Datashare 83

Geochemical characteristics, origins, and model of lacustrine source rocks in the Zhu 1 depression, eastern Pearl River Mouth Basin, South China Sea

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Table A1. Rock-Eval Data of Rock Samples Used in Figure 4 in the Zhu 1 Depression, Pearl River Mouth Basin

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
1	EP1	3425–3450	11,237–11,319	E_3e	62.70	25.63	223.00	356	437
2	EP1	3535	11,598	E_3e	2.36	2.20	4.07	172	436
3	EP1	3570	11,713	E_3e	3.39	0.62	4.48	132	440
4	EP1	3661–3662	12,011–12,014	E_3e	60.66	34.35	198.00	326	443
5	EP1	3675	12,057	E_3e	12.51	3.57	37.12	297	436
6	EP1	3675–3700	12,057–12,139	E_3e	1.16	0.46	3.35	289	440
7	EP1	3700	12,139	E_3e	1.16	0.46	3.35	289	440
8	HZ1	3295–3300	10,810–10,827	E_3e	1.41	0.27	2.16	153	439
9	HZ1	3367–3385	11,047–11,106	E_3e	2.32	1.13	4.60	198	436
10	HZ1	3379	11,086	E_3e	1.87	0.36	4.30	230	441
11	HZ1	3403	11,165	E_3e	2.09	0.34	4.15	199	436
12	HZ1	3424	11,234	E_3e	1.65	0.27	4.48	272	443
13	HZ1	3436–3439	11,273–11,283	E_3e	4.48	0.74	12.32	275	441
14	HZ1	3438–3443	11,280–11,296	E_3e	4.43	0.80	19.52	441	439
15	HZ1	3439–3442	11,283–11,293	E_3e	0.86	0.11	2.85	331	444
16	HZ1	3460	11,352	E_3e	1.92	0.35	2.91	152	444
17	HZ1	3469	11,381	E_3e	12.07	2.51	28.17	233	436
18	HZ1	3468–3473	11,378–11,394	E_3e	2.53	0.51	5.10	202	441
19	HZ1	3469–3472	11,381–11,391	E_3e	3.99	0.86	14.85	372	441
20	HZ1	3487	11,440	E_3e	2.78	0.60	6.19	223	443
21	HZ1	3493	11,460	E_3e	4.37	0.78	9.06	207	441
22	HZ1	3505	11,499	E_3e	1.69	0.36	3.77	223	441
23	HZ1	3514	11,529	E_3e	45.16	15.55	158.31	351	443
24	HZ1	3528–3533	11,575–11,591	E_3e	4.52	4.14	10.86	240	440
25	HZ1	3547	11,637	E_3e	2.10	0.42	4.70	224	444
26	HZ1	3559	11,677	E_3e	1.56	0.26	3.54	227	443
27	HZ1	3565–3570	11,696–11,713	E_3e	1.91	0.31	4.00	209	441
28	HZ1	3615–3620	11,860–11,877	E_3e	9.51	2.72	28.08	295	441
29	HZ1	3649–3652	11,972–11,982	E_3e	1.90	0.28	6.48	341	439
30	HZ1	3793–3801	12,444–12,470	E_3e	28.40	6.06	78.60	277	442
31	HZ1	3793–3810	12,444–12,500	E_3e	20.40	6.06	78.66	386	442
32	HZ1	4072	13,360	E_3e	1.44	0.36	2.71	188	444
33	HZ1	4219–4222	13,842–13,852	E_3e	10.74	2.31	26.85	250	436

(*continued*)

