|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Phosphorus | | | | | Nitrogen | | | | | Carbon | Elemental Ratios | | |
| Culture | **μmax day-1 (SE)** | **Ks (μg/L) (SE)** | **Initial Slope day-1 • μM-1** | **QP (SD) fmol • cell-1** | **P\*, d = 0.2 day-1** | **μmax day-1 (SE)** | **Ks (μg/L) (SE)** | **Initial Slope day-1 • μM-1** | **QN (SD) fmol • cell-1** | **N\*, d = 0.2 day-1** | **QC (SD) fmol • cell-1** | **N:P** | **C:N** | **C:P** |
| Axenic PCC 7806 ΔmcyB | 0.55 (0.01) | 3.58 (0.75) | 4.77 | 1.27 (0.07) | 2.0 | 0.60 (0.04) | 290.57 (100.11) | 0.029 | 28.86 (2.57) | 145.3 | 176.14 (13.79) | 22.72 | 6.10 | 138.70 |
| Xenic PCC 7806 ΔmcyB | 0.49 (0.01) \*\* | 1.72 (0.42) | 8.91 | 0.85 (0.05) | 1.2 | 0.47 (0.03) \* | 66.75 (25.29) \* | 0.099 | 48.22 (3.27) | 49.4 | 263.6 (14.26) | 56.71 | 5.47 | 310.03 |
| Axenic PCC 7806 | 0.48 (0.01) | 0.92 (0.16) | 16.16 | 0.88 (0.38) | 0.7 | 0.58 (0.04) | 233.13 (83.95) | 0.035 | 48.1 (2.87) | 122.7 | 367.44 (23.97) | 54.96 | 7.64 | 419.84 |
| Xenic PCC 7806 | 0.47 (0.01) | 0.63 (0.12) | 23.08 | 0.72 (0.05) | 0.5 | 0.43 (0.03) \*\* | 63.28 (27.84) | 0.094 | 44.89 (2.33) | 55.0 | 309.22 (16.14) | 62.73 | 6.89 | 432.09 |
| Axenic PCC 9701 | 0.54 (0.02) | 5.35 (1.34) | 3.11 | 1.89 (0.14) | 3.1 | 0.58 (0.03) | 342.09 (112.68) | 0.024 | 94.16 (6.86) | 180.0 | 587.91 (59.63) | 49.81 | 6.24 | 311.01 |
| Xenic PCC 9701 | 0.58 (0.02) | 7.11 (1.50) | 2.55 | 3.41 (0.31) | 3.7 | 0.58 (0.03) | 133.64 (39.25) | 0.061 | 157.44 (11.43) | 70.3 | 849.97 (62.65) | 46.12 | 5.40 | 248.97 |
| Axenic NIES-843 | 0.54 (0.01) | 4.01 (0.90) | 4.17 | 3.24 (0.41) | 2.4 | 0.54 (0.03) | 371.77 (92.89) | 0.020 | 53.33 (4.15) | 218.7 | 304.92 (26.95) | 16.47 | 5.72 | 94.18 |
| Xenic NIES-843 | 0.55 (0.01) | 3.94 (0.87) | 4.31 | 2.61 (0.27) | 2.3 | 0.48 (0.02) | 121.44 (29.81) \* | 0.055 | 55.12 (5.66) | 86.7 | 305.29 (29.98) | 21.11 | 5.54 | 116.92 |