

Size-fractionated particulate trace element concentrations determined by ICP-MS from Ocean Station Papa during the 2018 EXPORTS cruise

Website: <https://www.bco-dmo.org/dataset/946652>

Version: 1

Version Date: 2024-12-23

Abstract

Total minor and trace element concentrations were determined by ICP-MS on profiles of size-fractionated (0.8-51um, >51um) particles collected by battery-operated in-situ filtration at Ocean Station Papa in the North Pacific in August 2018 during the 2018 EXPORTS cruise.

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Coverage

Location: Ocean Station Papa in the North Pacific

Spatial Extent: N:50.644602 E:-144.74075 S:50.046084 W:-145.50209

Temporal Extent: 2018-08-15 - 2018-09-04

BCO-DMO Processing Description

Data table within file "EXPORTSNPac2018_pTM_BCODMO_20241130noZn.csv" was imported into the BCO-DMO data system for this dataset. Values "NaN" imported as missing data values.

** In the BCO-DMO data system missing data identifiers are displayed according to the format of data you access. For example, in csv files it will be blank (null) values. In Matlab .mat files it will be NaN values. When viewing data online at BCO-DMO, the missing value will be shown as blank (null) values.

* Column names adjusted to conform to BCO-DMO naming conventions designed to support broad re-use by a variety of research tools and scripting languages. [Only numbers, letters, and underscores. Can not start with a number]

* example: "1SD_Ce_SPT_CONC_PUMP_pM" changed to "Ce_SPT_CONC_PUMP_pM_1SD"

* Date converted to ISO 8601 format

* timezone added to ISO datetime column (UTC as "Z").

* The supplementary table was revised through correspondence and file

"EXPORTSNPac2018_pTM_BCODMO_Typical-equivalent-detection-limits_20241130.csv" provided by email was attached to this dataset as "EXPORTSNPac2018_pTM_Typical-equivalent-detection-limits.csv"

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Parameters

Parameters for this dataset have not yet been identified

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