





























































































































































































































































































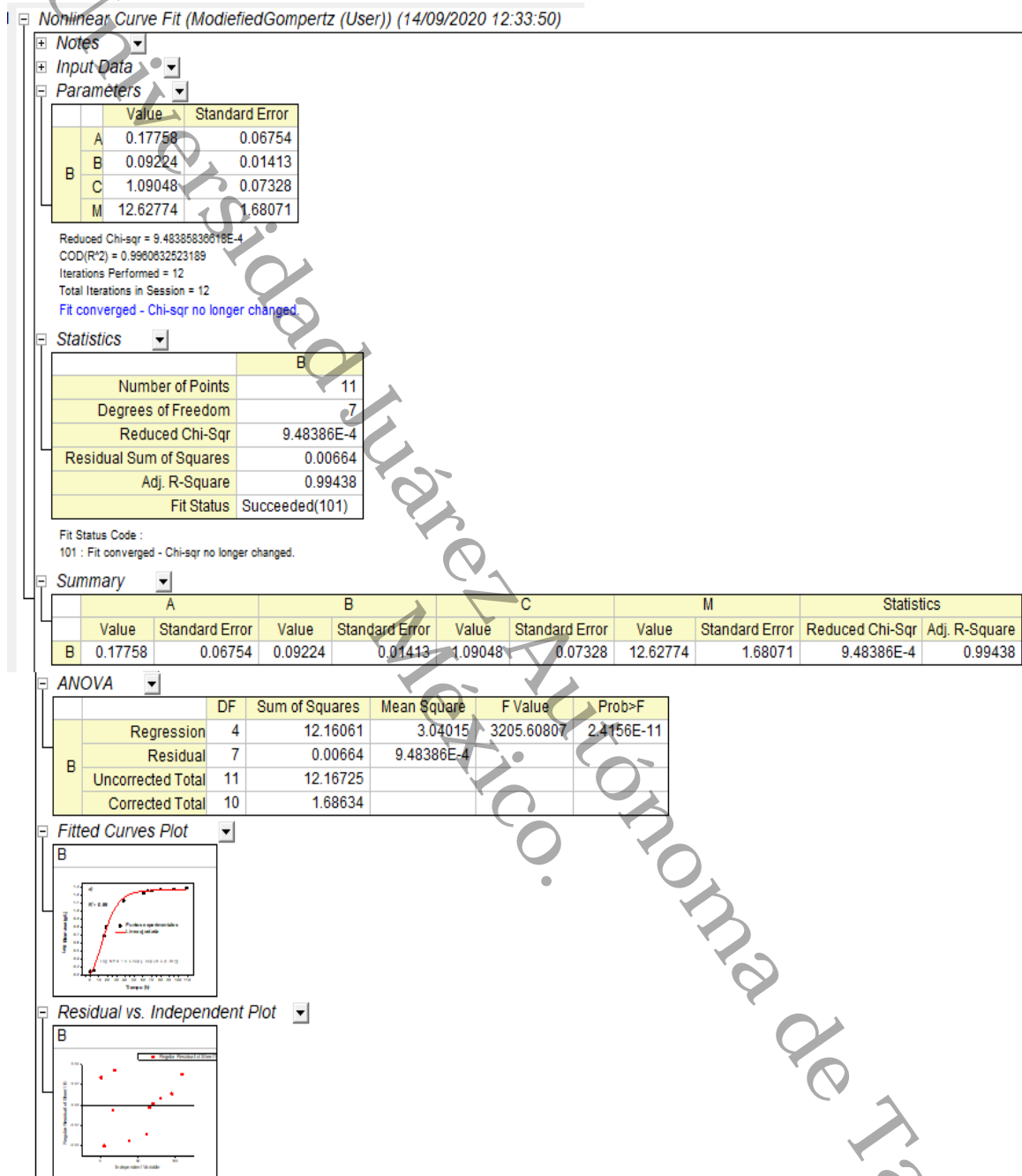








Tratamiento B520



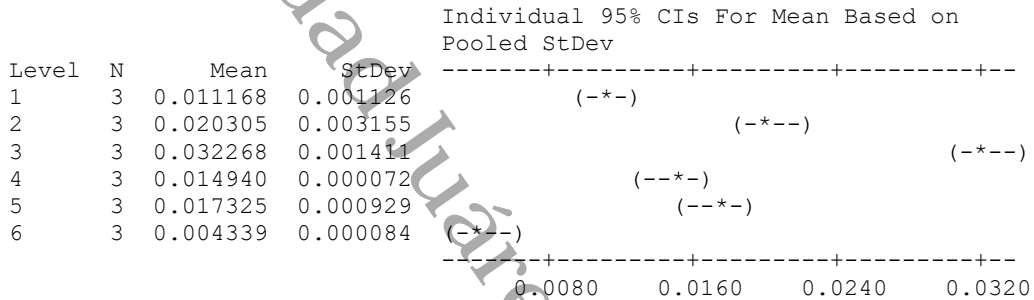


## ANEXO B. Análisis de varianza y prueba de medias: Efecto de C/N sobre el crecimiento de biomasa bacteriana

### One-way ANOVA: $\mu_{max}$ versus Trat

Source	DF	SS	MS	F	P
Trat	5	0.0013267	0.0002653	113.00	0.000
