

Supplementary Table 3: Centered Log-Ratio (CLR) transformed geochemical dataset used for multivariate statistical analysis and Principal Component Analysis.

Samples	Lithology	Fe	Mg	Ca	K	S	Mn	Ba	Sr	Rb	Cs	Au	Ag	Cu	Pb	Zn	Mo	W	As	Sb	Bi	Te
S1	Quartz veins	7.495	5.462	3.575	4.363	1.272	4.034	0.762	0.035	-0.753	-3.184	-0.505	-3.150	3.744	-1.508	0.405	-1.912	-4.942	-1.253	-2.157	-6.146	-5.635
S2	Quartz veins	7.255	3.942	4.893	5.945	4.200	3.627	3.999	4.942	0.689	-2.773	-1.356	-4.094	-0.167	-2.580	-2.397	-4.230	-4.189	-3.026	-2.860	-5.329	-6.492
S3	Shear zones	8.859	2.187	6.701	1.088	4.266	5.348	3.522	4.992	-3.422	-6.330	-1.907	-5.724	-0.707	-1.991	7.087	-4.230	-1.830	-3.047	-2.761	-5.925	-6.176
S4	Shear zones	5.223	3.054	4.501	0.975	4.153	2.492	4.558	4.225	-4.547	-6.626	0.059	-3.124	0.437	5.619	-2.244	-4.407	-5.240	-3.853	8.219	-7.542	-5.933
S5	Shear zones	7.824	3.713	8.201	2.173	1.768	5.891	3.568	1.109	-3.061	-3.766	-2.614	-2.599	3.358	-1.259	-0.486	-2.490	-5.833	1.831	-3.357	-7.443	-6.526
S6	Quartz veins	6.927	5.710	8.544	3.942	1.303	4.681	2.872	2.656	-2.139	-5.268	-1.194	-2.378	1.227	-0.601	-0.530	-2.532	-4.506	-0.904	-3.603	-7.907	-6.298
S7	Quartz veins	7.880	4.126	8.528	2.739	0.254	6.359	2.383	1.831	-2.405	-3.609	-2.672	-4.058	0.061	5.924	6.730	-3.000	-5.960	-5.267	-4.930	-8.263	-6.653
S8	Shear zones	8.669	3.223	4.857	2.242	3.015	5.996	4.411	2.592	-2.673	-4.196	-2.074	-2.998	-1.842	-3.199	-0.859	-3.073	-5.359	-2.127	6.665	-6.121	-7.150
S9	Shear zones	7.641	2.277	4.069	1.584	4.418	5.903	4.435	5.041	-3.126	-4.987	-0.949	-1.519	-0.495	-1.263	-0.941	-2.532	-5.323	-2.926	0.949	-6.240	-6.017
S10	Silicified zones	6.648	0.837	5.491	1.243	3.088	2.413	3.565	2.103	-4.279	-7.457	-2.014	-1.769	4.589	-0.402	-3.075	-0.842	-4.684	0.020	-2.197	0.968	-4.246
S11	Silicified zones	5.574	3.035	4.981	7.429	1.243	1.853	3.145	1.170	1.713	-1.624	-1.328	-1.874	-0.034	0.739	-1.976	-3.172	-2.446	-3.180	-5.328	-3.561	-6.358
S12	Silicified zones	6.946	3.064	3.757	4.163	2.371	2.502	2.707	-0.347	-0.873	-2.989	-0.190	-0.503	1.403	-1.040	-1.541	-1.675	-4.537	-2.340	-3.844	-2.275	-4.760
S13	Fractured schists	5.395	2.304	4.789	7.998	0.918	1.933	3.739	2.243	2.185	-0.191	-0.923	-1.192	-1.092	1.226	-2.301	-2.636	-4.603	-3.351	-4.464	-5.990	-5.990
S14	Fractured schists	5.894	2.562	3.660	4.381	0.077	1.363	1.301	0.981	-1.278	-3.588	-2.449	-3.704	-0.506	6.168	0.225	-2.968	-4.751	-1.904	7.098	-5.732	-6.831
