

Variable	pH	P_ppm	K_ppm	Mg_ppm	Ca_ppm	S_ppm	Mn_ppm	Cu_ppm	B_ppm	Zn_ppm	Mo_ppm	Fe_ppm	Na_ppm	CEC_mech_100g	Co_1	N_2	Cl	Cu_1	Zn_1	Pb_3	Ni_1	As_1	Cd_3	Hg_1	Cr_1	CLAY_%_1	SILT_%_1	SAND_%_1	Organic
Moisture																													
Net_CV	-0.096	-0.393	0.125	0.272	0.175	-0.017	-0.325	0.097	-0.203	0.134	-0.156	0.167	0.578	0.150	-0.351	0.348	0.570	0.364	0.245	0.503	0.160	-0.153	0.285	0.446	0.202	0.384	0.511	-0.491	0.433
Ash_1	0.118	0.417	0.315	0.338	-0.105	0.657	-0.493	0.447	0.114	0.198	-0.418	0.382	-0.116	-0.071	-0.609	-0.038	-0.336	0.047	-0.396	-0.272	-0.465	-0.726	-0.646	-0.193	-0.206	-0.105	-0.305	0.213	-0.013
Volatile_matter_1	0.124	-0.621	0.002	-0.145	0.437	-0.039	-0.100	-0.385	0.024	-0.487	0.498	0.227	0.614	0.374	0.084	0.359	0.414	0.079	0.293	0.282	0.424	0.244	0.366	0.309	0.561	0.696	0.771	-0.743	0.330
GCV_2	-0.130	-0.452	-0.509	-0.367	-0.050	0.097	-0.103	-0.100	-0.162	-0.445	0.094	0.394	0.306	0.165	-0.134	0.054	-0.059	-0.130	-0.326	-0.075	-0.268	-0.006	-0.351	-0.417	-0.082	-0.263	0.138	0.041	-0.124
C_1	0.285	-0.180	-0.076	-0.176	0.255	0.295	-0.099	-0.232	0.345	-0.399	0.219	-0.148	-0.215	0.186	0.225	0.167	-0.257	-0.193	0.142	-0.085	0.189	0.269	0.163	-0.139	0.212	-0.058	0.022	0.002	0.056
H_2	0.303	0.116	0.581	0.699	0.204	0.608	-0.184	0.556	0.503	-0.142	-0.298	-0.130	0.175	0.200	-0.359	0.344	0.324	0.604	-0.116	-0.193	0.172	-0.289	0.097	0.148	0.030	0.173	-0.076	-0.081	0.425
N_1	-0.258	-0.021	-0.077	0.147	-0.223	0.398	-0.555	0.262	0.035	0.037	-0.059	0.494	-0.118	-0.276	-0.364	-0.071	-0.611	0.041	0.177	0.266	-0.113	-0.153	-0.020	-0.545	-0.066	-0.241	-0.195	0.222	-0.153
Sulphur_2	0.072	0.336	0.330	0.075	-0.091	0.477	-0.394	0.000	0.184	-0.098	-0.303	0.203	-0.381	-0.094	-0.392	-0.194	-0.244	-0.259	-0.360	-0.379	-0.279	-0.318	-0.448	0.007	-0.193	-0.012	-0.351	0.217	-0.123
Chlorine_2	-0.127	0.260	0.121	0.272	-0.286	0.176	-0.042	0.437	0.187	0.288	-0.283	-0.119	-0.298	-0.134	-0.055	-0.239	0.194	0.011	-0.038	-0.102	0.004	-0.145	-0.200	-0.281	-0.516	-0.421	0.443	-0.067	
Ba	-0.544	0.051	-0.202	0.070	-0.492	0.209	-0.377	0.061	-0.385	0.148	-0.416	0.575	0.008	-0.554	-0.458	-0.235	-0.318	-0.037	0.093	0.526	-0.344	-0.307	-0.037	-0.463	-0.421	-0.359	-0.211	0.286	-0.224
Cr	0.009	0.002	-0.219	-0.159	-0.086	0.396	-0.395	-0.001	-0.105	-0.176	-0.314	0.307	-0.124	0.001	-0.389	-0.101	-0.290	-0.283	-0.470	-0.237	-0.474	-0.370	-0.503	-0.337	-0.265	-0.294	-0.233	0.266	-0.168
