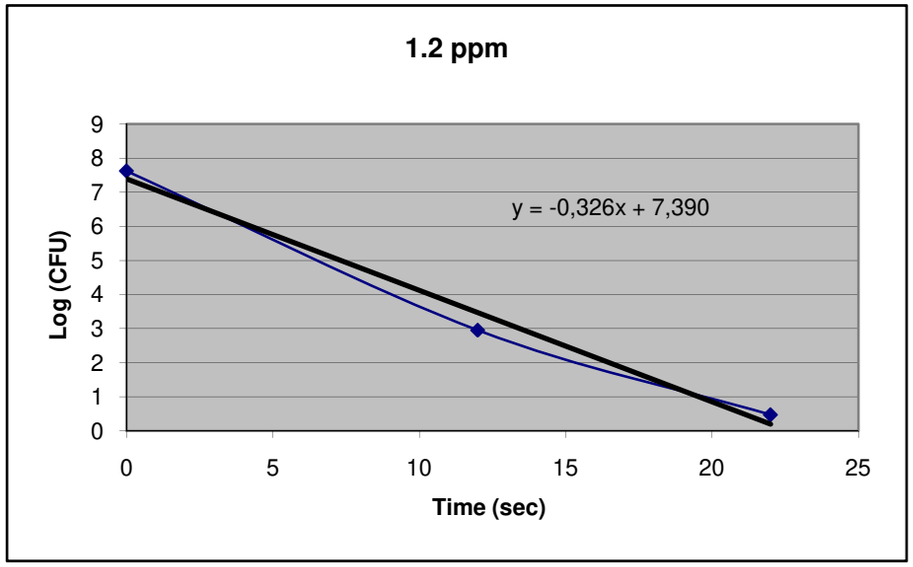
1.2 ppm

Time (sec)	CFU	Log (CFU)
0	4,20E+07	7,623249
12	9,00E+02	2,954243
22	3	0,477121

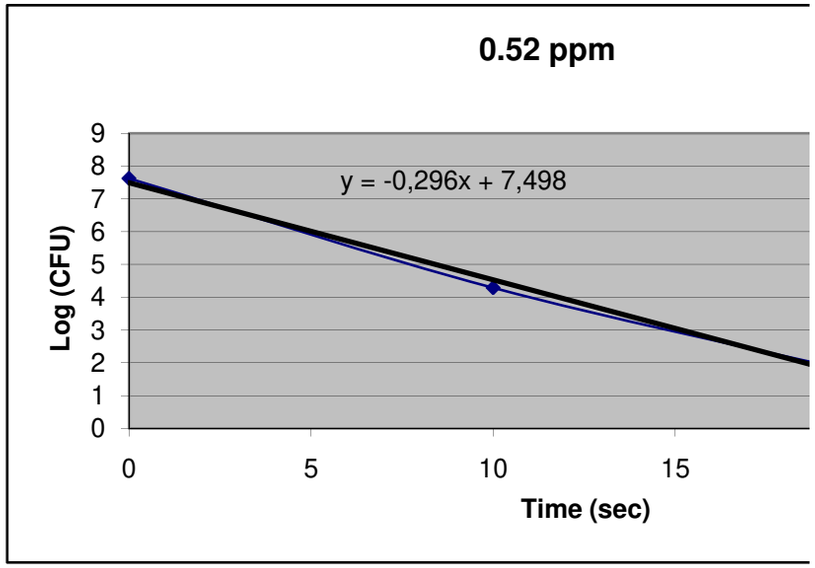
D = 3,06 sec



0.52 ppm

Time (sec)	CFU	Log (CFU)
0	4,20E+07	7,62324929
10	1,94E+04	4,28780173
20	50	1,698970004

