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Inspiring Minds

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Determination of chlorophyll a by fluorescence

Client: Bureau Veritas Laboratories, 200 Bluewater Road, Bedford, NS, B4B 1G9

Attention: Preeti Kapadia

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Chl *a* (chlorophyll *a*; $\mu\text{g L}^{-1}$) determined by the acidification method (Holm-Hansen et al., 1965). Estimates made with the non-acidification method (Welschmeyer, 1994) are shown for comparison.

The non-acidification method is considered more reliable than the acidification method in correcting for bias due to the contributions of chlorophyll *b* and chlorophyll degradation products.

Holm-Hansen O, Lorenzen CJ, Holmes RW, Strickland JDH (1965) Fluorometric determination of chlorophyll.

J Conseil 30:3-15

Welschmeyer NA (1994) Fluorometric analysis of chlorophyll *a* in the presence of chlorophyll *b* and phaeopigments.

Limnol Oceanogr 39:1985-1992

Contractor ID	Client ID	Chl <i>a</i> (acidification)	Chl <i>a</i> (non-acidification)
WRG788-02R	SAN(B)-D	0.096	0.228
WRG789-02R	SAN(B)-S	3.09	3.28
WRG790-02R	SAN(B)-OUT	2.75	2.93
