

Electronic Supplementary Material (ESI) for Analytical Methods
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Supplementary Information for “Combination of a sealed-tube decrepitation preparation and the isotope-ratio-monitoring gas chromatography method to perform carbon isotope analyses of CO₂ from fluid inclusions in minerals”

Table S1 Measured $\delta^{13}\text{C}$ values of the international references (IAEA-CH-6 and IAEA-CH-7) and gases from fluid inclusions in the quartz sample (zk104-90)

Sample	nmol CO ₂	Measured $\delta^{13}\text{C}^{\text{a}}$ (‰,VPDB)	Average $\delta^{13}\text{C}$ (‰,VPDB)	Known (corrected) $\delta^{13}\text{C}$ (‰,VPDB)	1 σ
IAEA-CH-6	144	-10.06			
IAEA-CH-6	156	-10.05			
IAEA-CH-6	155	-10.03			
IAEA-CH-6	137	-9.98			
IAEA-CH-6	149	-9.88			
IAEA-CH-6	155	-9.86			
IAEA-CH-6	126	-9.84	-9.96	-10.45	0.09
IAEA-CH-7	287	-31.90			
IAEA-CH-7	260	-31.80			
IAEA-CH-7	233	-31.79			
IAEA-CH-7	265	-31.79			
IAEA-CH-7	260	-31.73			
IAEA-CH-7	239	-31.72			
IAEA-CH-7	238	-31.67	-31.77	-32.15	0.07
zk104-90	113	-12.23			
zk104-90	108	-11.99			
zk104-90	108	-11.87			
zk104-90	113	-11.50			
zk104-90	191	-11.31			
zk104-90	114	-11.22			
zk104-90	112	-10.55	-11.52	-12.01	0.56

a. $\delta^{13}\text{C}$ are reported with respect to the laboratory working reference CO₂ at IGGCAS ($\delta^{13}\text{C}=-31.72\text{‰}$, VPDB)