

Chemical Oceanography: Unveiling the Secrets of Earth's Blue Heart

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Abstract

occurring in the Earth's oceans. This branch of oceanography encompasses the study of the composition,

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Introduction

Ce ca cea 🗷 a , a , d, c, a ed f, d , a de, a d 💆 e c i 🛴 ,i i e, e, a di ce, e 🛮 c e ca, c e Ea., cea, L e c ca, e a de la Me f,ce, cd,ci, e, c,d, Mce, l, ,Me M, b, M, a di , c, . e . Ma. e . e c . e . e.ac. , be. ee . e cea, ad. ece ca ee e, adc , d, ec.a, [3]. e cea, ca a c. ca. e Ea., , e , e c ⊠⊠ ba c, a.e, le a. a. e. a.e., le e.a. le, a.d., e., a.d., le a.a. ala fale fe. Ce ca cea 🛚 a , ee, , . . , a e , . e e, caece cad a como e e e add a caga a ce e o e a dadde, 🗷 c.e.a.e. e.a.cae 🚾.Oef.e.e.bec.e. fce ca cea 🛛 a ..., . e. e. e. e. d, ..., b, ., a d'cc. 🖼 fce ca ee e, a d c , d, ea a.e. [4]. Sea a.e. , Le fd,, ed, a,, Ma, e,, Le,, ad Ma, c ad, Mac, b, ace, , Mee, e, a, , Madaa, ,,,, ce ca cea 🛚 a e,,,, e.,, a., f. ec ce., a, , fa, , ee e, ad, de, ad, e, , , ce, , , , , ad, a, f, a, , e cea ce e [5].

. a e e . e e c c e , c d e , , e . . a . , . . e c . . e e d . e . . ca e eb f . e a c . . a d feedbac ec a . . . a . . . a a e e c . . e . [6].

Methods and tools of chemical oceanography

Ce ca cea Ma e, e i a a Me f e, d Me a d . , , , d e c e ca c i , , f, ea a e, a d e i , ce, e cc , Ma , , . . . S e f, e i , a . ec , e c de:

Water sampling: Wale a receled a a do ad a do ca a cella a e eccella face cella face cella ed Mae, le maceee el, a do la [8].

Remote sensing: Sale leba ed le la ad la la ela la cala ela cal

In situ measurements: I ..., e ..., e c d c ..., e c e a ..., e , a d de . (CTD) ... e2.3(9(.)-4)-5(c)(3()19(.)12(.)6(e)12()4(d)12(

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Page 2 of 2