

Appendix

Sample NO.	Period	Formation	Bed	Sample	Location	Town	County	Province
SM65	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
SM51	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
KM64	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
LM61	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
KM50	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
KM57	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
MY75	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
KM76	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Aduoluo colfield	Yuwan Town	Daguan County	Yunnan
MY82	lower Carboniferous	Datang Fm.	Jiusi Bed	Channel sampling	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan
MY81	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal slime	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan
SJM1	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan

SJM2	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan
LD12FM	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan
LD2FM	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan
LD5FM	lower Carboniferous	Datang Fm.	Jiusi Bed	Coal	Suijin coalfield	Zhaoyang District	Zhaotong County	Yunnan
Min								Min
Max								Max
Average								Average
Std.								Std.
HK59	lower Carboniferous	Datang Formation	Jiusi Bed	coal containing-pyrite	Aduoluo colfield	Zhaoyang District	Zhaotong County	Yunnan

Appendix continue

Sample NO.	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	K	In	Li	Mg	Mn
	%	mg/Kg	mg/Kg	mg/Kg	%	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%	mg/Kg	%	mg/Kg	mg/Kg	%	%
SM65	3.99	17.58	86.60	0.12	1.60	0.45	31.07	252.20	0.52	92.22	4.16	11.95	0.44	0.0297	2.92	0.3200	0.0500
SM51	0.52	0.96	6.54	0.02	0.58	0.04	11.24	168.70	0.10	14.88	1.17	2.97	0.03	0.0042	5.12	0.0770	0.0200
KM64	1.26	8.27	0.55	0.15	0.11	0.17	2.28	1072.00	0.02	20.12	1.06	24.74	0.02	0.0333	38.17	0.0070	0.0100

LM61	0.76	3.23	11.79	0.21	0.12	0.09	1.32	1152.00	0.04	33.06	2.97	5.35	0.02	0.0194	13.82	0.0080	0.0100
KM50	2.47	8.34	14.96	0.35	0.41	0.33	11.02	1055.00	0.66	38.39	3.86	13.90	0.15	0.0381	31.66	0.0580	0.0100
KM57	0.98	1.45	6.62	0.20	0.11	0.16	2.83	35.12	0.14	13.81	2.46	17.86	0.02	0.0360	40.12	0.0040	0.0042
MY75	3.18	7.34	14.89	0.42	0.19	0.23	6.86	58.21	0.46	20.02	2.27	14.96	0.11	0.0414	57.21	0.0590	0.0042
KM76	1.39	25.38	7.34	0.28	4.96	0.11	2.13	261.20	0.11	27.42	9.08	11.55	0.03	0.0602	23.98	0.0200	0.0056
MY82	7.32	2.75	360.00	0.22	0.39	0.15	6.87	336.60	1.20	53.46	2.95	14.63	0.53	0.0377	103.10	0.2240	0.0100
MY81	5.04	7.30	103.70	0.31	0.97	0.16	8.56	437.40	1.90	15.94	4.17	15.28	0.85	0.0508	109.00	0.4070	0.0100
SJM1	1.02	4.30	13.56	0.09	1.18	0.06	2.09	3.89	0.32	46.80	1.95	6.06	0.06	0.0117	15.92	0.0760	0.0051
SJM2	0.46	22.79	10.74	0.05	3.48	0.04	4.14	4.51	0.16	60.45	3.65	11.76	0.01	0.0057	8.54	0.0420	0.0091
LD12FM	1.70	8.10	44.88	0.16	0.62	0.09	4.31	183.50	0.89	23.62	2.04	19.38	0.16	0.0138	47.48	0.1430	0.0058
LD2FM	2.97	7.40	63.98	0.14	0.58	0.19	5.88	130.50	1.44	34.48	3.07	23.38	0.31	0.0202	83.37	0.2510	0.0085
LD5FM	2.90	6.78	72.54	0.17	0.46	0.14	5.02	129.70	1.77	31.35	2.77	23.81	0.31	0.0191	71.77	0.1940	0.0100
Min	0.46	0.96	0.55	0.02	0.11	0.04	1.32	3.89	0.02	13.81	1.06	2.97	0.01	0.0042	2.92	0.0040	0.0042
Max	7.32	25.38	360.00	0.42	4.96	0.45	31.07	1152.00	1.90	92.22	9.08	24.74	0.85	0.0602	109.00	0.4070	0.0500
Average	2.40	8.80	54.58	0.19	1.05	0.16	7.04	352.03	0.65	35.07	3.17	14.51	0.20	0.0281	43.48	0.1260	0.0115

