

Supplementary Materials

Supplementary tables:

Table A1. Information of tap water sampling sites supplied centrally by tap water company in Gannan and Longnan.

Area	Sampling site	Latitude (°)	Longitude (°)	Elevation (m)
Gannan	Hezuo	34.988	102.905	2894
	Xiahe Xian	35.200	102.520	2908
	Lintan Xian	34.690	103.351	2790
	Jone Xian	34.588	103.498	2543
	Luqu Xian	34.594	102.481	3112
	Maqu Xian	33.990	102.079	3475
	Tewo Xian	34.058	103.225	2495
	Zhugqu Xian	33.784	104.362	1348
Longnan	Wudu	33.396	104.932	1267
	Dangchang Xian	34.039	104.389	1954
	Wen Xian	32.945	104.674	937
	Kang Xian	33.336	105.615	1313
	Cheng Xian	33.740	105.724	952
	Hui Xian	33.770	106.079	910
	Liangdang Xian	33.919	106.298	982
	Xihe Xian	33.995	105.297	1573
	Li Xian	34.191	105.178	1427

Supplementary figures:

Figure A1. Spatial variations of annual mean values of d -excess (‰) in tap water in Gannan and Longnan. The map of d -excess was calculated according to d -excess = $\delta^2\text{H} - 8 \delta^{18}\text{O}$, based on the maps of $\delta^2\text{H}$ and $\delta^{18}\text{O}$ in tap water.

