A Big Earth Data Platform for Three Poles

**Dataset of element geochemical composition of lake surface sediments in the two lakes area of the Qinghai Tibet Plateau (2019)**

1、Description

This data set contains the elemental geochemical composition data of the surface sediments of 18 lakes in the two lakes area of the Qinghai Tibet Plateau, including qiaguiacuo, tongcuo, yueqiaco, Grenco, Cuona, nurmacuo, dazzcuo, saibucuo, bamucuo, gemangcuo, naripingcuo, pengcuo, darucuo, mudidaryucuo, cuoe, Jiangcuo, guomangcuo and zhangnaicuo. It includes Al, Ba, be, CA, Fe, K, Mg, Mn, Na, P, Sr, Ti, V, Zn, Cr, Co, Ni, Cu, as, Mo, CD, Sb, Tl, Pb, TOC and TN data. The data were collected by ICP-AES, ICP-MS and elemental analyzer of State Key Laboratory of lake and environment, Nanjing Institute of geography and lakes, Chinese Academy of Sciences. The standard deviation of repeated measurement was less than 5%. The data set reflects the chemical properties of the sediments in the two lakes, and can be used to establish the conversion equation for quantitative reconstruction of Lake Sediment Salinity, evaluate the ecological risk of the lake and identify the impact of human activities.

2、Keywords

Theme：Lacustrine Sediments,Sediments
Discipline：Palaeoenvironment
Places：Qinghai-Tibet Plateau, Selin Co
Time：2019

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.017MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：35.0 | - |
| west：85.0 | - | east：95.0 |
| - | south：25.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

SUN Weiwei. Dataset of element geochemical composition of lake surface sediments in the two lakes area of the Qinghai Tibet Plateau (2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2729532021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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