

Sample	Analysis type	k_0 (s ⁻¹)	^{12}E (kJ mol ⁻¹)	$^{13-12}\Delta E$ (J mol ⁻¹)	Reference
Travertine (IAEA C2)	RPO (oxidation)	1.0E+15	326	1.8	This Study
Icelandic Spar	RPO (oxidation)	1.0E+15	324	0.3	This Study
Tarim Basin Kerogen	Sealed Pyrolysis	--	218	2 – 234	Tian et al. (2007)
Tarim Basin Crude Oil	Sealed Pyrolysis	--	230	-52 – 314	Tian et al. (2007)
Westphalian coal	pyGC-IRMS	2.4E+14	230 – 310	30 – 110	Cramer (2004)
Individual hydrocarbons	Pyrolysis <i>ab initio</i> modeling	--	167 – 500	15 – 242	Tang et al. (2000)