Table A1. Continued

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
34	HZ2	2995	9826	E_3e	34.20	7.51	108.00	316	438
35	HZ2	3015	9892	E_3e	1.49	0.18	2.41	162	435
36	HZ2	3027.5	9933	E_3e	1.51	0.19	2.05	136	440
37	HZ2	3102.5	10,179	E_3e	25.47	3.05	55.01	216	438
38	HZ2	3122.5	10,244	E_3e	10.50	1.97	31.36	299	437
39	HZ2	3140–3142.5	10,302–10,310	E_3e	3.10	1.50	17.99	580	439
40	HZ4	3955	12,976	E_3e	2.17	0.20	5.31	245	437
41	HZ4	4137.5	13,574	E_3e	2.34	0.39	4.74	203	438
42	HZ4	4227.5	13,870	E_3e	2.00	0.20	3.54	177	441
43	HZ4	4332.5	14,214	E_3e	4.77	0.47	8.49	178	438
44	HZ4	4460	14,633	E_3e	1.79	0.19	3.09	173	442
45	HZ4	4487.5	14,723	E_3e	3.08	0.42	5.74	186	441
46	HZ4	4592.5	15,067	E_3e	2.02	0.25	3.36	166	440
47	HZ4	4800	15,748	E_3e	1.64	0.17	2.45	149	439
48	HZ5	3510–3513	11,516–11,526	E_3e	4.14	0.54	6.93	167	440
49	HZ5	3636–3672	11,929–12,047	E_3e	2.14	0.19	2.87	134	444
50	HZ6	3666–3669	12,028–12,037	E_3e	2.26	0.60	4.06	180	444
51	W10	3631.5	11,914	E_3e	1.90	0.20	3.00	158	442
52	W10	3631.7	11,915	E_3e	70.00	13.00	195.00	279	443
53	W10	3631.75	11,915	E_3e	68.80	25.00	236.80	344	441
54	W10	3638.3	11,937	E_3e	76.25	30.40	237.60	312	441
55	W10	3647.5	11,967	E_3e	9.36	2.46	24.50	262	436
56	W10	3740–3860	12,270–12,664	E_3e	2.88	0.44	3.08	107	442
57	W10	3742–3860	12,277–12,664	E_3e	2.88	0.44	3.08	107	442
58	W11	3034.5	9956	E_3e	2.10	0.50	2.54	121	439
59	W11	3225–3250	10,581–10,663	E_3e	1.94	0.63	2.24	115	444
60	W12	3590–3620	11,778–11,877	E_3e	8.41	2.44	36.92	439	436
61	W12	3610–3620	11,844–11,877	E_3e	60.48	20.11	314.31	520	441
62	W12	3625.7	11,895	E_3e	4.39	1.01	9.28	211	436
63	W12	3670–3690	12,041–12,106	E_3e	1.90	0.62	3.95	208	441
64	W12	3710–3720	12,172–12,205	E_3e	67.82	23.97	204.62	302	444
65	W12	3710–3720	12,172–12,205	E_3e	10.56	2.38	27.94	265	443
66	W12	3750–3770	12,303–12,369	E_3e	1.85	0.60	4.34	235	441
67	W12	3810–3820	12,500–12,533	E_3e	25.64	12.33	81.65	318	439
68	W12	3810–3820	12,500–12,533	E_3e	1.83	0.54	4.39	240	441
69	W12	3837.72	12,591	E_3e	58.30	20.97	142.04	244	443
70	W12	3830–3860	12,566–12,664	E_3e	2.44	0.47	5.49	225	439
71	W12	3870–3890	12,697–12,762	E_3e	1.83	0.48	3.39	185	442
72	W12	3870–3900	12,697–12,795	E_3e	1.66	0.30	2.79	168	442
73	W12	3900–3920	12,795–12,861	E_3e	2.03	0.46	3.71	183	438
74	W12	3930–3950	12,894–12,959	E_3e	2.79	0.55	6.74	242	440
75	W13	3025–3050	9925–10,007	E_3e	1.36	0.20	4.00	294	440
76	W14	3916	12,848	E_3e	59.18	22.86	111.26	188	444
77	W15	3600–3700	11,811–12,139	E_3e	70.70	14.30	152.20	215	442
78	W15	3680	12,073	E_3e	3.89	0.85	10.07	259	438
79	W16	3429–3435	11,250–11,270	E_3e	1.70	1.83	4.86	286	438

(*continued*)