Error	12	0.0000282	0.0000023		
Total	17	0.0013549			

S = 0.001532    R-Sq = 97.92%    R-Sq(adj) = 97.05%



Pooled StDev = 0.001532

#### Grouping Information Using Tukey Method

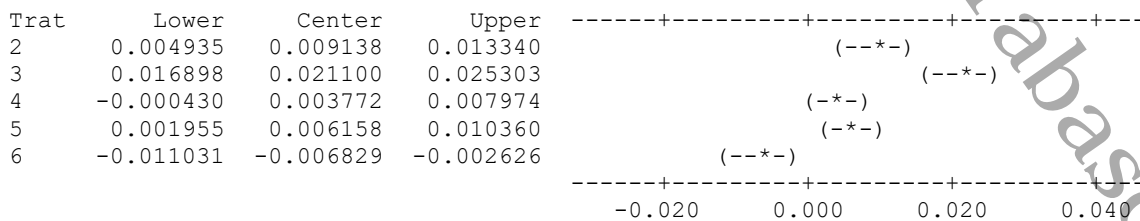
Trat	N	Mean	Grouping
3	3	0.032268	A
2	3	0.020305	B
5	3	0.017325	B C
4	3	0.014940	C D
1	3	0.011168	D
6	3	0.004339	E

Means that do not share a letter are significantly different.

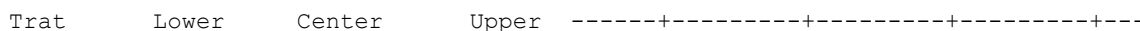
Tukey 95% Simultaneous Confidence Intervals  
All Pairwise Comparisons among Levels of Trat

Individual confidence level = 99.43%

Trat = 1 subtracted from:

