

# COLLECTION STANDARD OPERATING PROCEDURE

## DISSOLVED INORGANIC NUTRIENTS

### I. Sample collection

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- Wear protective gloves to avoid contamination
- Samples for inorganic nutrients (ammonia, nitrites, nitrates, silicates and phosphates) are collected from the appropriated Niskin bottles in 20 mL acid clean high-density polyethylene vials (Fig. 1)
- Vials are pre-rinsed 3 times with the sample and filled for less than  $\frac{3}{4}$  of their volume.
- Warning: fill only  $\frac{3}{4}$  of the total volume available; pay attention to contaminations (do not touch the bottle rim of the cap); check that the caps are tightly closed
- Samples are immediately stored at  $-20\text{ }^{\circ}\text{C}$ , until analysis.
- Sample vials must be kept upright while freezing and during the entire storage phase.



*Figure 1 Samples collected from Niskin bottles*

### II. List of material, equipment and supplies

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- 20 ml HDPE vials
- Refrigerated box for transport