Table A1. Continued

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
80	W16	3459–3462	11,348–11,358	E_3e	1.49	1.77	3.52	236	440
81	W16	3492–3495	11,457–11,467	E_3e	1.54	1.18	3.70	240	441
82	W16	3513–3516	11,526–11,535	E_3e	1.01	1.32	2.10	208	442
83	W16	3588–3591	11,772–11,781	E_3e	1.15	2.32	2.98	259	442
84	W16	3612–3618	11,850–11,870	E_3e	1.65	2.51	4.09	248	440
85	W16	3642–3648	11,949–11,969	E_3e	1.36	0.92	2.69	198	444
86	W16	3690–3696	12,106–12,126	E_3e	1.89	1.65	5.23	277	438
87	W16	3714–3717	12,185–12,195	E_3e	20.76	8.02	69.15	333	439
88	W16	3723–3729	12,215–12,234	E_3e	1.70	1.77	4.05	238	442
89	W16	3747–3750	12,293–12,303	E_3e	35.30	14.57	117.95	334	440
90	W17	3012.5	9884	E_3e	3.13	0.27	4.51	144	438
91	W18	2942.5	9654	E_3e	3.57	0.11	2.29	64	443
92	W18	2950	9678	E_3e	25.15	2.57	93.36	371	440
93	W18	2960	9711	E_3e	3.18	0.17	4.47	141	438
94	W18	3107	10,194	E_3e	2.96	0.20	3.71	125	438
95	W18	3110	10,203	E_3e	4.00	0.29	6.48	162	441
96	W18	3137.5	10,294	E_3e	7.02	0.59	12.50	178	437
97	W18	3187.75	10,458	E_3e	2.82	0.19	5.11	181	438
98	W18	3197	10,489	E_3e	5.48	0.47	8.43	154	437
99	W18	3207.5	10,523	E_3e	7.30	0.54	18.02	247	436
100	W18	3260	10,696	E_3e	3.30	0.25	6.09	185	436
101	W19	3772	12,375	E_3e	2.46	0.59	6.50	264	444
102	W20	4019.5	13,187	E_3e	2.19	0.34	4.31	197	437
103	W20	4027.5–4030	13,214–13,222	E_3e	5.98	0.68	9.39	157	440
104	W20	4057.5–4060	13,312–13,320	E_3e	6.48	0.51	8.13	125	443
105	W20	4247.5–4250	13,935–13,944	E_3e	2.20	0.25	2.76	125	444
106	W20	4260	13,976	E_3e	3.88	0.63	12.27	316	443
107	W20	4300	14,108	E_3e	1.25	0.18	3.22	258	443
108	W20	4325	14,190	E_3e	1.90	0.29	5.16	272	442
109	W20	4345	14,255	E_3e	1.24	0.21	2.74	221	442
110	W21	3513.8	11,528	E_3e	2.52	0.04	4.06	161	441
111	W21	3567.5	11,704	E_3e	2.40	0.27	4.70	196	438
112	W21	3640–3670	11,942–12,041	E_3e	4.82	6.01	28.35	588	442
113	W22	3610–3640	11,844–11,942	E_3e	2.90	0.58	6.61	228	435
114	W22	3790–3820	12,434–12,533	E_3e	1.12	0.33	2.00	179	444
115	W22	3910–3940	12,828–12,927	E_3e	1.87	0.24	3.90	209	438
116	W23	3413.5	11,199	E_3e	5.13	1.48	13.78	269	436
117	W23	3452	11,325	E_3e	1.67	0.73	2.76	165	437
118	W23	4125–4150	13,533–13,615	E_3e	1.64	0.50	3.24	198	444
119	W24	3625	11,893	E_3e	2.03	0.38	3.17	156	437
120	W24	3647.5	11,967	E_3e	1.80	0.24	2.31	128	442
121	W24	3640–3670	11,942–12,041	E_3e	1.21	0.36	2.02	167	436
122	W24	3735	12,254	E_3e	1.31	0.26	2.58	197	442
123	W24	3755	12,320	E_3e	1.14	0.23	2.34	205	442
124	W25	3450–3480	11,319–11,417	E_3e	3.99	0.49	11.90	298	439
125	W25	3475	11,401	E_3e	36.04	5.00	65.56	182	439

