PREDICTING THE ALLOWABLE LIMIT FOR FIBERGLASS SYSTEMS, LP

Data Set	*ln(x)*
3.2	1.16315081
50	3.91202301
20	2.99573227
20	2.99573227
20	2.99573227
44	3.78418963
35	3.55534806
5.7	1.74046617
28	3.33220451
82	4.40671925
20	2.99573227
48	3.87120101
45	3.80666249
41	3.71357207
61	4.11087386
32	3.4657359
2.1	0.74193734
57	4.04305127
25	3.21887582
84	4.4308168
75	4.31748811
23	3.13549422
56	4.02535169

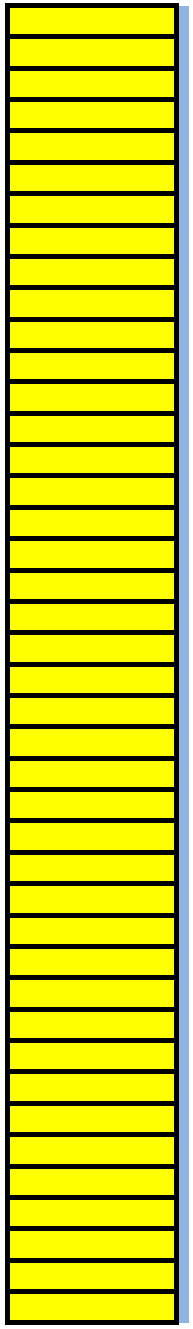
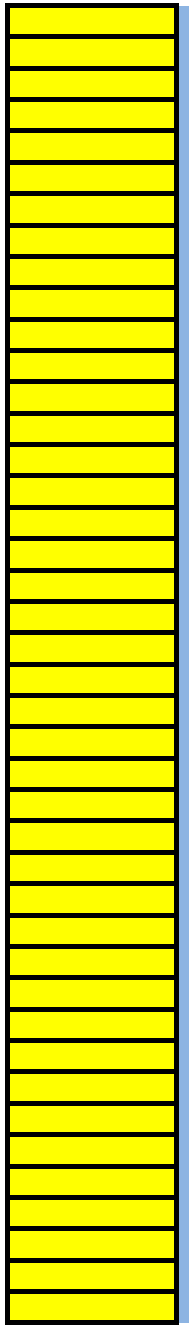
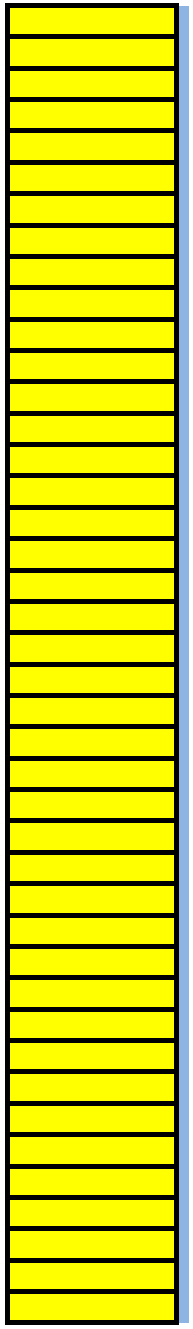
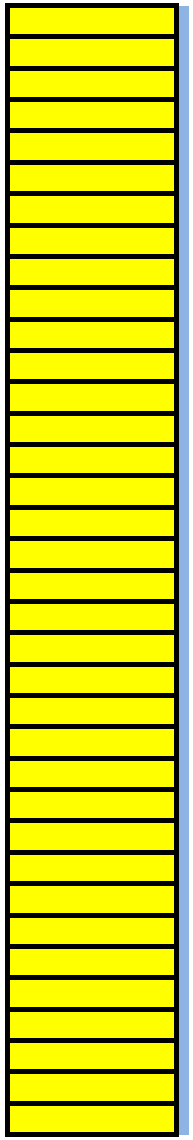
Total Residual Zinc

Number of Data Points*	23	
Enter Percentile	0.95	(Note: Enter in decimal form, e.g. 0.95)
Allowable Limit**	81.300	" For a normal distribution"
ln(x) value at percentile	4.39779613	
Allowable Limit**	81.272	"For a lognormal distribution"

*Enter the data in column A starting with Cell A5; the spreadsheet will count the number of entries. Enter up to 200 data points. Data can be entered at random in any cell in the column.

**This calculated value indicates the limit which will have the entered percentage (percentile) of data points below the "Alllowable Limit". In other words, this limit represents the "confidence" that a permittee will be capable of compliance based on the percentile.

***Possible Outliers: The user should review all values more than two standard deviations from the mean (Ref: Chauvenet's criterion).

Outliers*

Average =	38.13043	
Std Dev =	23.17302	
Min Value =	2.1	Outlier??
Ave-2*SD =	-8.21561	
Max Value =	84	
Ave+2*SD =	84.47648