附表 1 邦布矿床不同世代黄铁矿原位微量元素组成

Appendix table 1 In situ trace element compositions of pyrite from different generations of the Bangbu deposit

测试点	期次	Ti	Cr	Mn	Co	Ni	Cu	Zn	Ag	Au	As	Se	Sn	Sb	Cs	Bi	Pb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BBMJ-1-1	PyⅠa	0.00	0.36	1.25	0.20	3.43	1.62	5.95	0.54	0.37	3442.29	7.92	0.00	0.10	0.06	0.00	0.00
BBMJ-1-2	PyⅠa	1.71	0.97	1.86	2.86	11.75	15.36	0.91	0.59	35.97	14769.46	25.10	0.00	0.53	0.28	0.01	55.44
BBMJ-1-3	PyⅠa	3.16	12.98	0.96	0.10	0.16	7.30	4.44	0.00	36.01	18005.81	13.23	0.00	0.51	0.16	0.02	6.37
BBMJ-1-7	PyⅠa	3.10	1.07	2.53	9.73	78.94	18.15	36.65	1.13	26.46	13403.16	21.46	0.00	1.31	0.00	0.05	39.39
BBMJ-1-10	PyⅠa	0.78	13.64	0.77	0.37	5.37	10.46	4.01	0.00	26.41	14673.05	32.49	0.29	0.32	0.00	0.00	158.41
BBMJ-2-8	PyⅠa	3.76	3.70	1.16	0.09	9.22	27.95	16.83	0.00	20.51	12621.44	34.49	0.08	2.52	0.12	0.05	20.30
BBMJ-2-9	PyⅠa	3.53	0.49	1.09	0.07	7.85	263.68	1772.23	5.61	38.95	9448.18	31.08	23.16	10.95	0.00	0.26	143.87
BBMJ-2-10	PyⅠa	0.65	1.42	0.84	0.01	0.00	33.60	3.36	1.02	62.49	18969.26	31.64	0.33	6.26	0.00	0.09	60.46
BBMJ-2-11	PyⅠa	2.86	0.20	1.78	0.01	12.44	497.84	3375.41	7.13	1.13	34.74	24.43	42.65	10.93	0.00	0.23	158.72
BBMJ-2-12	PyⅠa	5.97	2.19	1.54	0.71	0.18	19.91	5.74	0.05	19.61	11879.00	22.87	0.00	7.97	0.12	0.25	71.56
BBMJ-2-15	PyⅠa	0.52	0.00	1.41	0.00	22.57	28.79	5.78	0.00	69.71	20313.56	29.91	0.00	1.96	0.10	0.02	21.76
BBMJ-2-16	PyⅠa	0.91	3.32	0.76	37.21	179.13	28.35	4.09	1.11	55.05	14302.43	27.63	0.00	2.76	0.00	0.07	30.19
BBMJ-2-17	PyⅠa	0.57	0.44	0.62	0.20	0.00	11.85	6.53	0.14	47.88	13646.78	38.42	0.03	1.09	0.02	0.02	12.57
BB11-27-1-3-1	PyⅠa	1.24	3.11	1.48	76.36	234.81	203.34	940.81	1.04	40.02	10759.12	32.63	6.00	5.55	0.00	0.15	209.28
BB11-27-1-3-3	PyⅠa	0.47	0.20	0.78	4.63	15.18	20.72	4.60	0.00	97.48	19202.88	47.25	0.00	0.46	0.00	0.01	2.11
BB11-26-2-2-11	PyⅠb	1.56	0.52	1.59	583.57	2718.41	1425.31	2376.01	3.47	0.44	2.64	9.70	37.47	4.93	0.10	0.13	29.07
BB11-26-2-2-12	PyⅠb	0.75	0.32	1.09	1218.49	3317.93	77.77	2249.40	0.99	0.16	0.06	16.36	25.92	2.30	0.00	0.09	19.88
BB11-26-2-2-15	PyⅠb	4.87	2.49	1.43	192.48	3167.79	25.92	824.04	44.64	0.77	973.86	29.18	3.43	9.70	0.00	6.21	34981.15
BB11-15-1-1	PyⅡ	0.38	0.00	0.95	0.00	13.26	19.47	6.67	0.05	35.47	17080.16	6.31	0.11	0.40	0.22	0.00	4.76
BB11-15-1-2	PyⅡ	0.00	0.47	1.09	0.00	2.44	14.24	3.32	0.08	30.97	20193.24	10.12	0.09	0.70	0.00	0.01	12.33
