

Data documentation for “Specimen analysis records – raw data for 26 elements”

The spreadsheet contains original data of elemental analysis of open ocean Halobates numbered from 001. In addition 3 samples each of anchovy and saury fish eggs collected from ocean surface waters were analyzed for comparative purposes. Concentrations of essential, major and minor elements numbered from 1-26 are expressed in ppm (parts per million) dry weight. Abbreviations for sample column are as follows: -

Sample number (first 3 digits of “SAMPLE”): - 001 to 500+

Halobates species:-

MI= H. micans

SE = H. sericeus

SO = H. sobrinus

SP = H. splendens

GE = H. germanus

Location: -

Latitude N or S to nearest degree

Longitude E or W to nearest degree

Dry weight of specimen in mg

List of elements: -

P - Phosphorus

NA - Sodium

K - Potassium

CA - Calcium

MG – Magnesium

ZN – Zinc

CU - Copper

FE - Iron

MN - Manganese

B - Boron

AL - Aluminum

SI - Silicon

TI - Titanium

V - Vanadium

CO - Cobalt

NI - Nickel

MO - Molybdenum

CR - Chromium

SR - Strontium

BA - Barium

LI - Lithium

AG - Silver

SN - Tin

PB - Lead

BE - Beryllium

CD - Cadmium

** = no data

Header and footer notes: -

10 mg upper or lower limits represent accuracy of spectrometric analysis established by analyzing standard reference materials (see Cheng et al. 1976 reference below)

EASTROPAC etc. indicate source of material. Cruise information can be found in hand-written collection information records from date of each specimen.

Reference:

Cheng, L., Alexander, G.V. and Franco, P.J. 1976. Cadmium and other heavy metals in sea-skaters (Gerridae: Halobates, Rheumatobates). *Water, Air and Soil Pollution* 6: 33-38.
<http://dx.doi.org/10.1007/BF00158713>