(*continued*)

Table A1. Continued

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
126	W25	3480–3510	11,417–11,516	E_3e	2.74	0.88	7.33	268	438
127	W25	3502.5	11,491	E_3e	2.26	0.24	2.86	127	438
128	W25	3520	11,549	E_3e	2.29	0.17	2.64	115	439
129	W25	3510–3540	11,516–11,614	E_3e	3.87	0.47	8.01	207	437
130	W25	3540–3570	11,614–11,713	E_3e	2.33	0.36	4.97	213	438
131	W25	3570–3600	11,713–11,811	E_3e	1.31	0.15	2.70	206	441
132	W25	3612.5	11,852	E_3e	3.56	0.39	7.39	208	438
133	W25	3627	11,900	E_3e	17.92	5.08	93.11	520	440
134	W25	3630–3660	11,909–12,008	E_3e	2.99	0.28	8.55	286	435
135	W25	3657.5	12,000	E_3e	2.34	0.30	3.68	157	439
136	W25	3660–3690	12,008–12,106	E_3e	1.38	0.18	3.37	244	440
137	W25	3690–3720	12,106–12,205	E_3e	1.15	0.15	2.70	235	442
138	W25	3720–3750	12,205–12,303	E_3e	1.06	0.17	2.75	259	437
139	W25	3760	12,336	E_3e	3.47	0.49	5.59	161	441
140	W25	3780–3810	12,402–12,500	E_3e	2.47	0.53	6.42	260	440
141	W25	3802.5	12,475	E_3e	4.64	0.19	2.09	45	444
142	W25	3810	12,500	E_3e	16.42	0.42	14.91	91	443
143	W25	3817.5	12,525	E_3e	8.34	1.12	17.12	205	438
144	W25	3810–3840	12,500–12,598	E_3e	3.28	0.58	9.85	300	439
145	W25	3840–3870	12,598–12,697	E_3e	4.17	0.92	11.09	266	438
146	W25	3870–3900	12,697–12,795	E_3e	3.09	0.51	8.03	260	443
147	W25	3900–3930	12,795–12,894	E_3e	5.83	1.00	14.46	248	438
148	W25	3930–3960	12,894–12,992	E_3e	2.15	0.41	5.20	242	438
149	W25	3900–4020	12,795–13,189	E_3e	2.77	0.68	5.86	212	441
150	W25	3960–3990	12,992–13,091	E_3e	1.42	0.25	3.50	246	442
151	W25	3977.5–3990	13,050–13,091	E_3e	3.50	0.29	8.93	255	444
152	W25	3990–4020	13,091–13,189	E_3e	2.77	0.68	5.86	212	441
153	W26	4044.5	13,269	E_3e	1.14	0.24	2.06	181	437
154	W26	4083.1	13,396	E_3e	1.72	0.31	2.47	144	435
155	W26	4175–4200	13,698–13,780	E_3e	1.77	1.97	3.80	215	435
156	W26	4200–4225	13,780–13,862	E_3e	1.52	1.79	3.21	211	436
157	W26	4225–4250	13,862–13,944	E_3e	1.84	1.51	3.65	198	437
158	W26	4248–4296	13,937–14,094	E_3e	68.45	10.30	197.60	289	435
159	W26	4325–4350	14,190–14,272	E_3e	2.01	1.98	3.89	194	438
160	W26	4350–4375	14,272–14,354	E_3e	2.36	2.61	5.28	224	435
161	W26	4375–4400	14,354–14,436	E_3e	5.20	4.13	12.64	243	435
162	W26	4380–4416	14,370–14,488	E_3e	42.48	6.00	119.10	280	438
163	W26	4400–4425	14,436–14,518	E_3e	2.89	2.89	6.92	239	435
164	W26	4425–4450	14,518–14,600	E_3e	2.23	2.14	4.59	206	438
165	W26	4450–4475	14,600–14,682	E_3e	2.10	2.29	4.36	208	439
166	W26	4475–4500	14,682–14,764	E_3e	2.60	3.17	6.18	238	436
167	W26	4500–4525	14,764–14,846	E_3e	2.02	2.20	4.49	222	437
168	W26	4525–4550	14,846–14,928	E_3e	2.03	2.39	4.24	209	435
169	W26	4550–4575	14,928–15,010	E_3e	2.55	2.35	5.37	211	437
170	W26	4575–4600	15,010–15,092	E_3e	2.31	2.21	5.13	222	436
171	W26	4600–4625	15,092–15,174	E_3e	2.21	2.43	5.47	248	436