BB11-15-1-3	PyⅡ	0.00	0.00	0.91	0.04	0.00	4.95	0.93	0.00	2.09	5441.95	11.63	0.43	0.66	0.10	0.02	10.14
BB11-15-1-5	PyⅡ	1.81	0.45	1.02	0.01	0.00	11.72	8.51	0.00	22.53	14588.74	10.47	0.15	1.71	0.03	0.02	19.79

BB11-15-1-6	PyⅡ	2.16	2.68	1.19	0.13	0.00	7.41	4.93	0.82	15.91	9003.00	9.14	0.00	0.02	0.02	0.01	3.10
BB11-15-1-7	PyⅡ	1.76	0.37	1.11	23.59	122.86	45.97	8.43	0.00	76.01	18238.61	21.09	0.00	0.17	0.00	0.00	4.86
BBMJ-7-11	PyⅡ	1.09	0.08	1.41	1.78	25.07	14.27	2.06	0.13	34.35	11270.25	26.17	0.27	0.47	0.23	0.00	6.25
BBMJ-7-13	PyⅡ	4.01	3.20	1.01	0.09	0.00	30.76	4.80	1.19	55.98	14687.84	23.18	0.01	6.13	0.13	0.09	63.15
BBMJ-7-14	PyⅡ	0.80	86.76	1.12	0.10	8.28	28.30	5.78	1.68	65.67	14292.86	18.72	0.25	2.57	0.18	0.10	84.33
BBMJ-7-15	PyⅡ	1.91	3.58	1.29	0.11	0.00	33.31	5.72	0.92	38.72	13052.15	22.47	0.15	7.28	0.00	0.12	74.93
BBMJ-7-16	PyⅡ	1.73	1.25	0.99	0.00	11.81	65.58	8.20	8.71	65.08	13922.15	23.81	0.00	4.66	0.06	0.13	63.90
BBMJ-7-17	PyⅡ	1.22	3.69	1.28	0.08	0.00	39.00	5.31	2.41	53.34	15035.64	11.41	0.00	4.53	0.00	0.48	2055.26
BBMJ-7-20	PyⅡ	2.80	12.24	1.11	0.57	11.42	50.86	4.10	1.09	73.00	21267.86	19.75	0.00	3.46	0.00	0.07	35.03
BBMJ-7-21	PyⅡ	3.32	8.38	0.82	0.00	0.00	23.11	1.52	0.40	58.85	17428.08	28.90	0.19	1.88	0.01	0.03	25.90
BBMJ-7-22	PyⅡ	0.60	4.75	0.86	0.93	0.00	46.20	26.00	1.06	44.39	11747.34	38.00	0.12	7.02	0.00	0.13	132.21
BBMJ-7-23	PyⅡ	3.51	1.20	0.73	0.03	0.00	3.14	5.97	0.02	0.34	528.96	11.97	0.00	0.22	0.06	0.01	12.74
BBMJ-4-3	PyⅡ	1.14	61.71	1.15	0.36	2.74	30.33	5.04	0.00	64.38	16468.67	23.64	0.00	3.21	0.00	0.00	0.00
BBMJ-4-4	PyⅡ	2.35	0.16	0.81	0.30	0.00	33.12	4.75	0.64	58.89	16117.37	15.61	0.00	3.19	0.10	0.07	118.17
BBMJ-4-5	PyⅡ	1.45	1.44	1.10	1.04	13.42	14.95	3.18	3.74	36.02	12398.04	20.14	0.18	2.21	0.27	0.73	6509.96
BBMJ-X-8	PyⅡ	0.00	3.48	0.18	0.00	0.00	23.17	0.00	0.00	52.05	12470.69	19.56	0.00	4.45	0.14	0.07	27.62
BBMJ-X-9	PyⅡ	4.67	2.74	1.29	0.19	0.00	17.53	11.79	0.46	24.89	11553.67	22.43	0.00	2.26	0.11	0.02	16.41
BBMJ-X-10	PyⅡ	2.86	0.00	0.52	0.15	0.00	15.19	0.61	0.69	12.54	8904.65	16.67	0.00	5.08	0.15	0.06	273.55
BBMJ-X-11	PyⅡ	6.72	11.34	1.36	0.21	0.00	33.42	14.17	2.35	43.07	14124.93	19.44	0.02	6.02	0.00	0.08	40.85
BBMJ-X-12	PyⅡ	1.95	6.27	1.06	0.07	0.00	19.16	7.36	0.64	43.10	14866.02	16.74	0.18	3.43	0.14	0.01	22.72