Std.	1.86	7.13	87.77	0.11	1.33	0.11	7.10	388.80	0.62	20.46	1.83	6.42	0.24	0.0159	33.64	0.1217	0.0109
HK59	28.14	67.89	302.70	0.78	0.11	0.42	22.49	123.60	8.66	37.05	6.03	33.34	3.79	0.0825	230.00	0.5850	0.0043

Appendix continue

Sample NO.	Mo	Na	Ni	P	Pb	Rb	S	Sc	Se	Si	Sr	Ti	Tl	U	V	Zn	Ash yield
	mg/Kg	%	mg/Kg	%	mg/Kg	mg/Kg	%	mg/Kg	mg/Kg	%	mg/Kg	%	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%
SM65	3.59	0.169	56.36	0.08	37.13	7.64	5.71	29.02	2.18	12.41	59.41	0.2042	0.0724	0.89	88.51	143.80	23.43
SM51	0.29	0.014	13.37	0.03	3.40	1.94	0.04	14.31	5.13	13.55	10.89	0.1884	0.0068	0.09	42.16	5.03	16.17
KM64	46.71	0.029	32.62	0.03	2.36	0.92	4.06	19.62	1.21	17.02	2.57	0.0011	0.0316	39.23	35.71	36.42	19.54
LM61	3.81	0.036	8.91	0.04	10.82	1.11	5.72	19.03	1.20	3.06	14.18	0.0842	0.0105	2.35	12.83	12.13	7.10
KM50	35.59	0.041	46.64	0.04	11.61	5.88	6.70	40.16	4.50	32.21	19.59	0.0097	0.2078	10.37	54.57	33.16	39.26
KM57	0.32	0.059	1.14	0.03	10.46	3.06	5.09	4.32	0.87	3.58	12.44	0.1661	0.0799	2.95	20.51	21.04	7.43
MY75	24.46	0.050	2.13	0.03	21.70	7.76	4.51	5.15	1.32	8.98	19.25	0.1787	0.1444	11.51	43.73	25.28	15.08
KM76	4.55	0.035	7.49	0.05	28.01	2.98	5.53	9.00	2.90	6.58	30.06	0.2127	0.1834	3.03	23.00	19.59	22.33
MY82	1.92	0.172	28.86	0.11	9.72	11.73	2.24	36.90	0.76	16.33	97.53	0.0765	0.0525	1.77	27.07	104.30	28.11

Min	1.22	2.35	0.25	1.17	0.28	0.08	0.35	0.05	0.27	1.80	0.05	0.14	0.01	0.11	0.01	8.14	6.34	5.27	2.55	0.32
Max	35.60	72.11	6.66	25.51	5.55	3.23	6.05	0.80	4.58	29.74	0.92	2.69	0.36	2.39	0.35	162.59	151.23	142.24	44.40	6.71
Average	15.02	30.48	3.36	15.29	3.01	1.15	3.13	0.40	2.32	13.73	0.46	1.32	0.18	1.16	0.17	91.16	77.44	67.16	20.72	3.29
Std.	11.60	24.76	2.11	8.95	1.66	0.95	1.71	0.23	1.37	8.49	0.27	0.77	0.10	0.68	0.10	52.50	49.09	46.64	12.56	1.91
HK59	32.20	54.62	5.42	18.53	3.32	0.52	3.36	0.53	3.42	18.12	0.71	2.22	0.33	2.30	0.33	145.93	127.81	114.09	25.95	5.89