(*continued*)

Table A1. Continued

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
172	W26	4602–4650	15,098–15,256	E_3e	32.33	5.25	74.60	231	440
173	W26	4625–4650	15,174–15,256	E_3e	2.10	2.65	5.21	248	438
174	W26	4650–4675	15,256–15,338	E_3e	1.79	2.53	4.32	241	439
175	W26	4675–4700	15,338–15,420	E_3e	2.65	2.56	6.17	233	441
176	W26	4700–4725	15,420–15,502	E_3e	1.47	1.49	2.89	197	444
177	W26	4725–4750	15,502–15,584	E_3e	1.55	2.26	3.66	236	438
178	W26	4750–4775	15,584–15,666	E_3e	1.57	2.33	3.51	224	441
179	W26	4775–4800	15,666–15,748	E_3e	1.43	1.26	2.56	179	444
180	W26	4800–4825	15,748–15,830	E_3e	2.76	3.21	5.92	214	442
181	W26	4825–4850	15,830–15,912	E_3e	4.35	6.83	11.76	270	439
182	W26	4850–4875	15,912–15,994	E_3e	1.99	2.16	3.90	196	443
183	W27	3530–3560	11,581–11,680	E_3e	2.93	0.61	11.15	381	435
184	W27	3560–3590	11,680–11,778	E_3e	2.41	0.43	4.66	193	439
185	W27	3592	11,785	E_3e	2.78	0.31	4.65	167	438
186	W27	3590–3620	11,778–11,877	E_3e	1.64	0.26	2.97	181	440
187	W27	3677.5–3687.5	12,065–12,098	E_3e	2.10	0.20	2.24	107	437
188	HZ2	3142.5	10,310	E_2w	4.88	2.35	32.50	666	440
189	HZ2	3142.5–3145	10,310–10,318	E_2w	4.10	1.98	26.00	634	438
190	HZ2	3144.5	10,317	E_2w	3.52	2.41	21.37	607	438
191	HZ2	3145	10,318	E_2w	4.46	1.81	27.01	606	440
192	HZ2	3146	10,322	E_2w	4.24	3.48	29.86	704	442
193	HZ2	3145–3147.5	10,318–10,326	E_2w	3.60	1.80	22.93	637	439
194	HZ2	3147.5–3150	10,326–10,335	E_2w	2.50	1.03	14.74	590	439
195	HZ2	3150–3152.5	10,335–10,343	E_2w	1.90	0.66	9.11	479	437
196	HZ2	3150–3160	10,335–10,367	E_2w	1.80	0.87	9.47	526	440
197	HZ2	3152.5–3155	10,343–10,351	E_2w	2.24	0.61	11.06	494	437
198	HZ2	3155–3157.5	10,351–10,359	E_2w	1.70	0.58	8.33	490	441
199	HZ2	3157.5–3160	10,359–10,367	E_2w	1.80	0.62	8.55	475	441
200	HZ2	3160	10,367	E_2w	1.74	1.34	6.31	363	443
201	HZ2	3160–3162.5	10,367–10,376	E_2w	1.60	0.50	6.54	409	438
202	HZ2	3162.5–3165	10,376–10,384	E_2w	1.80	0.58	8.06	448	440
203	HZ2	3165–3167.5	10,384–10,392	E_2w	1.70	0.61	8.03	472	440
204	HZ2	3165–3167.5	10,384–10,392	E_2w	1.86	0.40	8.28	445	443
205	HZ2	3167.5–3170	10,392–10,400	E_2w	1.70	0.75	8.64	508	443
206	HZ2	3170–3172.5	10,400–10,408	E_2w	1.50	0.60	6.63	442	441
207	HZ2	3172.5–3175	10,408–10,417	E_2w	1.60	0.69	7.12	445	441
208	HZ2	3175–3177.5	10,417–10,425	E_2w	1.50	0.64	6.90	460	441
209	HZ2	3177.5–3180	10,425–10,433	E_2w	1.80	0.80	8.69	483	439
210	HZ2	3180–3182.5	10,433–10,441	E_2w	1.70	0.77	8.98	528	438
211	HZ2	3182.5–3185	10,441–10,449	E_2w	2.00	0.80	10.70	535	440
212	HZ2	3185	10,449	E_2w	2.07	0.52	11.09	536	439
213	HZ2	3185–3187.5	10,449–10,458	E_2w	2.30	1.17	13.12	570	441
214	HZ2	3187.5–3190	10,458–10,466	E_2w	2.10	0.86	11.39	542	439
215	HZ2	3190	10,466	E_2w	2.17	1.57	12.96	597	443
216	HZ2	3190–3192.5	10,466–10,474	E_2w	2.10	0.93	11.18	532	440
217	HZ2	3192.5	10,474	E_2w	2.30	0.72	11.24	489	438

