

Table 2. Cellular carbon, nitrogen, and phosphorus in axenic cultures of *Prochlorococcus marinus* MED4 and *Synechococcus* WH8012 and WH8103 in P-replete or P-limited conditions. Cell concentrations are given for each culture at the time of cell capture for elemental analysis. Arithmetic means of triplicate samples are presented with standard deviation between brackets. Significance levels (unpaired *t*-test) are given for differences between P-replete and P-limited growth conditions for each strain and element (degrees of freedom, 4).

Organism condition	Cell concentration (10 <sup>6</sup> cells ml <sup>-1</sup> )	Carbon*	Nitrogen*	Phosphorus*
<i>Prochlorococcus</i> MED4				
P-replete	110 (5)	45.8 (4.0)	9.4 (0.9)	0.98 (0.19)
P-limited	56 (4)	60.9 (1.8)	9.6 (0.07)	0.34 (0.08)
Student's <i>t</i>	—	<i>p</i> < 0.01	NS†	<i>p</i> < 0.01
<i>Synechococcus</i> WH8012				
P-replete	54 (11)	92.4 (13.3)	20.0 (2.7)	1.84 (0.13)
P-limited	49 (10)	132 (6.2)	20.6 (2.0)	0.47 (0.17)
Student's <i>t</i>	—	<i>p</i> < 0.01	NS	<i>p</i> < 0.01
<i>Synechococcus</i> WH8103				
P-replete	11 (0.6)	213 (7.3)	50.2 (1.8)	3.34 (0.51)
P-limited	31 (4)	244 (20.7)	39.8 (3.8)	0.81 (0.01)
Student's <i>t</i>	—	<i>p</i> < 0.1	<i>p</i> < 0.05	<i>p</i> < 0.01

\* In fg cell<sup>-1</sup>.

† Not significant (*p* > 0.1).