

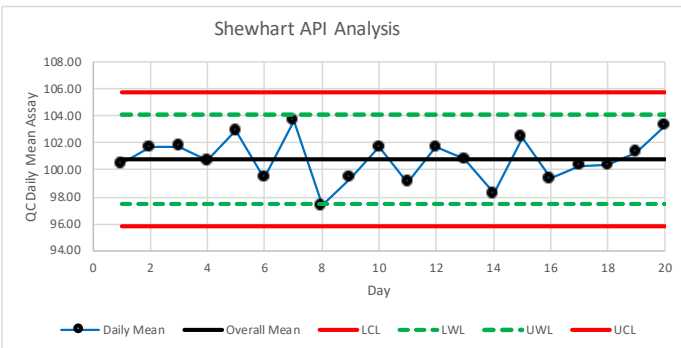
## Original Data

Day	QC1	QC2	QC3	QC4	QC5	QC6	QC7	QC8	QC9	QC10
1	98.3	102.5	108.7	103.5	96.9	100.4	106.0	100.6	93.8	94.0
2	102.9	98.7	101.7	96.4	103.2	96.9	113.0	103.5	96.2	104.5
3	109.7	93.8	107.0	100.2	104.2	100.6	99.3	104.4	103.4	94.5
4	101.2	103.1	98.4	101.5	99.1	95.7	112.9	106.2	91.6	96.9
5	98.3	105.4	94.2	103.9	106.4	99.9	103.2	113.0	109.7	94.7
6	100.3	106.0	100.5	100.7	109.0	91.9	91.4	91.3	97.7	105.6
7	105.8	96.2	108.9	101.6	109.6	101.9	95.2	107.0	107.0	103.1
8	100.5	94.9	96.1	96.0	95.7	100.5	86.9	96.5	100.2	106.6
9	91.6	91.4	91.3	97.7	105.6	100.7	107.5	96.5	104.2	107.8
10	106.0	96.5	90.4	102.7	96.2	109.0	104.5	106.0	100.6	105.0
11	100.5	96.5	93.8	94.0	101.7	91.9	104.6	109.6	99.3	99.0
12	100.7	111.6	102.9	104.5	96.4	91.4	101.5	99.1	95.7	112.9
13	109.0	96.4	106.2	107.5	103.2	91.3	99.0	99.1	90.4	106.1
14	91.9	106.0	103.5	109.7	96.9	97.7	96.5	87.2	95.4	97.5
15	94.9	104.5	96.5	105.6	113.0	109.7	94.7	97.9	105.8	101.3
16	91.3	98.3	102.5	108.7	103.5	96.9	104.0	99.9	87.3	101.2
17	97.7	104.6	95.8	106.4	96.2	99.9	100.2	93.6	101.8	106.8
18	105.6	94.1	96.2	94.9	104.5	96.5	105.6	100.6	102.8	102.7
19	108.0	93.6	101.8	113.8	105.7	87.2	104.4	97.0	102.2	99.4
20	105.7	104.7	106.8	104.1	106.3	100.5	98.1	95.4	108.3	102.8

Overall Mean 100.8 StdDev Mean 1.652847304						
Day	Daily Mean	Overall Mean	LCL	LWL	UWL	UCL
1	100.47	100.79	95.83	97.48	104.09	105.75
2	101.70	100.79	95.83	97.48	104.09	105.75
3	101.71	100.79	95.83	97.48	104.09	105.75
4	100.66	100.79	95.83	97.48	104.09	105.75
5	102.87	100.79	95.83	97.48	104.09	105.75
6	99.44	100.79	95.83	97.48	104.09	105.75
7	103.63	100.79	95.83	97.48	104.09	105.75
8	97.39	100.79	95.83	97.48	104.09	105.75
9	99.43	100.79	95.83	97.48	104.09	105.75
10	101.69	100.79	95.83	97.48	104.09	105.75
11	99.09	100.79	95.83	97.48	104.09	105.75
12	101.67	100.79	95.83	97.48	104.09	105.75
13	100.82	100.79	95.83	97.48	104.09	105.75
14	98.23	100.79	95.83	97.48	104.09	105.75
15	102.39	100.79	95.83	97.48	104.09	105.75
16	99.36	100.79	95.83	97.48	104.09	105.75
17	100.30	100.79	95.83	97.48	104.09	105.75
18	100.35	100.79	95.83	97.48	104.09	105.75
19	101.31	100.79	95.83	97.48	104.09	105.75
20	103.27	100.79	95.83	97.48	104.09	105.75

Overall Range Mean 17.9 StdDev Range Mean 3.665830846				
Day	Daily Range	Overall Range Mean	UWL	UCL
1	14.9	17.94	25.27	28.94
2	16.8	17.94	25.27	28.94
3	15.9	17.94	25.27	28.94
4	21.3	17.94	25.27	28.94
5	18.8	17.94	25.27	28.94
6	17.7	17.94	25.27	28.94
7	14.4	17.94	25.27	28.94
8	19.7	17.94	25.27	28.94
9	16.5	17.94	25.27	28.94
10	18.6	17.94	25.27	28.94
11	17.7	17.94	25.27	28.94
12	21.5	17.94	25.27	28.94
13	18.6	17.94	25.27	28.94
14	22.5	17.94	25.27	28.94
15	18.3	17.94	25.27	28.94
16	21.4	17.94	25.27	28.94
17	13.2	17.94	25.27	28.94
18	11.5	17.94	25.27	28.94
19	26.6	17.94	25.27	28.94
20	12.9	17.94	25.27	28.94

## Mean Control Chart



## Range Control Chart