D = 3,38 sec



0.2 ppm

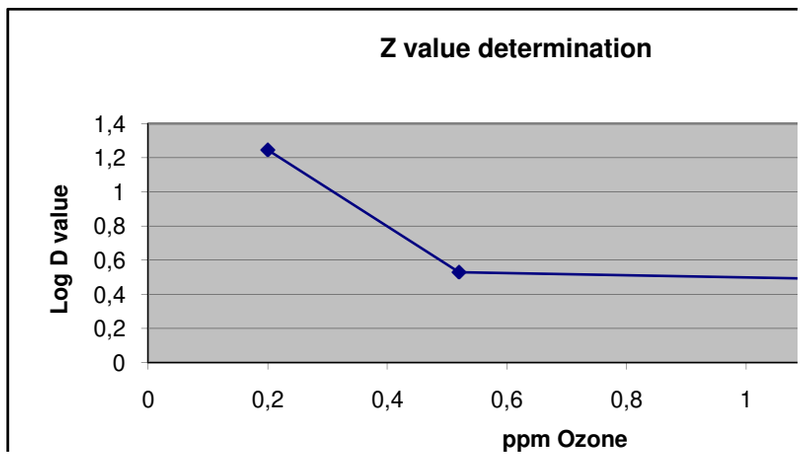
Time (sec)	CFU
0	4,20E+07
15	8,60E+06
50	66000

D = 17,59

$$D = \frac{F}{\log \frac{No}{Nf}}$$

F= tiempo de tratamiento

Ozone (ppm)	D value (sec)	log D
1,2	3,06	0,485721426
0,52	3,38	0,5289167
0,2	17,59	1,245265839



Second Try

1.2 ppm

Time (sec)	CFU	Log (CFU)
0	4,50E+07	7,653213
12	9,90E+02	2,995635
22	1	0

D = 2,86 sec

0.52 ppm

Time (sec)	CFU	Log (CFU)
0	4,50E+07	7,653212514
10	2,00E+04	4,301029996
20	61	1,785329835

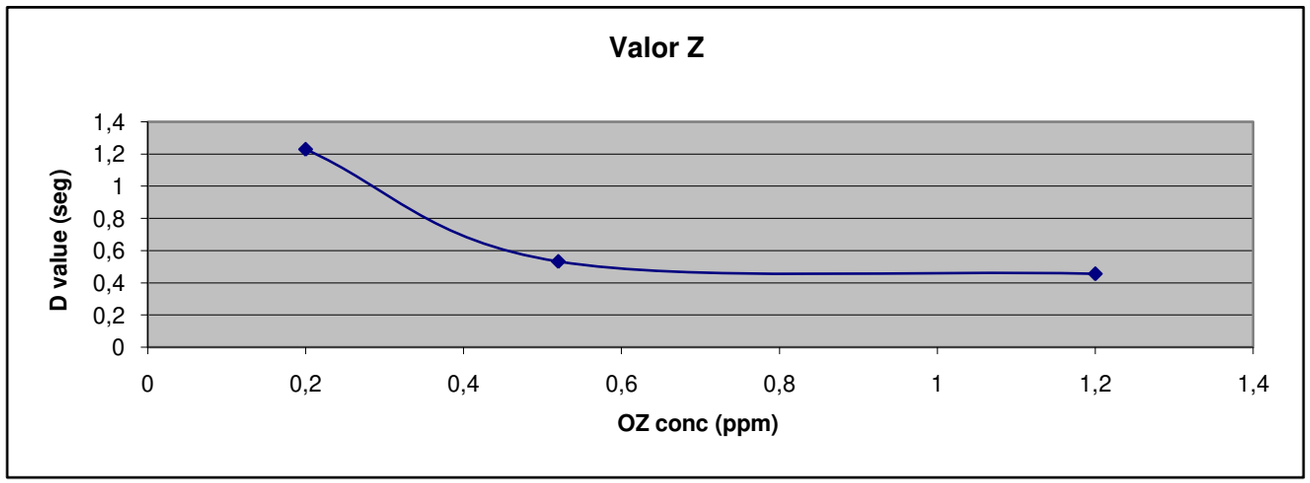
D = 3,41 sec

0.2 ppm

Time (sec)	CFU
0	4,50E+07
15	8,00E+06
50	54000

D = 16,93

Oz conc	1,2	0,52	0,2
Valor D	2,86	3,41	16,93
Log D	0,45636603	0,532754	1,228657



El analisis ANOVA para disenos de bloques fue utilizado para determinar si existe diferencia significativa entre el primer y segundo experimento