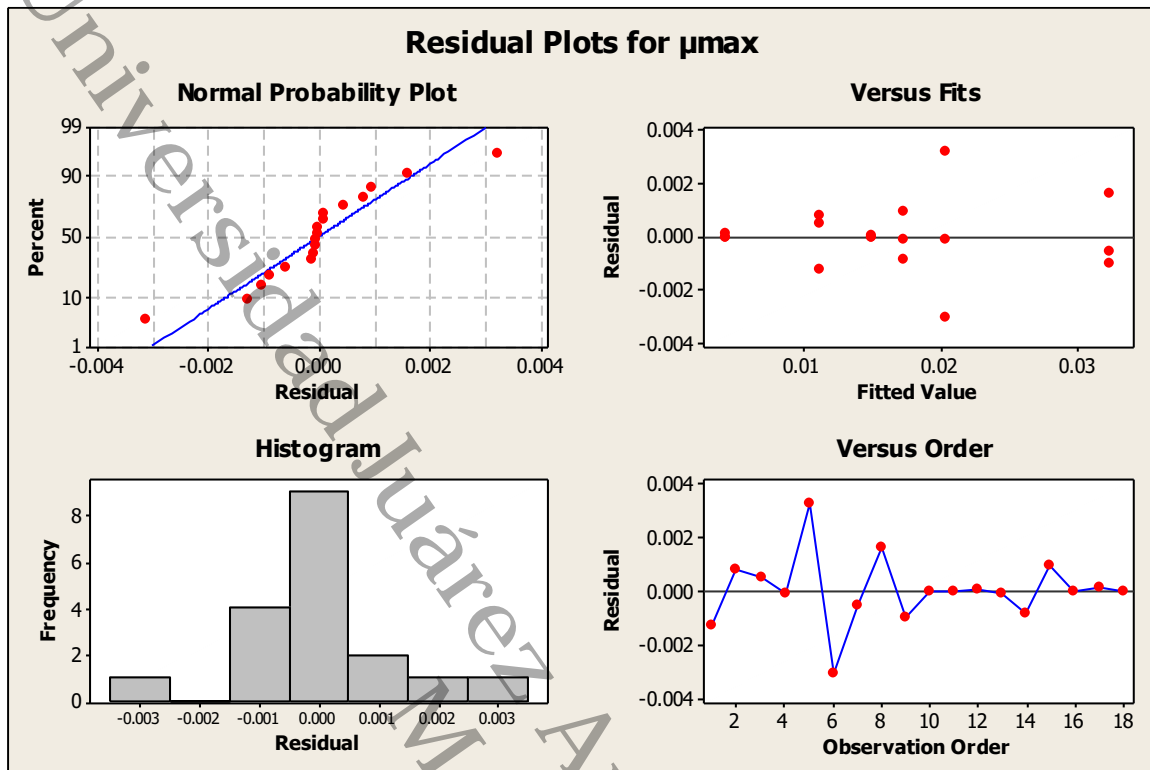


Trat = 2 subtracted from:





Residual Plots for  $\mu_{max}$



ANEXO C. Eficiencia de degradación

Interaction Plot for % eficiencia

Two-way ANOVA: % eficiencia versus Tiempo, Tratamiento

Source	DF	SS	MS	F	P
Tiempo	4	75205.7	18801.4	1624.73	0.000
Tratamiento	4	928.8	232.2	20.07	0.000
Interaction	16	2984.7	186.5	16.12	0.000
Error	50	578.6	11.6		
Total	74	79697.8			

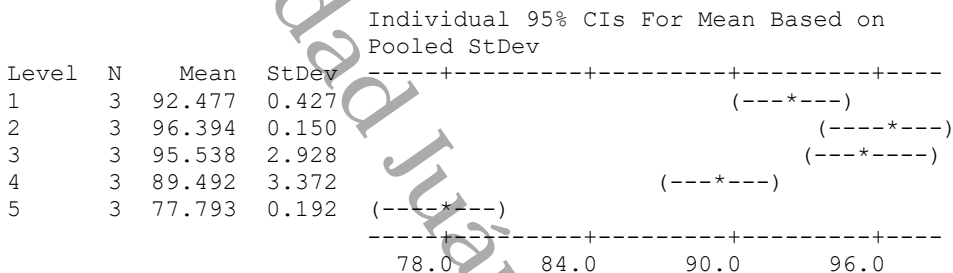
S = 3.402    R-Sq = 99.27%    R-Sq(adj) = 98.93%

## ANEXO D. Eficiencia de degradación del tiempo 60

### One-way ANOVA: % eficiencia versus Tratamiento

Source	DF	SS	MS	F	P
Tratamiento	4	679.16	169.79	42.06	0.000
Error	10	40.37	4.04		
Total	14	719.53			

S = 2.009    R-Sq = 94.39%    R-Sq(adj) = 92.14%



Pooled StDev = 2.009

#### Grouping Information Using Tukey Method

Tratamiento	N	Mean	Grouping
2	3	96.394	A
3	3	95.538	A
1	3	92.477	A B
4	3	89.492	B
5	3	77.793	C

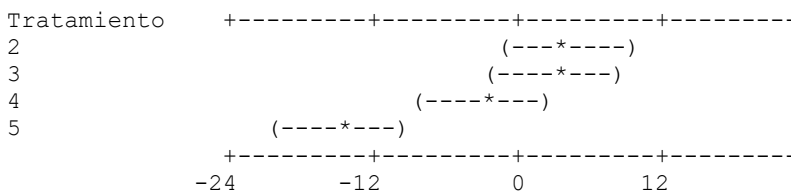
Means that do not share a letter are significantly different.

