

Cruise: 2003 FICARAM VI on R/V Hesperides

Dates: April 10 - 22, 2003

Expocode: 29HE20030408

Chief Scientist: Aida Rios

Equipment: 24 bottle CTD with dual C, T, and O₂ sensors and LADCP

Number of Stations: 7

Chemical measurements:

DIC: 7 stations, 20 samples each 500-ml

PI: Dr. Rik Wanninkhof, AOML

Analyzed by: Esa Peltola, AOML

Details:

DIC Analysis

Analysis Date: June 9-10, 2003.

Coulometers used: AOML1 and AOML2

Blank range: 12.0-16.1 counts/min

CRM # used and assigned value (include both DIC and salinity): Batch 59, c: 2007.1 umol/kg, S:33.316.

CRM value measured: AOML 1: offset 4.8 umol/kg (2002.2 umol/kg)

AOML-2: offset 13.0 umol/kg (1994.1 umol/kg)

The average run time was 11 minutes, the minimum run time was 8 minutes and the maximum run time was 15 minutes.

Reproducibility: (# samples and average difference): 0 duplicate samples,

CRM, salinity and HgCl₂ correction applied: yes

Location of analyses files: Esa's computer file/directory/name: My

Documents/SOMMA/Lab Studies/2003 (19)_MAY_Aida

UPDATE:

Between March and June of 2021, all of the data for the discrete samples was put into a uniform format. The supporting information was checked for accuracy, especially the expocode, date, time, and positions.