

中国东北部主要金矿床同位素地质学研究
附 录

中国东北部主要金矿床硫同位素数据汇编

吉林省冶金地质勘探公司研究所同位素地质室 编

1979年 长春

一、河北省主要金矿床硫同位素数据汇编

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
1	桂林所	514队	老米沟门金矿	块状矿石	黄铜矿	+0.1
2	"	"	"	"	黄铁矿	+0.4
3	"	"	"	"	黄铜矿	+0.3
4	"	"	"	"	"	+0.3
5	"	"	"	"	"	+0.3
6	"	"	"	"	"	+0.3
7	"	"	"	"	方铅矿	-1.5
8	"	"	"	"	"	-1.2
9	吉林冶地所	王义文等	"	"	"	-1.6
10	"	514队	"	"	黄铁矿	+0.5
11	"	"	"	"	黄铜矿	0.0
12	"	"	"	"	方铅矿	-1.0
13	"	"	"	"	黄铁矿	+0.9
14	"	"	"	"	黄铜矿	+0.2
15	"	"	"	"	方铅矿	-0.3
16	"	"	"	"	黄铁矿	+0.4

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
17	吉林冶地所	514队	老米沟门金矿	块状矿石	黄铜矿	+0.5
18	"	"	"	"	方铅矿	-1.2
19	"	"	"	"	黄铁矿	+0.6
20	"	"	"	"	黄铜矿	-0.2
21	"	"	"	"	方铅矿	-1.3
22	"	"	"	"	黄铁矿	+0.5
23	"	"	"	"	黄铜矿	+0.3
24	"	地质5队	金厂峪金矿区	蚀变岩	黄铁矿	-4.0
25	"	"	"	石英脉	"	-4.7
26	"	"	"	石英复脉	"	-5.0
27	"	"	"	钠长石脉	"	-3.9
28	"	"	"	石英脉	"	-4.1
29	"	"	"	石英复脉	"	+3.2
30	"	"	"	石英脉	"	-3.1
31	"	"	"	"	"	-2.9
32	"	"	"	次生石英岩	"	+1.7
33	"	"	"	石英脉	"	-1.7
34	"	"	"	"	"	+0.2

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
35	吉林冶金所	地质5队	金厂峪金矿区	石英脉	黄铁矿	-5.0
36	"	"	"	"	"	-4.3
37	"	"	"	"	"	-3.4
38	"	"	"	"	"	-2.7
39	"	"	"	"	"	-4.6
40	"	"	"	"	"	-3.9
41	"	"	"	"	"	-6.0
42	"	"	"	"	"	-2.6
43	"	"	"	"	"	-4.4
44	"	"	"	"	"	-1.9
45	"	"	"	"	"	-4.3
46	"	"	"	钠长石脉	"	-4.3
47	"	"	"	"	"	-2.1
48	"	王义文等	峪耳崖金矿区	含金矿石	"	+1.6
49	"	"	"	"	"	+2.9
50	"	"	"	"	磁黄铁矿	+3.2
51	"	"	"	"	黄铁矿	+2.7
52	"	"	"	"	"	+4.5

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
53	吉林冶地所	王义文等	峪耳崖金矿区	含金矿石	磁黄铁矿	+2.4
54	"	"	"	"	黄铜矿	+2.2
55	"	"	"	"	磁黄铁矿	+2.8
56	"	"	"	"	黄铜矿	+2.8
57	"	"	"	"	磁黄铁矿	+2.7
58	"	"	"	"	黄铁矿	+2.5
59	"	"	"	"	"	+2.3
60	"	"	"	"	"	+2.5
61	"	"	"	"	"	+2.9
62	"	"	"	"	"	+2.9
63	"	"	"	"	"	+2.5
64	"	"	"	"	"	+2.6
65	"	"	"	"	"	+2.0
66	"	"	"	"	"	+2.9
67	"	"	"	"	"	+3.0
68	"	"	"	"	"	+2.4
69	"	"	"	"	"	+2.4
70	"	"	"	"	"	+2.2

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
71	吉林冶地所	王义文等	峪耳崖金矿区	含金矿石	黄铁矿	+3.0
72	"	514队	"	"	"	+9.5
73	"	"	"	"	方铅矿	+3.4
74	"	地质4队	王营金矿	闪长岩	黄铁矿	+3.2
75	"	"	"	角砾岩	"	+2.8
76	"	"	"	"	"	+3.0
77	"	"	"	闪长岩	"	+3.1
78	"	"	"	角砾岩	"	+2.6
79	"	"	"	"	"	+2.5
80	"	"	"	"	"	+2.4
81	"	"	"	"	"	+1.9
82	"	"	"	"	"	+3.0
83	"	"	"	"	"	+1.4
84	"	"	"	"	"	+5.8
85	"	"	"	"	"	+0.9
86	"	"	"	"	"	+1.4
87	"	"	"	"	"	+1.2
88	"	"	"	"	"	+1.6

