

## **Dissolved inorganic nutrient data series for cruise Dana D1198**

### **Principal Investigator**

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### **Content of data series**

Parameter	Unit	Parameter code	Number of samples	Number of stations	Comments
Nitrite	$\mu\text{mol l}^{-1}$	NTRIAADZ	127	16 CTD	none
Nitrate + nitrite	$\mu\text{mol l}^{-1}$	NTRZAADZ	127	16 CTD	none
Phosphate	$\mu\text{mol l}^{-1}$	PHOSAADZ	127	16 CTD	none
Total phosphorus	$\mu\text{mol l}^{-1}$	TPHSWCDZ	127	16 CTD	none
Silicate	$\mu\text{mol l}^{-1}$	SLCAAADZ	127	16 CTD	none

CTD = CTD-Rosette water column sampling station.

### **Originator's protocol (Vagn Ole Olsen, DIFRES)**

#### **Sampling:**

Water samples were collected using 10 litres Niskin bottles attached to the CTD rosette sampler. Samples for nutrient analysis were taken twice a day from eight different depths. Samples for nitrate/nitrite analysis were collected in new 25 ml plastic bottles. A drop of chloroform was added to each bottles. Samples were then frozen until analysis. For total phosphorus analysis, exactly 25 ml of sample was placed in a brown glass medicine bottle and stored in the dark until analysis.

#### **Analytical procedure:**

Samples were analysed using colorimetric autoanalysis (CAA) for nutrients. For total phosphorus, the samples were first oxidised and then analysed by CAA as recommended by Grashoff (1976).

### **BODC processing**

The data were loaded into a database under the ORACLE Relational Database Management System without modification.

### **Comments on data quality**

None to report.

### **Reference**

Grashoff K (1976) Methods of seawater analysis. Verlag Chemie.