07:00	8833.96	8572.42	8489.95	8281.20	8357.31	8573.47	8128.50	8466.71	8168.23	8216.56
15:08:00	8913.21	8649.87	8567.13	8356.36	8433.25	8651.36	8201.36	8542.57	8241.59	8289.92
15:09:00	8992.46	8727.23	8644.48	8431.61	8509.11	8729.25	8274.14	8618.43	8314.88	8363.38
15:10:00	9071.71	8804.76	8721.93	8507.03	8585.06	8807.24	8346.92	8694.29	8388.16	8436.74
15:11:00	9150.96	8882.30	8799.29	8582.45	8661.00	8885.22	8419.70	8770.06	8461.44	8510.03
15:12:00	9230.12	8959.83	8876.56	8657.70	8736.95	8963.20	8492.47	8845.74	8534.64	8583.22
15:13:00	9309.28	9037.37	8953.82	8732.95	8812.98	9041.18	8565.25	8921.60	8607.84	8656.51
15:14:00	9388.53	9114.82	9031.00	8808.20	8888.84	9119.08	8638.03	8997.54	8681.20	8729.87
15:15:00	9467.69	9192.35	9108.09	8883.45	8964.61	9196.97	8710.81	9073.40	8754.49	8803.16
15:16:00	9546.85	9269.98	9185.27	8958.78	9040.55	9274.96	8783.58	9149.26	8827.60	8876.44
15:17:00	9626.10	9347.51	9262.54	9034.12	9116.50	9352.94	8856.36	9225.12	8900.71	8949.72
15:18:00	9705.25	9425.05	9339.81	9109.45	9192.44	9430.92	8929.14	9300.98	8973.83	9022.92
15:19:00	9784.32	9502.67	9417.17	9184.79	9268.48	9508.90	9001.92	9376.83	9046.94	9096.12
15:20:00	9863.39	9580.21	9494.52	9260.12	9344.51	9586.89	9074.70	9452.60	9120.06	9169.40
15:21:00	9942.55	9657.65	9571.52	9335.29	9420.45	9664.78	9147.48	9528.29	9193.25	9242.68
15:22:00	10021.80	9735.19	9648.44	9410.36	9496.31	9742.58	9220.34	9604.06	9266.54	9315.96

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
15:23:00	10101.05	9812.72	9725.62	9485.61	9572.26	9820.48	9293.20	9679.92	9339.73	9389.25
15:24:00	10180.30	9890.17	9802.80	9560.77	9648.20	9898.37	9366.06	9755.77	9412.93	9462.53
15:25:00	10259.55	9967.71	9880.06	9636.02	9724.23	9976.26	9438.92	9831.63	9486.21	9535.81
15:26:00	10338.80	10045.33	9957.42	9711.45	9800.35	10054.25	9511.70	9907.40	9559.41	9609.09
15:27:00	10418.05	10122.87	10034.69	9786.70	9876.30	10132.23	9584.56	9983.17	9632.61	9682.46
15:28:00	10497.21	10200.31	10111.96	9861.94	9952.16	10210.12	9657.42	10059.12	9705.98	9755.91
15:29:00	10576.37	10277.76	10189.23	9937.28	10028.10	10288.02	9730.20	10135.06	9779.26	9829.28
15:30:00	10655.62	10355.29	10266.49	10012.70	10104.14	10366.00	9803.06	10210.92	9852.38	9902.56
15:31:00	10734.87	10432.92	10343.85	10088.21	10180.17	10443.98	9875.93	10286.86	9925.57	9975.93
15:32:00	10814.12	10510.54	10421.21	10163.63	10256.20	10521.97	9948.79	10362.81	9998.77	10049.21
15:33:00	10893.37	10588.08	10498.56	10238.88	10332.15	10599.86	10021.73	10438.67	10072.05	10122.49
15:34:00	10972.62	10665.62	10575.83	10314.04	10408.00	10677.75	10094.60	10514.52	10145.42	10195.86
15:35:00	11051.87	10743.15	10653.10	10389.29	10483.95	10755.74	10167.37	10590.47	10218.70	10269.23
15:36:00	11131.03	10820.69	10730.55	10464.72	10560.07	10833.72	10240.24	10666.42	10291.90	10342.59
15:37:00	11210.19	10898.22	10807.99	10540.14	10636.19	10911.70	10313.10	10742.36	10365.10	10415.96
15:38:00	11289.44	10975.76	10885.35	10615.47	10712.22	10989.68	10385.88	10818.31	10438.38	10489.41
15:39:00	11368.69	11053.38	10962.62	10690.72	10788.25	11067.58	10458.74	10894.16	10511.58	10562.70
15:40:00	11447.85	11131.64	11039.98	10765.97	10864.29	11145.83	10531.60	10970.11	10584.86	10636.06
15:41:00	11527.00	11210.80	11117.42	10841.31	10940.50	11224.54	10604.38	11045.97	10658.23	10709.51
15:42:00	11606.25	11290.23	11194.87	10916.64	11016.79	11303.24	10677.07	11121.65	10731.60	10782.88
15:43:00	11685.41	11369.66	11272.31	10991.98	11093.00	11381.86	10749.77	11197.42	10804.96	10856.33
15:44:00	11764.48	11449.10	11349.85	11067.40	11169.29	11460.47	10822.54	11273.28	10878.16	10929.70
15:45:00	11843.64	11528.53	11427.39	11142.91	11245.59	11539.08	10895.24	11349.13	10951.28	11002.98
15:46:00	11922.80	11607.96	11504.74	11218.25	11321.71	11617.61	10967.93	11424.91	11024.47	11076.26
15:47:00	12001.87	11687.39	11582.01	11293.50	11397.83	11696.22	11040.63	11500.59	11097.59	11149.46
15:48:00	12080.94	11766.83	11659.37	11368.92	11474.13	11774.83	11113.32	11576.36	11170.53	11222.66
15:49:00	12160.00	11846.26	11736.81	11444.25	11550.33	11853.45	11186.10	11652.13	11243.65	11295.94

