

SOCCOM IN2016_V01 HEObI HPLC

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Sample collection

Near-surface samples from SOCCOM CTD stations were taken for HPLC analysis. Clean transfer from the niskins (<210 µm to remove zooplankton) to a closed dedicated filtration rig. The samples were size fractionated in: total and <20 µm. 20% of the filter area was removed for biogenic silica digest. Volume filtered varied from 1 to 2 L to achieve maximum loading without blockage. Filters used were GF/F 25 mm diameter.

More information on the cruise are available at:

<https://socom.princeton.edu/content/shipboard-data-reports>

Analysis method

Analysis was performed by Lesley Clementson (lesley.clementson@csiro.au) at CSIRO on February 27, 2016 following the protocol of Hooker et al. 2016.

References

Hooker, Stanford B., Lesley Clementson, Crystal S. Thomas, Louise Schlüter, Merete Allerup, Josephine Ras, Herve Claustre, Claire Normandeau, John Cullen, Markus Kienast, Wendy Kozlowski, Maria Vernet, Sumit Chakraborty, Steven Lohrenz, Merritt Tuel, Donald Redalje, Paulo Cartaxana, Carlos R. Mendes, Vanda Brotas, S.G. Prabhu Matondkar, Sushma G. Parab, Aimee Neeley, and Einar Skarstad Egeland. The Fifth SeaWiFS HPLC Analysis Round-Robin Experiment (SeaHARRE-5), 2012, NASA/TM-2012-217503.