BBMJ-X-13	PyⅡ	2.41	0.07	1.86	0.16	21.16	17.16	6.90	0.00	11.76	10406.42	6.80	0.38	2.17	0.33	0.02	45.93
BBMJ-X-14	PyⅡ	1.46	0.00	0.89	0.07	0.00	5.73	1.99	0.30	11.02	9405.83	16.13	0.00	0.39	0.24	0.00	2.68
BBMJ-X-15	PyⅡ	2.77	0.58	0.52	0.00	6.25	49.11	3.09	0.05	41.90	13473.52	23.62	0.00	4.97	0.00	0.07	42.31
BBMJ-X-16	PyⅡ	4.41	0.96	0.74	0.00	1.47	11.47	0.34	1.86	10.18	6840.26	14.12	0.00	2.70	0.58	0.03	25.04
BBMJ-X-17	PyⅡ	2.10	3.50	0.62	0.40	0.00	43.81	7.89	0.90	34.04	11503.62	26.49	0.00	9.60	0.26	0.18	126.07
BBMJ-X-18	PyⅡ	2.54	7.79	0.62	0.01	0.00	43.58	12.77	2.38	17.13	8938.34	9.48	0.00	13.30	0.07	0.35	472.25

BBMJ-7(2)-1	PyⅡ	7.63	2.38	0.67	0.17	15.75	38.48	61.66	0.48	68.89	16771.10	17.15	1.32	3.80	0.11	0.04	44.10
BBMJ-7(2)-2	PyⅡ	3292.71	7.81	3.26	11.51	0.00	30.24	35.99	0.58	67.16	16273.99	18.65	1.09	5.79	1.48	0.17	137.33
BBMJ-7(2)-3	PyⅡ	0.00	1.46	0.64	2.53	3.29	32.92	12.03	0.77	65.12	15805.56	30.49	0.00	6.03	0.00	0.12	161.26
BBMJ-7(2)-10	PyⅡ	0.75	1.47	1.11	0.31	3.25	42.20	20.60	9.79	68.62	15076.63	18.75	0.11	4.52	0.12	0.15	449.10
BB11-27-4-1-9	PyⅢ	100.36	13.97	1.18	214.75	625.56	51.64	7.00	4.88	36.49	8387.06	13.68	0.77	13.56	0.00	0.94	306.14
BB11-27-4-1-11	PyⅢ	8.38	1.27	1.71	0.15	23.46	46.06	3.50	17.12	26.12	7419.95	13.65	0.06	12.12	0.03	0.62	1270.29
BB11-27-4-1-12	PyⅢ	162.59	3.16	1.21	57.51	583.41	13.73	4.81	104.16	12.09	6077.89	14.12	0.33	5.37	0.00	0.27	165.52
BB11-27-4-1-13	PyⅢ	160.63	18.46	1.96	15.26	51.51	54.95	7.36	6.27	7.08	2564.05	7.61	0.64	26.32	0.52	2.73	1267.93
BB11-27-4-1-14	PyⅢ	57.18	1.20	1.27	13.30	195.84	27.87	2.24	1.66	8.78	6341.76	12.96	0.32	11.28	0.10	0.51	202.98
BB11-27-4-1-15	PyⅢ	17.44	0.43	1.21	175.56	326.56	17.73	3.37	1.05	25.16	8061.49	10.99	0.16	5.97	0.00	0.17	63.77
BB11-27-4-1-16	PyⅢ	13.04	1.75	1.05	4.59	70.96	15.27	1.31	0.86	3.23	6072.04	18.27	0.37	6.46	0.00	0.17	98.63
BB11-27-4-1-18	PyⅢ	2.81	10.40	1.04	0.22	13.21	24.00	10.07	8.32	23.53	3328.75	13.36	0.27	10.86	0.19	0.34	191.77
BB11-27-4-1-19	PyⅢ	2.49	7.32	1.03	0.82	8.92	38.76	3.82	0.74	49.20	9397.25	23.25	0.12	8.97	0.00	0.15	83.53
BB11-27-4-1-20	PyⅢ	1.27	0.63	1.16	1.02	5.66	8.54	3.65	0.08	13.67	8154.50	18.70	0.28	2.71	0.00	0.07	32.08
BB11-27-4-1-21	PyⅢ	1.38	0.36	0.80	0.00	9.40	16.09	2.35	0.84	20.31	10566.47	17.43	0.12	5.71	0.07	0.10	47.49
BB11-27-4-1-22	PyⅢ	188.13	11.21	1.77	295.46	1333.33	17.53	8.09	1.78	2.83	5337.56	13.56	0.52	13.56	1.27	0.68	630.58