#### Tukey 95% Simultaneous Confidence Intervals All Pairwise Comparisons among Levels of Tratamiento

Individual confidence level = 99.18%

Tratamiento = 1 subtracted from:

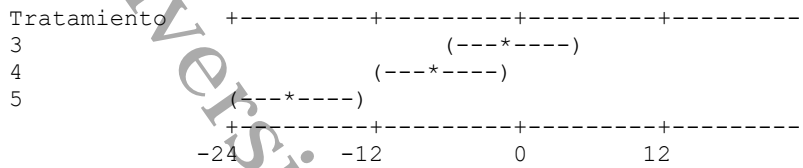
Tratamiento	Lower	Center	Upper
2	-1.477	3.917	9.311
3	-2.334	3.061	8.455
4	-8.380	-2.985	2.409
5	-20.079	-14.684	-9.290



Tratamiento = 2 subtracted from:

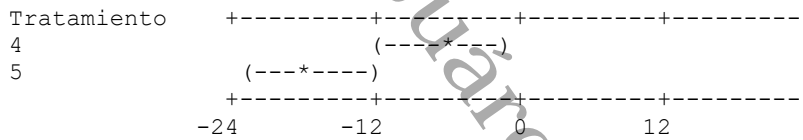
**ESTUDIO DE LAS PROPIEDADES FÍSICOQUÍMICAS DE UN SUELO CONTAMINADO CON PETRÓLEO DURANTE EL PROCESO DE BIORREMEDIACIÓN**

Tratamiento	Lower	Center	Upper
3	-6.251	-0.856	4.538
4	-12.297	-6.902	-1.508
5	-23.996	-18.601	-13.207



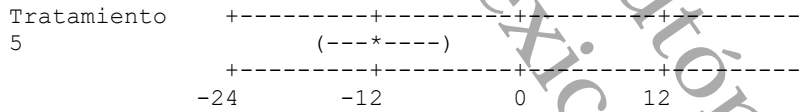
Tratamiento = 3 subtracted from:

Tratamiento	Lower	Center	Upper
4	-11.440	-6.046	-0.652
5	-23.139	-17.745	-12.351

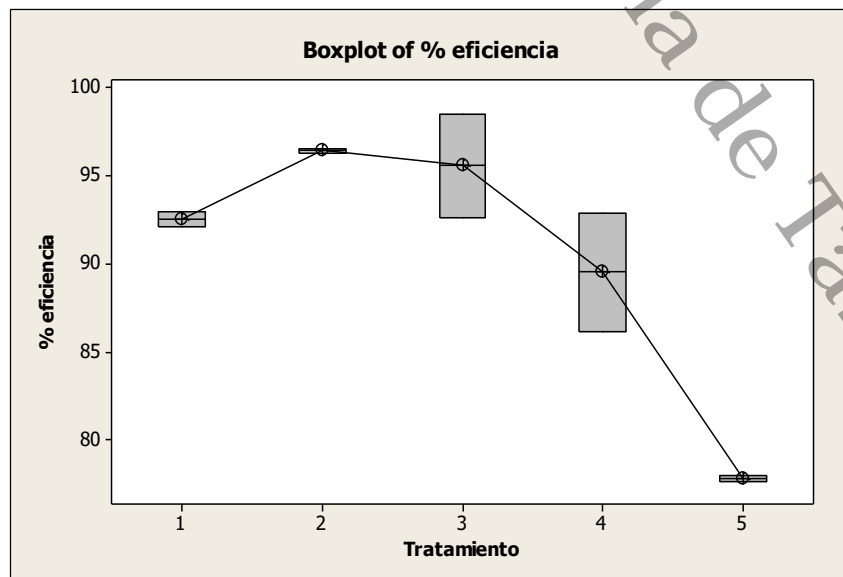


Tratamiento = 4 subtracted from:

Tratamiento	Lower	Center	Upper
5	-17.093	-11.699	-6.304



**Boxplot of % eficiencia**



Residual Plots for % eficiencia

