Data for Chlorides determination

Qtest		Q		Confidence Interval
32.56	30.1	0.351429	Q1	30.1
35.14	32.56			32.56
34.1	33.33			33.33
33.33	34.1			34.1
37.1	34.45			34.45
34.45	35.12			35.12
35.12	35.14			35.14
30.1	37.1	0.28	Q1	37.1
alpha=	0.05			
range=	7			8
Qcrit=	0.526			

<30.1:35.14>

Q1<Qcrit null hypothesis is accepted
Q2<Qcrit null hypothesis is accepted
no outliers

N	Q_{crit} (CL:90%)	Q_{crit} (CL:95%)	Q_{crit} (CL:99%)
3	0.941	0.970	0.994
4	0.765	0.829	0.926
5	0.642	0.710	0.821
6	0.560	0.625	0.740
7	0.507	0.568	0.680
8	0.468	0.526	0.634
9	0.437	0.493	0.598
10	0.412	0.466	0.568

n	j	k
$n \leq 5$: no confidence interval possit		
6	1	6
7	1	7
8	1	7
9	2	8
10	2	9
11	2	10
12	3	10
13	3	11
14	3	11
15	4	12
16	4	12
17	5	13
18	5	14
19	5	15
20	6	15

Student's CI
30.1
32.56
33.33
34.1
34.45
35.12
35.14
37.1

This chart isn't available in your version of Excel.

Editing this shape or saving this workbook into a different file format will permanently break the chart.

N=	8
Mean	33.9875
S=	2.073911
alpha	0.05
t=	2.364624
s.e.m=	0.733238
L1=	32.25
L2=	35.72

<35,25:35,72>

$$\left\langle \overline{x} - t_{(\alpha, n-1)} * \frac{s}{\sqrt{n}} \; ; \; \overline{x} + t_{(\alpha, n-1)} * \frac{s}{\sqrt{n}} \right\rangle$$

p
ble.
0.969
0.984
0.961
0.961
0.979
0.988
0.961
0.978
0.965
0.965
0.951
0.951
0.969
0.981
0.959

Grubbs Test

30.1
32.56
33.33
34.1
34.45
35.12
35.14
37.1

Min=	30.1
Max=	37.1
Mean=	33.9875
St.D=	2.073911
MIN=	1.874478
MAX=	1.500788
Crit=	2.13
MIN<Crit	null hypothesis is accepted
MAX<Crit	null hypothesis is accepted
	no outliers