

## Table 2

Phosphorus quotas ( $\text{mol P cell}^{-1}$ ) of *Thalassiosira pseudonana* as measured on individual cells with SXRF and on bulk samples by colorimetry and radioisotopes.

The quotas are means ( $\pm$  SD) of 48 cells for SXRF and three filters for the colorimetric analyses. The range of quotas measured by Sunda & Huntsman (1995) were calculated from C measured over a range of Fe concentrations assuming the Redfield ratio of 106:1 C:P. The range of quotas measured by Thompson *et al.* (1992) was calculated from measurements of cellular C and N using the Redfield ratio of 106 C:16 N:1 P.

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SXRF	$3.8 \times 10^{-15} \pm 1.4 \times 10^{-15}$
Spectrophotometric	$3.0 \times 10^{-15} \pm 7.0 \times 10^{-17}$
Sunda & Huntsman (1995)	$2.8 \times 10^{-15}$ – $6.1 \times 10^{-15}$
Thompson <i>et al.</i> (1992)	$6.2 \times 10^{-15}$ – $7.8 \times 10^{-15}$

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