A Big Earth Data Platform for Three Poles

**Hydrogen and oxygen stable isotope data set of groundwater and surface water in Naqu basin, the upper reaches of Nujiang River (2020-2021)**

1、Description

From September 3 to September 9, 2020, groundwater and surface water were collected in the upper reaches of Nujiang River Basin (i.e. Naqu basin in Nujiang River source area), and the samples were immediately put into 100 ml high density polyethylene (HDPE) bottles. 18O and D are analyzed and tested by liquid water isotope analyzer (picarro l2140-i, USA), and the stable isotope ratio is expressed by the thousand difference relative to Vienna "standard average seawater" (VSMOW). δ 18O and δ The analysis error of D is ± 0.1 ‰ and ± 1 ‰ respectively. It provides basic data support for subsequent analysis of groundwater source analysis in Naqu basin.

2、Keywords

Theme：Surface Water,River water,Ground Water,Hydrogen and oxygen isotopes
Discipline：Terrestrial Surface
Places：Naqu basin, Nu River, Tibetan Plateau
Time：2020

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：0.09MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.0 | - |
| west：91.0 | - | east：93.0 |
| - | south：30.5 | - |

5、Time frame:2020-08-31 16:00:00+00:00--2020-09-30 03:59:59+00:00

6、Reference method

References to data:

CHEN Zhenghao , LIU Yaping . Hydrogen and oxygen stable isotope data set of groundwater and surface water in Naqu basin, the upper reaches of Nujiang River (2020-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2725732022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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