(*continued*)

Table A1. Continued

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
218	HZ2	3192.5–3195	10,474–10,482	E_2w	2.00	0.92	10.06	503	440
219	HZ2	3195	10,482	E_2w	2.09	0.64	10.07	482	439
220	HZ2	3195–3197.5	10,482–10,490	E_2w	1.80	0.51	8.24	458	439
221	HZ2	3197.5–3200	10,490–10,499	E_2w	1.70	0.48	7.62	448	438
222	HZ2	3200	10,499	E_2w	1.93	0.35	7.16	371	437
223	HZ2	3200–3202.5	10,499–10,507	E_2w	1.90	0.92	9.29	489	440
224	HZ2	3202.5–3205	10,507–10,515	E_2w	1.90	0.78	9.40	495	439
225	HZ2	3202.5–3207.5	10,507–10,523	E_2w	2.09	0.61	10.01	479	438
226	HZ2	3205–3207.5	10,515–10,523	E_2w	2.00	0.98	10.34	517	441
227	HZ2	3207.5–3210	10,523–10,531	E_2w	2.20	1.06	10.98	499	440
228	HZ2	3210–3212.5	10,531–10,540	E_2w	2.40	1.30	12.87	536	442
229	HZ2	3212	10,538	E_2w	3.31	2.81	19.64	593	444
230	HZ2	3212.5	10,540	E_2w	2.50	0.93	11.64	466	440
231	HZ2	3212.5–3215	10,540–10,548	E_2w	2.00	0.94	9.17	459	442
232	HZ2	3215–3217.5	10,548–10,556	E_2w	6.80	2.54	27.55	405	437
233	HZ2	3217.5–3220	10,556–10,564	E_2w	7.30	1.75	23.46	321	435
234	HZ2	3220–3222.5	10,564–10,573	E_2w	2.10	0.62	6.80	324	440
235	HZ2	3222.5–3225	10,573–10,581	E_2w	2.80	0.85	9.67	345	437
236	HZ2	3225–3227.5	10,581–10,589	E_2w	2.80	1.08	10.26	366	439
237	HZ2	3227.5	10,589	E_2w	3.50	1.17	10.57	302	439
238	HZ2	3227.5–3230	10,589–10,597	E_2w	2.30	0.80	7.71	335	440
239	HZ2	3232.5	10,605	E_2w	3.54	0.58	9.50	268	436
240	HZ2	3237.5	10,622	E_2w	3.94	0.92	12.60	320	437
241	HZ2	3242.5	10,638	E_2w	2.93	0.74	9.81	335	440
242	HZ2	3250	10,663	E_2w	2.21	0.58	7.94	359	442
243	HZ2	3267.5	10,720	E_2w	2.58	0.84	10.17	394	438
244	HZ2	3272.5	10,737	E_2w	2.32	0.70	9.70	418	442
245	HZ2	3275	10,745	E_2w	3.56	0.98	12.44	349	437
246	HZ5	3768–3789	12,362–12,431	E_2w	1.97	1.26	5.28	268	444
247	HZ6	3762–3774	12,343–12,382	E_2w	2.26	1.81	5.14	227	443
248	HZ6	3858–3861	12,657–12,667	E_2w	2.16	1.06	4.05	188	444
249	XJ1	3276–3279	10,748–10,758	E_2w	5.19	0.75	28.91	557	435
250	XJ1	3291–3294	10,797–10,807	E_2w	3.70	0.82	16.22	438	439
251	XJ1	3351–3354	10,994–11,004	E_2w	6.40	1.88	38.89	608	439
252	XJ1	3354–3357	11,004–11,014	E_2w	10.13	2.65	66.60	657	436
253	XJ1	3370.5	11,058	E_2w	1.98	0.11	3.90	197	435
254	XJ1	3423–3426	11,230–11,240	E_2w	7.39	1.77	41.61	563	439
255	XJ1	3484–3486	11,430–11,437	E_2w	7.42	2.75	45.55	614	442
256	XJ1	3488–3490	11,444–11,450	E_2w	4.91	1.67	24.58	501	442
257	XJ1	3492–3494	11,457–11,463	E_2w	6.30	2.15	35.52	564	441
258	XJ1	3498–3500	11,476–11,483	E_2w	5.61	1.99	30.55	545	442
259	XJ1	3512–3514	11,522–11,529	E_2w	3.50	0.81	12.24	350	440
260	XJ1	3518–3520	11,542–11,549	E_2w	3.53	1.86	6.72	190	440
261	XJ1	3692–3694	12,113–12,119	E_2w	6.16	2.57	30.50	495	441
262	XJ1	3696–3698	12,126–12,133	E_2w	5.13	2.41	24.28	473	444
263	XJ1	3724–3726	12,218–12,224	E_2w	4.01	1.51	15.51	387	444

