

Table 2 Mean squares and their significance values derived from ANOVA of total cell abundance, the abundances of Cyanophyceae, Bacillariophyceae and Chlorophyceae ( $\text{Log}_{10}(n+1)$  transformed), taxonomic richness and Shannon-Wiener index, among treatments, at each sampling time. \* =  $p < 0.05$ ; \*\* =  $p < 0.01$ ; \*\*\* =  $p < 0.001$ . Bolded LSD results are shown where treatments are significantly different

Time interval	df	Sources of variation	Total cell	Cyanophyceae	Bacillariophyceae	Chlorophyceae	Taxonomic richness	Shannon-Weiner Index
0	2	Treatment	0.003ns	0.011ns	0.033ns	0.002ns	1.00ns	0.01ns
	6	Residual	0.006	0.009	0.075	0.009	18.00	0.001
30 mins	2	Treatment	0.012ns	0.205***	4.104***	0.204*	58.11**	0.010ns
	6	Residual	0.104	0.005	0.124	0.032	15.0	0.006
3 hrs	2	Treatment	0.007ns	0.002ns	6.904***	0.021ns	218.11***	0.003*
	6	Residual	0.42	0.038	0.038	0.066	23.33	0.002
1 day	2	Treatment	0.099ns	0.190ns	3.166*	0.027ns	41.33**	0.003*
	6	Residual	0.053	0.057	0.203	0.061	3.56	0.000
2 days	2	Treatment	0.024**	0.044**	1.288ns	0.019ns	10.33ns	0.002ns
	6	Residual	0.002	0.002	0.482	0.007	9.22	0.006
3 days	2	Treatment	0.025*	0.065**	0.644ns	0.007ns	32.33**	0.004ns
	6	Residual	0.003	0.005	0.443	0.007	2.22	0.005
4 days	2	Treatment	0.107***	0.153**	0.254ns	0.047*	30.00**	0.001ns
	6	Residual	0.003	0.008	0.866	0.009	2.58	0.002
5 days	2	Treatment	0.063***	0.117**	1.138ns	0.024*	49.00*	0.001ns
	6	Residual	0.002	0.006	0.604	0.004	9.67	0.001