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_1

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp1 ZA46-A	temp2 ZD72-A	temp3 ZD72-B	temp4 ZD72-C	temp5 ZD72-D	temp6 ZD72-E	temp7 YZ90-A	temp8 YI07-A	temp9 YI07-B	temp10 YI07-C
18-Mar-2020										
15:50:00	12239.07	11925.69	11814.26	11519.50	11626.46	11932.06	11258.79	11727.90	11316.93	11369.23
15:51:00	12318.14	12005.13	11891.71	11594.84	11702.66	12010.59	11331.49	11803.76	11390.21	11442.59
15:52:00	12397.21	12084.56	11969.15	11670.26	11778.87	12089.20	11404.27	11879.62	11463.50	11516.04
15:53:00	12476.27	12163.90	12046.60	11745.68	11854.99	12167.82	11477.04	11955.47	11536.78	11589.50
15:54:00	12555.34	12243.24	12124.05	11821.02	11931.20	12246.43	11549.82	12031.33	11609.98	11662.78
15:55:00	12634.41	12322.67	12201.49	11896.35	12007.58	12325.13	11622.60	12107.10	11683.01	11735.89
15:56:00	12713.48	12402.20	12278.94	11971.78	12083.97	12403.84	11695.38	12182.87	11756.04	11809.09
15:56:00	***** Study End *****									

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

13:12:41 ***** Study Start *****

13:12:41 *****Qual*****

13:12:41

13:12:42 29.48 29.75

13:13:00 29.48 29.76

13:14:00 120.15 113.58

13:15:00 134.89 134.37

13:16:00 138.34 138.31

13:17:00 139.30 139.29

13:18:00 139.56 139.57

13:19:00 139.63 139.64

13:20:00 139.66 139.66

13:21:00 139.65 139.67

13:22:00 139.65 139.66

13:23:00 139.65 139.67

13:24:00 139.66 139.67

13:25:00 139.65 139.66

13:26:00 139.66 139.67

13:27:00 139.66 139.67

13:28:00 139.65 139.66

13:29:00 139.66 139.67

13:30:00 139.67 139.67

13:31:00 139.65 139.67

13:32:00 139.66 139.67

13:33:00 139.66 139.67

13:34:00 139.66 139.67

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

13:35:00	139.65	139.67
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13:36:00	139.66	139.67
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13:37:00	139.66	139.67
----------	--------	--------

13:38:00	139.65	139.67
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13:39:00	139.67	139.68
----------	--------	--------

13:40:00	139.66	139.67
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13:41:00	139.65	139.68
----------	--------	--------