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
89	吉林冶地所	地质4队	王营金矿	角砾岩	黄铁矿	+1.4
90	"	"	"	"	"	+3.1
91	"	"	"	"	"	+2.3
92	"	"	"	"	"	+1.9
93	"	"	"	"	"	+3.9
94	"	"	"	"	"	+1.4
95	"	"	"	"	"	+1.4
96	"	"	"	"	"	+2.4
97	"	"	"	"	"	+0.9
98	"	"	"	"	"	+1.6
99	"	地质10队	洼子店金矿	蚀变岩	"	+2.3
100	"	"	"	"	"	+2.3
101	"	"	"	"	"	+1.9
102	"	"	"	"	"	+0.7
103	"	"	"	"	"	+2.3
104	"	"	"	"	"	+2.3
105	"	"	"	"	"	+2.6
106	"	"	"	"	"	+2.7

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
107	吉林治地所	地质10队	洼子店金矿	蚀变岩	黄铁矿	+2.1
108	"	"	"	"	"	+2.3
109	"	"	"	"	"	+2.7
110	"	"	"	"	"	+2.9
111	"	"	"	"	"	+3.2
112	"	"	"	"	"	+3.4
113	"	"	"	"	"	+3.2
114	"	"	"	"	"	+3.0
115	"	"	"	"	"	+3.0
116	"	"	"	"	"	+3.1
117	"	"	"	"	"	+3.3
118	"	"	"	长石斑岩	"	+0.8
119	"	"	"	"	"	-0.1
120	"	"	"	蚀变岩	"	+1.8
121	"	"	"	长石斑岩	"	+1.4
122	"	"	"	"	"	+1.1
123	"	"	"	蚀变岩	"	+1.6
124	"	"	"	"	"	+0.5

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS ³⁴
125	吉林冶地所	地质10队	注子店金矿	长石斑岩	黄铁矿	+0.6
126	"	"	"	"	"	+1.3
127	"	"	"	蚀变岩	"	+2.6
128	"	"	"	"	"	+2.5
129	"	王义文等	"	富矿石	方铅矿	+0.6
130	"	"	"	"	黄铜矿	+2.6
131	"	"	"	"	方铅矿	+0.4
132	"	"	"	"	闪锌矿	-0.1
133	"	"	"	"	黄铜矿	+2.5
134	"	"	"	"	方铅矿	+0.3
135	"	"	"	"	闪锌矿	+2.2
136	"	"	"	"	黄铜矿	+2.6
137	"	"	"	"	"	2.1
138	"	"	"	"	"	2.1
139	"	"	"	"	"	2.1
140	"	"	"	"	"	2.1
141	"	"	"	"	"	2.1
142	"	"	"	"	"	2.1
143	"	"	"	"	"	2.1
144	"	"	"	"	"	2.1
145	"	"	"	"	"	2.1
146	"	"	"	"	"	2.1
147	"	"	"	"	"	2.1
148	"	"	"	"	"	2.1
149	"	"	"	"	"	2.1
150	"	"	"	"	"	2.1

二、辽宁省主要金矿床硫同位素数据汇编

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
1	吉林冶地所	107队	五龙金矿区	含金石英脉	黄铁矿	+1.5
2	"	"	"	"	"	+1.5
3	"	"	"	"	"	+1.0
4	"	"	"	"	"	+1.6
5	"	"	"	"	磁黄铁矿	+1.8
6	"	"	"	"	黄铁矿	+1.9
7	"	"	"	"	"	+3.5
8	"	"	"	"	"	+2.4
9	"	"	"	"	磁黄铁矿	+2.3
10	"	"	"	"	黄铁矿	+1.5
11	"	"	"	"	"	+1.6
12	"	"	"	"	"	+2.5
13	"	"	"	"	"	+2.4
14	"	"	"	"	"	+2.6
15	"	"	"	"	"	+2.3
16	"	"	"	"	"	+1.7

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
17	吉林冶地所	107队	五龙金矿区	含金石英脉	黄铁矿	+2.5
18	"	"	"	"	"	+1.4
19	"	"	"	"	"	+1.2
20	"	"	"	"	"	+1.3
21	"	"	"	"	"	+1.7
22	"	"	"	"	"	+1.8
23	"	"	"	"	"	+1.4
24	"	"	"	"	"	+1.2
25	"	"	"	"	"	+3.2
26	"	"	"	"	磁黄铁矿	+3.0
27	"	"	"	"	黄铁矿	+2.6
28	"	"	"	"	"	+3.0
29	"	"	"	"	"	+2.3
30	"	"	"	"	磁黄铁矿	+1.2
31	"	"	"	"	黄铁矿	+1.4
32	"	"	"	"	磁黄铁矿	+2.6
33	"	"	"	"	黄铁矿	+1.3
34	桂林所	"	"	"	"	+1.5