S15	Quartz veins	6.126	6.283	7.891	3.313	0.828	3.882	1.010	0.486	-2.019	-4.645	-0.998	-1.148	0.564	0.651	0.350	-2.806	-4.693	-2.168	-3.682	-3.146	-6.080
S16	Quartz veins	6.467	3.222	5.119	2.817	1.430	2.474	0.514	-1.740	-2.012	-4.689	-1.649	-2.824	0.091	0.044	-1.095	-1.819	-4.784	-1.417	9.773	-4.448	-5.477
S17	Quartz veins	6.984	3.962	4.198	5.697	0.561	2.472	1.659	1.565	0.169	-2.624	-1.251	-1.245	-0.779	-0.972	1.181	-2.633	-3.089	-0.684	-4.005	-4.821	-6.347
S18	Quartz veins	6.489	3.795	5.424	5.453	0.799	2.589	1.135	0.930	-0.166	-3.050	-1.659	-1.625	-1.338	-1.904	0.973	-3.312	-3.624	-0.873	2.346	-5.578	-6.802
S19	Shear zones	7.377	7.622	8.699	1.154	1.154	4.443	1.742	1.393	-4.655	-7.140	-1.265	-1.260	0.420	-0.281	0.213	-2.891	-1.693	0.481	-3.311	-5.754	-6.447
S20	Shear zones	6.799	5.177	4.417	6.815	0.356	2.595	2.358	0.407	1.730	-0.178	-1.358	-1.273	-2.097	-0.808	0.693	-3.425	-2.221	-3.661	-5.328	-4.447	-6.551
S21	Quartz veins	7.238	5.408	7.656	5.150	5.367	2.829	3.235	1.294	-0.437	-3.503	-2.063	-5.619	-1.136	-1.288	0.295	-2.914	-3.673	-1.014	-2.815	-7.005	-7.005
S22	Quartz veins	5.997	3.821	7.472	5.357	1.778	3.233	1.749	-0.355	0.106	-3.138	-2.539	-2.389	1.633	-0.307	-1.277	-3.280	-4.678	0.132	1.269	-6.814	-7.769
S23	Quartz veins	6.633	3.008	5.451	3.702	1.622	4.054	1.622	0.228	-1.648	-4.592	-0.055	0.070	-0.742	-1.597	-1.597	-1.342	-4.592	-1.457	3.414	-6.895	-5.286
S24	Quartz veins	9.051	3.020	4.778	3.713	2.104	7.491	2.664	2.319	-3.194	-5.602	-0.926	-0.688	-1.078	-1.736	0.849	-0.898	-5.497	-2.553	0.173	-7.800	-6.190
S25	metasedimentary rocks	5.509	2.485	3.523	5.036	2.136	1.731	1.319	-0.060	-0.175	-3.389	-2.432	-2.480	-1.308	3.698	0.374	-4.676	-5.177	-0.950	7.348	-5.516	-6.994
S26	metasedimentary rocks	6.331	5.939	7.817	5.029	1.190	2.694	1.691	1.182	-0.136	-3.176	-2.627	-4.160	-0.582	-0.359	0.196	-3.483	-4.214	-1.218	0.345	-5.536	-6.922
S27	metasedimentary rocks	6.306	2.418	4.680	2.746	3.024	4.462	1.195	-0.129	-2.193	-4.031	-2.472	-2.520	-1.456	3.522	0.215	-2.826	-6.687	-1.028	7.796	-6.282	-6.739
S28	Quartz veins	4.653	1.632	4.096	4.030	1.856	0.934	0.508	-0.074	-1.009	-4.194	-1.140	-1.491	-0.042	5.461	0.276	-3.994	-6.662	-0.685	6.238	-4.320	-6.074
S29	Quartz veins	5.401	1.540	2.793	4.485	3.961	2.326	0.847	-0.570	-0.767	-4.181	-3.418	-5.445	-1.008	3.598	3.103	-3.618	-5.368	-0.568	8.566	-4.700	-6.977
S30	Quartz veins	6.858	5.589	3.214	3.214	1.134	2.975	1.134	-1.539	-1.713	-3.917	-1.099	-0.721	0.520	-0.783	1.283	-2.286	-1.766	-1.766	-2.201	-2.356	-5.773