13:42:00	139.72	139.74
----------	--------	--------

13:43:00	139.70	139.73
----------	--------	--------

13:44:00	139.69	139.72
----------	--------	--------

13:45:00	139.68	139.70
----------	--------	--------

13:46:00	139.67	139.69
----------	--------	--------

13:47:00	139.67	139.69
----------	--------	--------

13:48:00	139.67	139.69
----------	--------	--------

13:49:00	139.66	139.68
----------	--------	--------

13:50:00	139.67	139.69
----------	--------	--------

13:51:00	139.66	139.68
----------	--------	--------

13:52:00	139.66	139.67
----------	--------	--------

13:53:00	139.66	139.68
----------	--------	--------

13:54:00	139.66	139.68
----------	--------	--------

13:55:00	139.65	139.67
----------	--------	--------

13:56:00	139.66	139.68
----------	--------	--------

13:57:00	139.65	139.68
----------	--------	--------

13:58:00	139.65	139.67
----------	--------	--------

13:59:00	139.67	139.68
----------	--------	--------

14:00:00	139.66	139.68
----------	--------	--------

14:01:00	139.65	139.67
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Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

14:02:00	139.66	139.68
14:03:00	139.65	139.67
14:04:00	139.66	139.67
14:05:00	139.67	139.68
14:06:00	139.66	139.68
14:07:00	139.66	139.68
14:08:00	139.67	139.68
14:09:00	139.65	139.68
14:10:00	139.67	139.68
14:11:00	139.67	139.68
14:12:00	139.65	139.67
14:13:00	139.66	139.67
14:14:00	139.67	139.69
14:15:00	139.66	139.68
14:16:00	139.66	139.68
14:17:00	139.66	139.68
14:18:00	139.67	139.68
14:19:00	139.66	139.68
14:20:00	139.66	139.69
14:21:00	139.65	139.67
14:22:00	139.66	139.68
14:23:00	139.65	139.68
14:24:00	139.65	139.67
14:25:00	139.65	139.67
14:26:00	139.65	139.67
14:27:00	139.66	139.67
14:28:00	139.65	139.67

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

14:29:00	139.65	139.67
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14:30:00	139.64	139.67
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14:31:00	139.65	139.67
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14:32:00	139.66	139.68
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14:33:00	139.64	139.67
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14:34:00	139.64	139.67
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14:35:00	139.66	139.68
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14:36:00	139.65	139.67
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14:37:00	139.65	139.67
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14:38:00	139.66	139.69
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14:39:00	139.65	139.67
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14:40:00	139.64	139.66
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14:41:00	139.66	139.68
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14:42:00	139.65	139.67
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14:43:00	139.64	139.67
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14:44:00	139.66	139.68
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14:45:00	139.66	139.67
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14:46:00	139.65	139.68
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14:47:00	139.65	139.68
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14:48:00	139.64	139.67
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14:49:00	139.64	139.67
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14:50:00	139.66	139.68
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14:51:00	139.64	139.66
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14:52:00	139.65	139.67
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14:53:00	139.65	139.67
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14:54:00	139.65	139.67
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14:55:00	139.66	139.68
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Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

14:56:00	139.66	139.68
14:57:00	139.64	139.66
14:58:00	139.65	139.67
14:59:00	139.65	139.68
15:00:00	139.64	139.67
15:01:00	139.66	139.69
15:02:00	139.65	139.67
15:03:00	139.65	139.67
15:04:00	139.65	139.68
15:05:00	139.65	139.68
15:06:00	139.65	139.68
15:07:00	139.65	139.67
15:08:00	139.67	139.69
15:09:00	139.66	139.68
15:10:00	139.65	139.67
15:11:00	139.65	139.68
15:12:00	139.64	139.67
15:13:00	139.67	139.68
15:14:00	139.65	139.68
15:15:00	139.65	139.67
15:16:00	139.65	139.68
15:17:00	139.66	139.67
15:18:00	139.65	139.67
15:19:00	139.66	139.68
15:20:00	139.65	139.67
15:21:00	139.65	139.67
15:22:00	139.65	139.68