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
35	桂林所	107队	五龙金矿区	含金石英脉	黄铁矿	+2.5
36	"	"	"	"	"	+0.9
37	"	"	"	"	"	+2.1
38	"	"	"	"	"	+2.9
39	"	"	M 12 异常区	"	"	+8.7
40	"	"	"	"	"	+9.9
41	"	"	"	"	"	+6.6
42	"	"	"	"	"	+5.4
43	"	"	"	"	"	+4.5
44	"	"	"	"	"	+7.1
45	"	"	"	"	"	+5.0
46	"	"	"	"	"	+9.4
47	"	"	"	"	"	+5.5
48	"	"	"	"	"	+7.6
49	"	"	"	"	"	+1.6
50	"	"	"	"	"	+8.2
51	"	"	"	"	"	+2.3
52	"	"	吕家堡子	"	"	+5.3

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
53	桂林所	107队	吕家堡子	含金石英脉	黄铁矿	+12.2
54	"	"	"	"	闪锌矿	+7.1
55	"	"	"	"	方铅矿	+4.8
56	"	"	"	"	黄铁矿	+2.4
57	"	"	"	"	方铅矿	+2.4
58	吉林冶地所	"	四道沟金矿区	含金矿石	黄铁矿	+11.4
59	"	"	"	"	"	+11.3
60	"	"	"	"	"	+11.6
61	"	"	"	"	"	+12.0
62	"	"	"	"	"	+11.9
63	"	"	"	"	"	+11.6
64	"	"	"	"	"	+11.6
65	"	"	"	"	"	+10.1
66	"	"	"	"	"	+11.4
67	"	"	"	"	"	+12.0
68	"	"	"	"	"	+12.0
69	"	"	"	"	"	+12.4
70	"	"	"	干黄泥岩	"	+12.6

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	$\delta S^{2.4}$
71	吉林冶地所	107队	四道沟金矿区	含金矿区	黄铁矿	+12.2
72	"	"	"	"	"	+10.7
73	"	"	"	"	"	+11.1
74	"	"	"	"	"	+10.9
75	"	"	"	"	"	+10.8
76	"	"	"	"	"	+11.3
77	"	"	"	"	"	+10.8
78	"	"	"	"	"	+10.7
79	"	"	"	"	"	+11.2
80	"	"	"	"	"	+11.8
81	"	"	"	"	"	+12.1
82	"	"	"	"	"	+11.6
83	"	"	"	"	"	+10.4
84	"	"	"	"	"	+10.8
85	"	"	"	"	"	+11.0
86	"	"	"	"	"	+11.0
87	"	"	"	"	"	+10.9
88	"	"	"	"	"	+10.6

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS ³⁴
89.5	吉林地质所	107队	四道沟金矿区	含金矿石	黄铁矿	+10.87
90.0	"	"	"	"	"	+10.97
91.1	"	"	"	"	"	+10.77
92.0	"	"	"	"	"	+11.97
93.0	"	"	"	"	"	+11.27
94.1	"	"	"	"	"	+11.37
95.0	"	"	"	"	"	+11.77
96.0	"	"	"	"	"	+11.87
97.1	"	"	"	"	"	+11.07
98.1	"	"	"	"	"	+11.08
99.1	"	"	"	"	"	+11.08
99.1	"	"	"	"	"	+11.18
99.0	"	"	"	"	"	+10.88
99.0	"	"	"	"	"	+10.88
99.1	"	"	"	"	"	+10.68
99.1	"	"	"	"	"	+10.68
99.0	"	"	"	"	"	+10.78
99.0	"	"	"	"	"	+10.28

三、吉林省主要金矿床硫同位素数据汇编

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^{34}
1	吉林冶地所	黄建等	二道沟金矿区	含金石英脉	黄铁矿	+7.5
2	"	"	"	"	"	+7.3
3	"	"	"	"	"	+6.3
4	"	"	"	"	"	+5.6
5	"	"	"	"	"	+7.3
6	"	"	"	"	"	+3.0
7	"	"	"	"	"	+5.6
8	"	"	"	"	"	+4.6
9	"	"	"	"	"	+4.6
10	"	"	"	"	"	+3.6
11	"	"	"	"	"	+4.1
12	"	"	"	"	"	+8.9
13	"	"	"	"	闪锌矿	+3.5
14	"	"	"	"	黄铁矿	+4.2
15	"	"	"	"	"	+1.5
16	"	"	"	"	"	+5.1

顺序号	测定实验室	采样者	采样地点	地质特征	测定对象	δS^4
17	吉林冶地所	黄建等	二道沟金矿区	含金石英脉	黄铁矿	+3.4
18	"	"	"	"	"	+5.2
19	"	"	"	"	"	+2.9
20	"	"	"	"	"	+5.6
21	"	"	"	"	"	+5.2
22	"	"	"	"	"	+8.3
23	"	"	"	"	"	+2.6
24	"	"	"	"	"	+4.3
25	"	"	"	"	"	+6.2
26	"	"	"	"	"	+9.0
27	"	"	"	"	"	+8.6
28	"	"	"	"	"	+6.2
29	"	"	"	"	闪锌矿	+3.7
30	"	"	"	"	"	+5.0
31	"	"	"	"	"	+4.5
32	"	"	"	"	方铅矿	+3.6
33	"	"	"	"	"	+3.7
34	"	"	"	"	黄铁矿	+7.6