

Table XXXIV: Spectrographic analyses of sphalerite

	1	4	5	6	8	9	10	11	14	17	18a	18b	19	21	22	23	26	27	28	
Boron	-	-	-	-	-	tr	-	tr	-	-	-	-	-	-	-	-	-	-	-	tr
Silicon	.06	.03	.06	.12	.03	.008	.2	.4	.01	.02	.03	.03	.06	.01	.7	.03	.12	.03	.70	
Aluminum	.03	-	.002	tr	tr	-	tr	.004	tr	-	tr	-	tr	-	-	tr	-	-	.004	
Magnesium	tr	tr	.03	tr	tr	.01	-	tr	tr	tr	tr	tr	tr	-	tr	tr	tr	tr	tr	.03
Calcium	.02	tr	.04	tr	tr	-	tr	.02	tr	tr	.03	.05	.02	tr	tr	tr	tr	tr	tr	.04
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.05	-	-	-	-	
Iron	.03	.88	.10	.015	.08	.01	.69	.006	.57	.86	.015	.15	.03	.76	.03	.23	.70	.40	.15	
Manganese	.002	.014	.05	.011	tr	.002	.008	.02	.004	.004	.007	tr	.007	.002	tr	.008	.018	.006	.05	
Zinc	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30	>30
Cadmium	.02	.02	.09	.02	.23	.8	.35	.20	.21	.024	.01	.02	.02	.14	.02	.17	.13	.04	.30	
Lead	-	-	tr	-	-	.01	.03	.90	-	-	.03	tr	-	-	.06	-	-	-	.30	
Copper	.002	.002	.01	.005	.003	.01	.35	.20	.001	.05	.05	.005	.005	.002	.25	tr	.002	.001	.01	
Gold	-	-	-	-	-	-	.002	-	-	-	-	-	-	-	-	-	-	-	-	
Silver	tr	-	tr	>.01	tr	>.01	>.01	>.01	tr	tr	>.01	tr	>.01	tr	>.01	tr	tr	tr	tr	tr
Bismuth	.08	-	-	-	-	tr	-	tr	-	-	-	-	-	-	-	-	-	-	-	
Mercury	-	.08	-	tr	.24	-	.16	.07	tr	.24	.08	.16	.08	tr	.16	tr	.05	tr	-	
Tin	-	-	-	-	-	-	-	.004	-	.004	-	-	-	-	-	-	-	-	-	
Antimony	-	-	-	-	-	tr	.015	.04	-	.015	.15	tr	-	-	-	-	-	-	tr	
Arsenic	-	-	-	-	-	-	-	.30	-	-	-	-	-	-	-	-	-	-	-	
Gallium	-	-	tr	.03	-	.025	.03	.01	-	.01	.02	.005	.02	.005	.005	-	-	-	-	
Germanium	-	-	-	.002	.02	.004	.002	.002	-	tr	.002	-	.003	-	-	-	-	-	-	
Indium	.006	.02	-	.01	-	.01	.006	.025	-	.37	.010	.025	.006	-	-	-	tr	-	tr	

Elements looked for but not found: alkalies, Ba, Sr, Ba, Tl, V, Cr, Co, Ni, Te, Er, Hf, Nb, Ta, Mo, W, Re, Pt, Sc, Y, Th, U, B, P, Tl.

Localities

1.	Calders vein,	Caldera level,	Lira mine,	specimen	C-145
4.	Lira vein,	" "	" "	"	C-235
5.	Mata Caballo vein,	480 level,	Sta. Taresita mine,	"	C-187
6.	Caudalosa vein,	San Felix level,	Caudalosa mine,	"	C-107
8.	" "	610 level,	" "	"	C-30
9.	" "	" "	" "	"	C-219
10.	" "	" "	" "	"	C-173
11.	" "	570 level,	" "	"	C-225
14.	" "	" "	" "	"	C-217
17.	San Pedro vein,	610 level,	" "	"	C-90
18a.	" " "	" "	" "	"	C-241, fine grained
18b.	" " "	" "	" "	"	C-241, coarse-grained
19.	" " "	" "	" "	"	C-240
21.	Entrada vein,	580 level,	Madona mine,	"	C-180
22.	San Julián Norte vein,	A level,	San Genaro mine,	"	C-283
23.	San Julián vein,	San Genaro level,	" " "	"	C-25
26.	" " "	" " "	" " "	"	C-28
27.	Quespisisa vein,	35 level,	" " "	"	C-24
28.	Bella-Aranzazu vein,	Dump,	Rápida mine,	"	C-226