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

15:23:00	139.66	139.68
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15:24:00	139.64	139.67
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15:25:00	139.65	139.68
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15:26:00	139.65	139.68
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15:27:00	139.65	139.68
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15:28:00	139.66	139.69
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15:29:00	139.65	139.67
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15:30:00	139.66	139.68
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15:31:00	139.66	139.69
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15:32:00	139.66	139.68
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15:33:00	139.66	139.67
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15:34:00	139.64	139.68
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15:35:00	139.66	139.69
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15:36:00	139.65	139.68
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15:37:00	139.66	139.69
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15:38:00	139.67	139.69
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15:39:00	139.65	139.67
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15:40:00	139.66	139.68
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15:41:00	139.65	139.67
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15:42:00	139.65	139.67
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15:43:00	139.66	139.67
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15:44:00	139.65	139.68
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15:45:00	139.65	139.68
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15:46:00	139.65	139.67
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15:47:00	139.64	139.67
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15:48:00	139.65	139.67
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15:49:00	139.65	139.67
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Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2	
Asset ID: 10050	SOP / Protocol #: 1
Comments:	Description:

Temperature Data(°C)

Time Stamp	temp51 YI07-D	temp52 YI07-E
18-Mar-2020		
15:50:00	139.66	139.67
15:51:00	139.65	139.68
15:52:00	139.66	139.68
15:53:00	139.65	139.67
15:54:00	139.65	139.67
15:55:00	139.64	139.67
15:56:00	139.65	139.67
15:56:00	***** Study End *****	