Co	0.144	0.363	0.345	0.370	-0.059	0.671	-0.495	0.504	0.275	0.195	-0.300	0.326	-0.184	-0.052	0.065	-0.380	0.098	-0.237	-0.243	-0.355	-0.647	-0.537	-0.170	-0.083	-0.147	-0.292	0.213	0.056	
Cu	0.042	0.428	0.172	0.139	-0.195	0.471	-0.325	0.294	0.006	0.241	-0.281	0.371	-0.153	-0.118	-0.444	-0.156	-0.461	-0.090	-0.333	-0.219	-0.466	-0.523	-0.696	-0.284	-0.233	-0.188	-0.285	0.254	-0.164
Mo	0.286	0.608	0.317	0.123	0.046	0.192	-0.032	0.097	0.093	0.222	-0.047	0.016	-0.332	-0.097	-0.049	-0.227	-0.343	-0.184	-0.265	-0.420	-0.219	-0.466	-0.333	-0.015	0.219	-0.286	0.096	-0.149	
Ni	0.034	0.313	0.103	0.129	-0.158	0.517	-0.427	0.249	0.097	0.037	0.433	0.226	-0.138	-0.444	-0.136	-0.360	-0.153	0.420	-0.327	0.456	0.519	0.498	0.249	0.303	0.307	0.462	0.395	-0.134	
V	0.232	0.424	0.440	0.460	0.053	0.671	-0.542	0.488	0.322	0.174	-0.265	0.247	-0.054	-0.465	0.051	-0.366	0.119	-0.192	-0.275	-0.232	-0.664	-0.347	-0.109	0.004	0.049	0.324	0.146	0.085	
Zn	-0.210	0.173	0.296	0.240	-0.140	0.282	-0.595	0.166	-0.079	0.333	-0.040	0.623	0.018	-0.274	-0.464	-0.071	-0.356	0.009	0.240	0.326	-0.118	-0.414	-0.153	-0.017	0.112	-0.256	0.067	-0.134	-0.013
Sb	-0.582	0.099	0.115	0.277	-0.488	0.746	-0.818	0.518	-0.206	0.265	-0.430	0.952	0.431	-0.731	0.090	0.060	-0.012	-0.797	-0.315	-0.925	-0.911	-0.843	-0.069	-0.179	0.169	0.320	-0.253	0.172	
As	-0.602	-0.037	-0.043	-0.027	-0.644	0.572	-0.522	0.367	-0.169	0.192	-0.411	0.711	0.333	-0.012	-0.524	0.241	0.358	-0.180	-0.695	-0.253	-0.890	-0.678	-0.843	-0.060	-0.276	-0.299	0.097	0.171	0.180
Hg	-0.172	-0.410	-0.511	-0.753	-0.089	-0.514	0.392	-0.976	-0.551	-0.748	-0.243	-0.577	0.203	0.668	0.133	-0.567	0.375	-0.596	0.134	0.767	0.349	0.841	0.401	-0.363	-0.575	-0.300	0.342	0.114	-0.823
Br	0.326	0.941	0.900	0.728	-0.488	0.831	-0.543	0.133	0.294	0.706	-0.547	0.309	-0.450	-0.855	-0.534	-0.473	0.352	-0.345	-0.440	-0.698	-0.326	-0.491	-0.565	0.786	-0.230	0.569	-0.752	0.026	0.186
Cd_2	-0.769	0.426	-0.083	0.372	-0.704	-0.336	0.418	0.497	-0.591	0.769	-0.716	0.237	-0.211	-0.697	-0.520	-0.484	0.021	0.044	-0.358	0.320	-0.822	-0.661	-0.454	0.115	-0.652	-0.509	-0.564	0.595	-0.311
Pb_2	0.398	0.459	0.772	0.216	0.181	0.253	0.043	-0.403	0.232	-0.076	-0.427	-0.337	-0.378	0.049	-0.108	-0.056	0.696	-0.637	-0.354	-0.598	0.009	-0.144	-0.117	0.913	-0.130	0.431	-0.121	-0.187	0.523
Al2O3_1	0.075	-0.297	-0.271	-0.247	0.120	0.197	-0.254	-0.0																					