(*continued*)

Table A1. Continued

No.	Well	Depth (m)	Depth (ft)	Fm.	TOC	S_1	S_2	HI	T_{max}
264	XJ1	3728–3730	12,231–12,238	E_2w	3.64	1.34	13.57	373	443
265	XJ1	3758–3760	12,329–12,336	E_2w	4.53	2.59	16.76	370	443
266	XJ1	3818	12,526	E_2w	4.61	2.95	19.50	423	444
267	XJ1	3910–3912	12,828–12,835	E_2w	9.52	4.22	32.86	345	444
268	XJ1	4060–4062	13,320–13,327	E_2w	4.33	1.31	9.10	210	444
269	XJ1	4110–4112	13,484–13,491	E_2w	4.84	1.72	12.97	268	443
270	W17	3045	9990	E_2w	19.61	2.36	64.12	327	438
271	W24	3780–3787.5	12,402–12,426	E_2w	1.41	0.31	2.91	206	438
272	W25	4020–4022.5	13,189–13,197	E_2w	1.76	0.74	3.05	173	441
273	W25	4020–4035	13,189–13,238	E_2w	9.60	5.70	42.40	442	441
274	W25	4020–4050	13,189–13,287	E_2w	1.75	0.45	3.75	214	442
275	W25	4040–4052.5	13,255–13,296	E_2w	2.27	0.30	2.34	103	444
276	W26	4875–4900	15,994–16,076	E_2w	1.18	1.40	2.26	192	439

Note: The total organic carbon (TOC) unit is weight percent. Unit of both the amount of the hydrocarbons thermally distilled from the rock (S_1) and the amount of hydrocarbons formed during the thermal decomposition of the kerogen (S_2) is milligrams of hydrocarbons per gram of rock. The hydrocarbon index (HI) unit is milligrams of hydrocarbons per gram of TOC. The temperature at the maximum of the S_2 peak (T_{max}) unit is degrees Celsius.

Abbreviations: E_2w = Wenchang Formation; E_3e = Enping Formation; Fm. = formation; No. = sample number.