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
13:12:41	***** Study Start *****											
13:12:41	*****Qual*****											
13:12:41												00:00:00
13:12:42	29.48	temp51	YI07-D	29.75	temp52	YI07-E	0.27	29.61	0.19	0.14	0.13	00:00:01
13:13:00	29.48	temp51	YI07-D	29.76	temp52	YI07-E	0.28	29.62	0.20	0.14	0.14	00:00:19
13:14:00	113.58	temp52	YI07-E	120.15	temp51	YI07-D	6.57	116.87	4.65	3.28	3.29	00:01:19
13:15:00	134.37	temp52	YI07-E	134.89	temp51	YI07-D	0.52	134.63	0.37	0.26	0.26	00:02:19
13:16:00	138.31	temp52	YI07-E	138.34	temp51	YI07-D	0.03	138.32	0.02	0.02	0.01	00:03:19
13:17:00	139.29	temp52	YI07-E	139.30	temp51	YI07-D	0.01	139.29	0.01	0.01	0.00	00:04:19
13:18:00	139.56	temp51	YI07-D	139.57	temp52	YI07-E	0.01	139.57	0.01	0.00	0.01	00:05:19
13:19:00	139.63	temp51	YI07-D	139.64	temp52	YI07-E	0.01	139.64	0.01	0.00	0.01	00:06:19
13:20:00	139.66	temp51	YI07-D	139.66	temp51	YI07-D	0.00	139.66	0.00	0.00	0.00	00:07:19
13:21:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:08:19
13:22:00	139.65	temp51	YI07-D	139.66	temp52	YI07-E	0.01	139.65	0.01	0.01	0.00	00:09:19
13:23:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:10:19
13:24:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:11:19
13:25:00	139.65	temp51	YI07-D	139.66	temp52	YI07-E	0.01	139.65	0.01	0.01	0.00	00:12:19
13:26:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:13:19
13:27:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:14:19
13:28:00	139.65	temp51	YI07-D	139.66	temp52	YI07-E	0.01	139.65	0.01	0.01	0.00	00:15:19
13:29:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:16:19
13:30:00	139.67	temp51	YI07-D	139.67	temp51	YI07-D	0.00	139.67	0.00	0.00	0.00	00:17:19
13:31:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:18:19
13:32:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:19:19
13:33:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:20:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
13:34:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:21:19
13:35:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:22:19
13:36:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:23:19
13:37:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:24:19
13:38:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:25:19
13:39:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	00:26:19
13:40:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:27:19
13:41:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	00:28:19
13:42:00	139.72	temp51	YI07-D	139.74	temp52	YI07-E	0.02	139.73	0.01	0.01	0.01	00:29:19
13:43:00	139.70	temp51	YI07-D	139.73	temp52	YI07-E	0.03	139.71	0.02	0.02	0.01	00:30:19
13:44:00	139.69	temp51	YI07-D	139.72	temp52	YI07-E	0.03	139.71	0.02	0.01	0.02	00:31:19
13:45:00	139.68	temp51	YI07-D	139.70	temp52	YI07-E	0.02	139.69	0.01	0.01	0.01	00:32:19
13:46:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	00:33:19
13:47:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	00:34:19
13:48:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	00:35:19
13:49:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:36:19
13:50:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	00:37:19
13:51:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:38:19
13:52:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:39:19
13:53:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:40:19
13:54:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:41:19
13:55:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:42:19
13:56:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:43:19
13:57:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	00:44:19
13:58:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:45:19
13:59:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	00:46:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
14:00:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:47:19
14:01:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:48:19
14:02:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:49:19
14:03:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:50:19
14:04:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	00:51:19
14:05:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	00:52:19
14:06:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:53:19
14:07:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	00:54:19
14:08:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	00:55:19
14:09:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	00:56:19
14:10:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	00:57:19
14:11:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	00:58:19
14:12:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	00:59:19
14:13:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	01:00:19
14:14:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	01:01:19
14:15:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:02:19
14:16:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:03:19
14:17:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:04:19
14:18:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	01:05:19
14:19:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:06:19
14:20:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	01:07:19
14:21:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:08:19
14:22:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:09:19
14:23:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:10:19
14:24:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:11:19
14:25:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:12:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
14:26:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:13:19
14:27:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	01:14:19
14:28:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:15:19
14:29:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:16:19
14:30:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:17:19
14:31:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:18:19
14:32:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:19:19
14:33:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:20:19
14:34:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:21:19
14:35:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:22:19
14:36:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:23:19
14:37:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:24:19
14:38:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	01:25:19
14:39:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:26:19
14:40:00	139.64	temp51	YI07-D	139.66	temp52	YI07-E	0.02	139.65	0.01	0.01	0.01	01:27:19
14:41:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:28:19
14:42:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:29:19
14:43:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:30:19
14:44:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:31:19
14:45:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	01:32:19
14:46:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:33:19
14:47:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:34:19
14:48:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:35:19
14:49:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:36:19
14:50:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:37:19
14:51:00	139.64	temp51	YI07-D	139.66	temp52	YI07-E	0.02	139.65	0.01	0.01	0.01	01:38:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
14:52:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:39:19
14:53:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:40:19
14:54:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:41:19
14:55:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:42:19
14:56:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:43:19
14:57:00	139.64	temp51	YI07-D	139.66	temp52	YI07-E	0.02	139.65	0.01	0.01	0.01	01:44:19
14:58:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:45:19
14:59:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:46:19
15:00:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:47:19
15:01:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	01:48:19
15:02:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:49:19
15:03:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:50:19
15:04:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:51:19
15:05:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:52:19
15:06:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:53:19
15:07:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:54:19
15:08:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	01:55:19
15:09:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	01:56:19
15:10:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	01:57:19
15:11:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	01:58:19
15:12:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	01:59:19
15:13:00	139.67	temp51	YI07-D	139.68	temp52	YI07-E	0.01	139.67	0.01	0.01	0.00	02:00:19
15:14:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:01:19
15:15:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:02:19
15:16:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:03:19
15:17:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	02:04:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
15:18:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:05:19
15:19:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	02:06:19
15:20:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:07:19
15:21:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:08:19
15:22:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:09:19
15:23:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	02:10:19
15:24:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	02:11:19
15:25:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:12:19
15:26:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:13:19
15:27:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:14:19
15:28:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	02:15:19
15:29:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:16:19
15:30:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	02:17:19
15:31:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	02:18:19
15:32:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	02:19:19
15:33:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	02:20:19
15:34:00	139.64	temp51	YI07-D	139.68	temp52	YI07-E	0.04	139.66	0.03	0.02	0.02	02:21:19
15:35:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	02:22:19
15:36:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:23:19
15:37:00	139.66	temp51	YI07-D	139.69	temp52	YI07-E	0.03	139.68	0.02	0.01	0.02	02:24:19
15:38:00	139.67	temp51	YI07-D	139.69	temp52	YI07-E	0.02	139.68	0.01	0.01	0.01	02:25:19
15:39:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:26:19
15:40:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	02:27:19
15:41:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:28:19
15:42:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:29:19
15:43:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	02:30:19

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

AssetID: 10050

SOP / Protocol #: 1

Comments:

Description:

