

Cruise: SKO0510

Dates: September 17 - 23, 2005

Expocode: AGSK20050916

Chief Scientists: not applicable

Equipment: Surface samples collected next to TSG from ship's engine cooling water.

Total number of stations: VOS Underway Cruise

Chemical measurements:

DIC: 10 locations, 20 samples each 500-ml, 20 duplicate samples

PI: Dr. Rik Wanninkhof

Collected by: Denis Pierrot

Analyzed by: Esa Peltola

Salinity: Salinity from the ship's thermosalinograph on the Practical Salinity Scale

TALK: 10 locations, 10 samples each 500-ml

PI: Dr. Frank Millero

Collected by: Denis Pierrot

Analyzed by: Fen Huang

Details:

DIC:

Analysis date: October 3, 2005

Coulometers used: AOML1 and AOML2

Blank range: 12.0-25.0 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 5.8 umol/kg (2001.3 umol/kg)

AOML-2: offset 9.3 umol/kg (1997.8 umol/kg)

Average run time, minimum run time, maximum run time: 11 min, 8 min, 19 min

Reproducibility: (# samples and average difference): 10 sets of duplicate samples,
average difference 1.4 umol/kg

CRM, salinity and HgCl₂ correction applied: yes

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

Documents/SOMMA/Lab Studies/2005(10) Skogafoss Denis Pierrot SKO510/

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.