

SUPPLEMENTARY MATERIAL 3 TO:

Dobrzyński, D., Tettejer, K., Stępień, M., Karasiński, J., Tupys, A. & Słaby, E., 2023. Geochemistry of germanium in thermal waters of the Jelenia Góra geothermal system (Sudetes, Poland): solute relationships and aquifer mineralogy. *Annales Societatis Geologorum Poloniae*, 93: 323–344.

FACTOR ANALYSIS. FACTOR LOADS OF PHYSICOCHEMICAL DATA MATRIX AND EIGENVALUES FOR THE THERMAL WATERS STUDIED

	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
Eigenvalue	18.240	4.324	3.168	2.380	1.665
Cumulated eigenvalue	18.240	22.564	25.731	28.111	29.776
% of explained variation	46.769	11.087	8.122	6.102	4.270
Cumulated % of explained variation	46.769	57.856	65.978	72.080	76.350
pH	-0.743	-0.026	-0.222	-0.388	0.118
T	-0.251	0.198	-0.743	0.032	0.196
Eh	0.489	0.249	0.667	0.101	0.150
Li	0.774	0.417	-0.052	0.025	0.235
Na	0.494	0.669	0.282	-0.192	0.019
K	0.970	-0.027	0.125	0.160	-0.012
Rb	0.936	0.140	0.157	0.163	0.191
Cs	0.751	0.060	-0.065	0.088	0.553
Be	0.044	0.527	-0.475	0.390	0.111
Mg	0.966	-0.132	-0.009	0.064	0.062
Ca	0.969	-0.052	0.183	0.076	-0.043
Sr	0.963	0.004	0.200	0.066	-0.004
Ba	0.010	0.261	0.001	-0.017	0.016
U	0.929	-0.164	0.033	0.150	-0.023
V	0.887	-0.083	0.121	-0.132	0.022
Mo	-0.611	-0.179	-0.522	-0.252	0.410
W	-0.818	0.137	-0.452	-0.223	0.131
Mn	0.840	0.044	0.069	0.121	-0.112
Cu	0.735	0.018	0.023	-0.301	-0.161
Ag	0.435	0.092	0.083	-0.152	-0.161
Zn	0.320	-0.174	0.525	-0.156	0.096
Cd	0.384	-0.216	-0.003	0.205	0.161
B	-0.693	0.415	-0.319	-0.112	0.108
Al	-0.048	0.299	-0.166	0.502	-0.172
Ga	-0.047	0.119	-0.786	-0.048	0.463
Tl	0.873	-0.105	0.242	0.106	-0.172
Si	-0.187	0.840	-0.134	0.122	0.405
Ge	-0.244	0.673	-0.443	-0.061	-0.145
P	0.869	-0.200	0.108	0.135	0.087
As	-0.389	0.150	-0.421	-0.230	0.587
Sb	0.849	-0.146	0.282	0.325	0.092
Se	0.448	-0.142	0.133	0.796	0.034
Br	0.316	0.011	0.160	0.875	0.031
Cl ⁻	-0.054	0.341	0.680	0.259	0.223
F ⁻	-0.818	0.157	-0.368	-0.216	0.225
NO ₃ ⁻	0.578	-0.364	-0.079	0.449	-0.086
S ⁻²	-0.073	-0.188	-0.019	-0.017	-0.795
SO ₄ ²⁻	-0.204	0.603	0.291	0.429	0.192
HCO ₃ ⁻	0.832	0.108	0.290	0.278	0.136

Significant values ($\geq |0.5|$) are in bold