Temperature Data(°C) - Statistical Calculations

Time Stamp	MIN			MAX			Max-Min	Avg	Std Dev	Max-Avg	Avg-Min	CycleTime
	Value	Label	S/N	Value	Label	S/N						
18-Mar-2020												
15:44:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:31:19
15:45:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:32:19
15:46:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:33:19
15:47:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	02:34:19
15:48:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:35:19
15:49:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:36:19
15:50:00	139.66	temp51	YI07-D	139.67	temp52	YI07-E	0.01	139.67	0.01	0.00	0.01	02:37:19
15:51:00	139.65	temp51	YI07-D	139.68	temp52	YI07-E	0.03	139.66	0.02	0.02	0.01	02:38:19
15:52:00	139.66	temp51	YI07-D	139.68	temp52	YI07-E	0.02	139.67	0.01	0.01	0.01	02:39:19
15:53:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:40:19
15:54:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:41:19
15:55:00	139.64	temp51	YI07-D	139.67	temp52	YI07-E	0.03	139.65	0.02	0.02	0.01	02:42:19
15:56:00	139.65	temp51	YI07-D	139.67	temp52	YI07-E	0.02	139.66	0.01	0.01	0.01	02:43:19
15:56:00	***** Study End *****											

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

13:12:41 ***** Study Start *****

13:12:41 *****Qual*****

13:12:41 0.00 0.00

13:12:42 0.00 0.00

13:13:00 0.00 0.00

13:14:00 0.40 0.09

13:15:00 12.77 10.79

13:16:00 51.22 47.71

13:17:00 110.74 106.97

13:18:00 178.85 175.08

13:19:00 249.56 245.96

13:20:00 321.09 317.58

13:21:00 392.79 389.44

13:22:00 464.40 461.30

13:23:00 536.02 533.16

13:24:00 607.72 605.11

13:25:00 679.41 676.97

13:26:00 751.11 748.83

13:27:00 822.89 820.78

13:28:00 894.59 892.64

13:29:00 966.28 964.50

13:30:00 1038.14 1036.44

13:31:00 1109.92 1108.39

13:32:00 1181.62 1180.33

13:33:00 1253.40 1252.28

13:34:00 1325.18 1324.22

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

13:35:00	1396.88	1396.17
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13:36:00	1468.57	1468.11
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13:37:00	1540.35	1540.06
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13:38:00	1612.05	1612.00
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13:39:00	1683.83	1684.03
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13:40:00	1755.69	1756.06
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13:41:00	1827.39	1828.09
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13:42:00	1899.58	1900.70
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13:43:00	1972.19	1973.73
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13:44:00	2044.56	2046.59
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13:45:00	2116.75	2119.20
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13:46:00	2188.78	2191.56
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13:47:00	2260.72	2263.84
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13:48:00	2332.67	2336.12
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13:49:00	2404.53	2408.31
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13:50:00	2476.39	2480.50
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13:51:00	2548.25	2552.70
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13:52:00	2620.03	2624.73
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13:53:00	2691.81	2696.75
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13:54:00	2763.59	2768.86
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13:55:00	2835.29	2840.89
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13:56:00	2906.99	2912.92
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13:57:00	2978.68	2985.03
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13:58:00	3050.30	3057.06
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13:59:00	3122.08	3129.09
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14:00:00	3193.94	3201.20
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14:01:00	3265.64	3273.22
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Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

14:02:00	3337.33	3345.25
14:03:00	3409.03	3417.28
14:04:00	3480.73	3489.23
14:05:00	3552.59	3561.25
14:06:00	3624.45	3633.36
14:07:00	3696.23	3705.47
14:08:00	3768.09	3777.58
14:09:00	3839.87	3849.70
14:10:00	3911.65	3921.80
14:11:00	3983.60	3993.92
14:12:00	4055.38	4065.94
14:13:00	4127.07	4137.89
14:14:00	4198.94	4210.00
14:15:00	4270.80	4282.19
14:16:00	4342.58	4354.30
14:17:00	4414.36	4426.42
14:18:00	4486.22	4498.52
14:19:00	4558.08	4570.64
14:20:00	4629.86	4642.83
14:21:00	4701.56	4714.94
14:22:00	4773.25	4786.97
14:23:00	4844.95	4859.08
14:24:00	4916.56	4931.11
14:25:00	4988.18	5003.05
14:26:00	5059.79	5075.00
14:27:00	5131.49	5146.94
14:28:00	5203.19	5218.89

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

14:29:00	5274.80	5290.83
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14:30:00	5346.33	5362.78
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14:31:00	5417.87	5434.72
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14:32:00	5489.56	5506.75
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14:33:00	5561.18	5578.78
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14:34:00	5632.63	5650.72
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14:35:00	5704.24	5722.75
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14:36:00	5775.94	5794.78
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14:37:00	5847.55	5866.72
----------	---------	---------

