

Qingqing Fan, Dadong Liu, Wei Du, Yiming Li, Feng Liang, Fuping Zhao, Xia Feng, Yi Chen, Ziya Zhang, Yuxiang Zhang and Chen Zhang, 2023, In situ U-Pb dating of carbonate veins in Cambrian shales constrains fluid flow and hydrocarbon evolution at the southeastern margin of the Upper Yangtze platform, southwestern China: GSA Bulletin, <https://doi.org/10.1130/B36893.1>.

Supplemental Material

Table S1. Carbonate LA-ICP-MS U-Pb isotope data.

Table S2. LA-ICP-MS rare earth element (REE) data of carbonate veins.

Table S3. Carbon and oxygen isotope data of carbonate veins.

TABLE S3. CARBON AND OXYGEN ISOTOPIC COMPOSITIONS OF CARBONATE VEINS

Samples	$\delta^{13}\text{C}_{\text{PDB}}$ (‰)	$\delta^{18}\text{O}_{\text{PDB}}$ (‰)	$\delta^{18}\text{O}_{\text{SMOW}}$ (‰)
Fibrous calcite	0.58	-9.66	17.61
Barytocalcite	1.48	-10.65	18.94
Calcite I	-1.82	-11.56	21.15
Calcite I	-2.36	-12.06	21.92
Calcite II	-2.02	-9.79	18.83
Calcite III	-6.74	-8.42	22.24