

HPLC sampling protocol used at ANTARES Baja California Station

Contact Information:

Adriana Gonzalez Silvera (adriana.gonzalez@uabc.edu.mx)

Faculty of Marine Sciences (FCM)

Universidad Autónoma de Baja California

Carretera Tijuana-Ensenada Km 103

Baja California - MEXICO - 22830

+52 (646) 1745600 Ext. 119

Document Version 1.0, June 11, 2013.

1. Sample collection

Surface water sample is collected at the station using GoFlo Bottles which immediately after collection is stored in Nalgene Large Amber Polypropylene bottles (Thermo Scientific). Bottles are stored in a shaded place in the ship until arriving the laboratory. The time from station to laboratory takes from 2 to 3 hrs. The degradation of samples was previously tested and no significant degradation results from the transportation.

When arriving at the laboratory 2 Liters of water is filtered using positive pressure through 25 mm GF/F filters, which are stored folded in half inside aluminum foil and in liquid nitrogen. A replicate is also prepared.

Samples are transported in liquid nitrogen using a dewar from our laboratory (Ensenada, BC) to Scripps Institution of Oceanography (San Diego, CA) from where they are shipped to NASA and are processed at HPL by Crystal Thomas.



Figure 1. Sample collection at station.