

Cruise: SKO0406

Dates: June 4 - 11, 2004

Expocode: AGSK20040403

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: 12 locations, 20 samples each 500-ml, 16 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: TALK not yet analyzed

PI: Dr. Frank Millero

Collected by: Denis Pierrot

Analyzed by: N/A

Details:

DIC:

Analysis date: April 27-28, 2004

Coulometers used: AOML1 and AOML2

Blank range: 13.4-23.3 counts/min

CRM # used and assigned value (include both DIC and salinity): Batch 45, c:1994.17
umol/kg,S:33.487

CRM value measured: AOML 1: offset 4.9umol/kg (1999.0 umol/kg)

AOML-2: offset 10.2 umol/kg (2004.4 umol/kg)

Average run time, minimum run time, maximum run time: 9 min, 8 min, 14 min

Reproducibility: (# samples and average difference): 8 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/2004 (4) Skogafoss Sullivan SKO313 and Pierrot
SKO406/

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.