14:38:00	5919.25	5938.83
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14:39:00	5990.95	6010.94
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14:40:00	6062.48	6082.81
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14:41:00	6134.09	6154.75
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14:42:00	6205.79	6226.78
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14:43:00	6277.32	6298.72
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14:44:00	6348.94	6370.75
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14:45:00	6420.71	6442.78
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14:46:00	6492.41	6514.81
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14:47:00	6564.03	6586.92
----------	---------	---------

14:48:00	6635.56	6658.94
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14:49:00	6707.01	6730.89
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14:50:00	6778.62	6802.92
----------	---------	---------

14:51:00	6850.24	6874.86
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14:52:00	6921.77	6946.73
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14:53:00	6993.38	7018.67
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14:54:00	7065.00	7090.62
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14:55:00	7136.69	7162.64
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Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

14:56:00	7208.47	7234.75
14:57:00	7280.09	7306.70
14:58:00	7351.62	7378.56
14:59:00	7423.23	7450.59
15:00:00	7494.77	7522.62
15:01:00	7566.38	7594.73
15:02:00	7638.08	7666.84
15:03:00	7709.69	7738.78
15:04:00	7781.31	7810.81
15:05:00	7852.92	7882.92
15:06:00	7924.54	7955.03
15:07:00	7996.15	8027.06
15:08:00	8067.93	8099.17
15:09:00	8139.79	8171.36
15:10:00	8211.49	8243.39
15:11:00	8283.10	8315.42
15:12:00	8354.63	8387.45
15:13:00	8426.33	8459.48
15:14:00	8498.11	8531.59
15:15:00	8569.72	8603.61
15:16:00	8641.34	8675.64
15:17:00	8713.04	8747.67
15:18:00	8784.73	8819.61
15:19:00	8856.43	8891.64
15:20:00	8928.13	8963.67
15:21:00	8999.74	9035.61
15:22:00	9071.36	9107.64

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2

Asset ID: 10050

SOP / Protocol #: 1

Comments:

Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
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18-Mar-2020

15:23:00	9143.05	9179.75
15:24:00	9214.67	9251.78
15:25:00	9286.20	9323.81
15:26:00	9357.81	9395.92
15:27:00	9429.43	9468.03
15:28:00	9501.12	9540.22
15:29:00	9572.82	9612.33
15:30:00	9644.52	9684.36
15:31:00	9716.30	9756.56
15:32:00	9788.08	9828.75
15:33:00	9859.86	9900.78
15:34:00	9931.47	9972.81
15:35:00	10003.08	10045.00
15:36:00	10074.78	10117.19
15:37:00	10146.48	10189.39
15:38:00	10218.34	10261.66
15:39:00	10290.12	10333.78
15:40:00	10361.82	10405.80
15:41:00	10433.51	10477.83
15:42:00	10505.13	10549.78
15:43:00	10576.83	10621.72
15:44:00	10648.52	10693.75
15:45:00	10720.14	10765.86
15:46:00	10791.75	10837.89
15:47:00	10863.28	10909.83
15:48:00	10934.81	10981.78
15:49:00	11006.43	11053.72

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Temperature_2	
Asset ID: 10050	SOP / Protocol #: 1
Comments:	Description:

Lethality Data

Time Stamp	temp51 YI07-D	temp52 YI07-E
18-Mar-2020		
15:50:00	11078.13	11125.67
15:51:00	11149.82	11197.69
15:52:00	11221.52	11269.80
15:53:00	11293.22	11341.83
15:54:00	11364.83	11413.78
15:55:00	11436.36	11485.72
15:56:00	11507.89	11557.67
15:56:00	***** Study End *****	

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____

Study Name: manual 1 min sampling

Comments

System Messages

18-Mar-2020 13:12:41	***Study Start***	Manual	a
18-Mar-2020 13:12:41	ZA46_Start	Manual	
18-Mar-2020 13:12:41	YZ90_Start	Manual	
18-Mar-2020 13:12:42	ZD72_Start	Manual	
18-Mar-2020 13:12:42	YI07_Start	Manual	
18-Mar-2020 15:56:00	ZA46_End	Manual	
18-Mar-2020 15:56:00	ZD72_End	Manual	
18-Mar-2020 15:56:00	YZ90_End	Manual	
18-Mar-2020 15:56:00	YI07_End	Manual	
18-Mar-2020 15:56:00	***Study End***	Manual	a

Performed By: _____

Date: _____

Reviewed By: _____

Date: _____