

Cruise: CapeHatteras_2006, UGa Coastal
Ship: R/V Cape Hatteras
Expocode: 32KZ20060517
Dates: 17-26 May, 2006
Chief Scientist: Dr. Wei-Jun Cai, University of Georgia

Chemical measurements:

Nutrients:

PI: Dr. Wei-Jun Cai, University of Georgia

DIC: 34 stations, 149 samples each 500-ml, 14 duplicate samples

PI: Dr. Rik Wanninkhof, AOML

Analyzed by: Esa Peltola, AOML

TALK: 12 stations, 32 samples, 0 duplicates

PI: Dr. Frank Millero, RSMAS

Analyzed by: Fen Huang, RSMAS

Details:

DIC Analysis

Analysis Date: June 7-21, 2006.

Coulometers used: AOML1 and AOML2

Blank range: 12.0-30.0 counts/min

CRM # used and assigned value: Batch 59, c: 2007.1 umol/kg, S:33.316, Batch 66, c: 1969.57 umol/kg, S:32.962.

CRM value measured: AOML 1, Batch 59: offset 7.1 umol/kg (2000.0 umol/kg)

AOML 1: Batch 66: offset 5.3 umol/kg (1964.3 umol/kg)

AOML-2: Batch 59: offset 6.8 umol/kg (2000.3 umol/kg)

AOML-2: Batch 66: offset 7.5 umol/kg (1962.1 umol/kg)

The average run time was 13 minutes, the minimum run time was 8 minutes and the maximum run time was 20 minutes.

Reproducibility: (# samples and average difference): 14 sets of duplicate samples, average difference 1.50 umol/kg, range (0.10 – 2.88) .

CRM, salinity and HgCl₂ correction applied: yes

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

Documents/SOMMA/Lab Studies/2006 (5) Heike

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.