A Big Earth Data Platform for Three Poles

**Database of the amount of ammonia nitrogen, dissolved organic carbon, cations and anions of river water from Hulugou outlet (June to August, 2012)**

1、Description

1. Data overview:
this data is sampled from June 21, 2012 to August 25, 2012. The sampling frequency is once a week.
The sampling point is located at the outlet flow weir of hulugou small watershed in the upper reaches of Heihe River, with the longitude and latitude of 99 ° 52 ′ 47.7 ″ E and 38 ° 16 ′ 11 ″ n.
2. Data content:
this data set includes the ammonia nitrogen value, Doc value and anion ion value of river water at the outlet of the basin.
Data acquisition means: ammonia nitrogen value is measured by hash DR2800 ultraviolet spectrophotometer; doc value is measured by analytikjena multi n / c3100 total nitrogen and total carbon tester; anion value is measured by 761 / 813 ion chromatograph of Swiss Wantong; cation is measured by iris intrepid Ⅱ xspicp-aes of us thermoelectricity.

2、Keywords

Theme：Cations and anions,Nitrogen compounds,Hydrocarbons,Water Quality/Water Chemistry
Discipline：Terrestrial Surface
Places：Heihe River Basin, Qilian station flow weir, Hulugou, Basin Outet
Time：2012

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.02MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.27192 | - |
| west：99.87761 | - | east：99.88347 |
| - | south：38.26724 | - |

5、Time frame:2012-07-02 16:00:00+00:00--2012-09-05 16:00:00+00:00

6、Reference method

References to data:

SUN Ziyong. Database of the amount of ammonia nitrogen, dissolved organic carbon, cations and anions of river water from Hulugou outlet (June to August, 2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.055.2014.db2014

References to articles:

7、Supporting project information

Exploring snowmelt runoff processes using isotopic and hydrochemical data in Heihe River headwater catchments

8、Data resource provider

name: SUN Ziyong
unit: China University of Geosciences
email: ziyong.sun@gmail.com