

APPENDIX 2

Results of Rock-Eval analysis

Sample symbol	TOC	T_{max}	S ₁	S ₂	S ₃	PI	HI	OI	MINC	Remarks
E1	0.10	n.a.	0.01	0.01	0.32	n.c.	n.c.	n.c.	0.03	
E2	0.08	n.a.	0.01	0.05	0.28	n.c.	n.c.	n.c.	0.02	
E3	0.51	<i>496</i>	0.04	0.76	0.12	0.05	149	24	0.19	Double S ₂ peak
E4	0.22	n.a.	0.01	0.06	0.79	n.c.	27	359	6.9	
E5	0.40	<i>498</i>	0.03	0.35	2.4	0.07	88	667	6.9	Double S ₂ peak
E6	4.1	427	0.03	6.1	2.3	0.01	149	57	0.17	
E7	2.2	442	0.29	2.5	0.79	0.10	112	35	1.11	
E8	59.8	422	3.7	76.2	0.43	0.05	127	1	2.0	
E9	0.22	604	0.01	0.10	0.57	0.07	45	259	1.18	
E10	16.8	433	1.97	19.0	3.5	0.09	113	21	2.0	
E11	1.84	454	0.06	0.86	0.00	0.06	47	0	0.04	
E12	0.54	<i>504</i>	0.02	0.16	0.39	n.c.	30	72	0.05	Indistinct maximum of S ₂
E13	0.30	<i>555</i>	0.01	0.13	0.07	n.c.	43	23	1.38	Indistinct maximum of S ₂
E14	2.2	437	0.02	0.63	2.1	0.03	29	95	0.15	
E15	0.25	<i>497</i>	0.04	0.44	0.35	0.09	176	140	5.1	Indistinct maximum of S ₂
E16	0.08	n.a.	0.00	0.05	0.10	n.c.	n.c.	n.c.	0.00	
EG1	0.05	n.a.	0.00	0.03	0.14	n.c.	n.c.	n.c.	3.5	
EG2	0.18	n.a.	0.03	0.08	0.21	n.c.	44	117	3.9	
EG3	6.5	430	1.00	8.7	0.93	0.10	133	14	4.5	
EG4	0.35	<i>604</i>	0.04	0.32	0.37	0.10	91	106	5.3	Double S ₂ peak

TOC – Total Organic Carbon (wt.%); T_{max} – temperature of maximum of S₂ peak (°C); S₁ – free hydrocarbons (mg HC/g rock); S₂ – residual hydrocarbons (mg HC/g rock); S₃ – CO₂ released during decomposition of organic matter (mg CO₂/g rock); PI – Production Index = $S_1/(S_1+S_2)$; HI – Hydrogen Index (mg HC/g TOC); OI – Oxygen Index (mg CO₂/g TOC); MINC – mineral carbon (wt.%); n.a. – not applicable; n.c. – not calculated; T_{max} values written in italic may be misleading (see remarks)