1st step contrast procedure: ANOVA TABLE for RAMDOMIZED COMPLETE BLOCK DESIGN (RCBD):

		ozone concentration				
Intento		1,2	0,52	0,2	Total	
	1	3,06	3,38	17,59	24,03	
	2	2,86	3,41	16,93	23,2	
Total		5,92	6,79	34,52	**47,23**	7,871666667

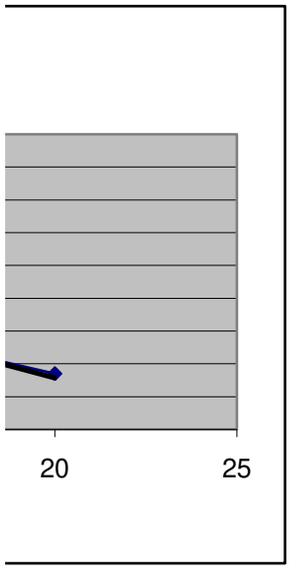
ANOVA RCBD

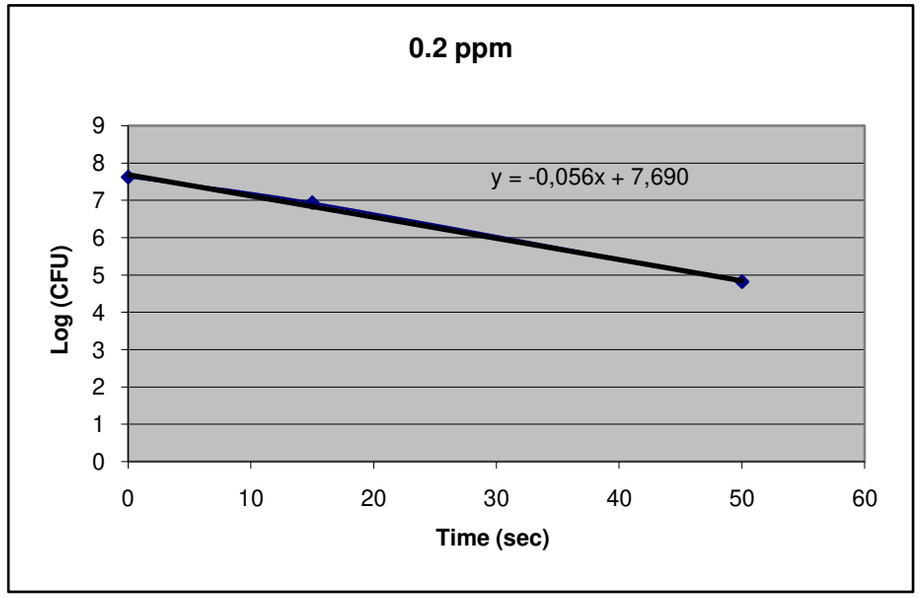
Fuente	**GL**	**SS**	**MS**	**F**	**F critico 5%**
Oz conc.	2	264,6116	132,305817	2143,761545	19
Intento	1	0,114817	0,11481667	1,860383473	18,51
Error	2	0,123433	0,06171667		
Total	5	264,8499			

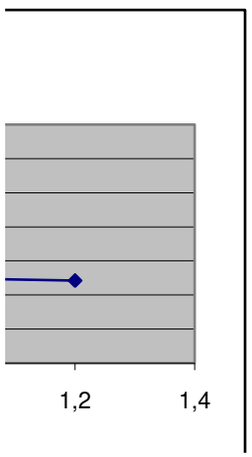
Como el valor F de OZ conc. Es mayor que el F critico, el efecto de OZ concentration es significativo al 5%
Como el valor F de los intentos es menor al F critico entonces no hay diferencia significativa entre los dos experimentos realizados!!!!!!!! (good news!!!!

Log (CFU)
7,623249
6,934498
4,819544

sec







Log (CFU)
7,653213
6,90309
4,732394

sec

)