A Big Earth Data Platform for Three Poles

**Data set of total mercury in leaves of common tree species in the East and south of Qinghai Tibet Plateau (2008)**

1、Description

This dataset includes the concentrations and spatial pattern of mercury (Hg) in the foliage of the local tree species over the easteran and the southern Tibetan Plateau. Fifty-three leaf samples were collected, and cold vapor atomic fluorescence spectrophotometry (CVAFS) was used to analyse the Hg contents. The limit of detection (LOD) for this method is 1.8 ng/g. The standard reference material, foliage GB GSW-11, which is supplied by National Institute of Metrology P.R.China, was also analyzed for assessing the accuracy of this method, and the recoveries of this method were 94.6%±9.7%. This dataset will provide the informations of foliage absoprtion to Hg over the Tibetan Plateau.

2、Keywords

Theme：Himalayas,Contaminants,Tibetan plateau,Settlement,Environment Pollution and Control
Discipline：Human-nature Relationship
Places：Southeast of the Tibetan Plateau
Time：2008

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.04MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.0 | - |
| west：88.5 | - | east：105.5 |
| - | south：22.5 | - |

5、Time frame:2008-08-08 00:00:00+00:00--2008-09-07 00:00:00+00:00

6、Reference method

References to data:

WANG Xiaoping. Data set of total mercury in leaves of common tree species in the East and south of Qinghai Tibet Plateau (2008). A Big Earth Data Platform for Three Poles, doi:10.11888/Soil.tpdc.2702482019

References to articles:

Gong, P., Wang, X.P., Xue, Y.G., Xu, B.Q., &Yao, T.D. (2014) . Mercury distribution in the foliage and soil profiles of the Tibetan forest: processes and implications for regional cycling. Environmental Pollution, 188, 94-101.

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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