

078

TABLE 4.

221079

CHEMICAL COMPOSITION OF WRIGGLITES

Element	Moina - Tas. Bulk sample from dumps, ppm.	Mt. Garnet - Qld. Bulk sample from percussion cuttings, ppm.	Kazah - U.S.S.R. from Zasedatelev (1973), ppm.
F	9.9%	16%	9 - 12%
Ca	15.2%	20%	14%
Si	11.3%	10%	2.5 - 9%
Al	3.9%	4%	4 - 6%
Fe	20.7%	14%	30 - 40%
Mg	1.4%	0.3%	0.26 - 0.6%
Mn		0.3%	0.09 - 0.15%
Cu	120	300	
Pb	75	100	
Zn	810	3000	0.7 - 1.2%
Ag	(0.1)	4	
Au	.035	<0.5	
Be	30	250	1400 - 2500
Sn	2250	1500	400 - 500
W	1400	300	300 - 2500
Bi	350	250	
Mo	115	25	300 - 400
Cd		5	
Ni		30	
Cr		(50)	
V		(10)	
Ta		(<100)	
Nb		(< 20)	
Th		(<100)	
Pt, Pd, Os		(< 10)	
Ir, Rh, Ru		(< 2)	
Ga		(10)	
Ge		(3)	
As		(< 50)	
Sb	45	(< 30)	
Na		(1500)	
Ba		(200)	
Sr		(50)	
Y		(30)	
La		(<100)	
Ce, Nd		(<300)	
Pr		(<100)	
Ti		(600)	
Er		(<100)	
Sc		(< 50)	100 - 200
Eu		< 50	
S			300 - 400
Density		3.5	

NOTES: 1. Fluorine determined by distillation, fusion and specific ion electrode, and neutron activation analysis. Other elements by a variety of laboratories and methods, but chiefly atomic absorption spectrometry. Analyses quoted are approximate averages of various analyses.

2. Figures in brackets are semi-quantitative spectrographic analyses.