Supplement Information

Table 1S. Correlation analysis of concentration (C data) and the normalized (N data) of the elements (Pair wise Pearson Correlations, N=47)

Var	Var	**Corr**	95% CI for ρ	**p-Value**	Var	Var	**Corr**	95% CI for ρ	**p-Value**
As(N)	As	0.863	(0.765, 0.922)	0.000	Cr(N)	Ni	0.862	(0.764, 0.921)	0.000
Cu(N)	As	-0.422	(-0.632, -0.153)	0.003	Ni(N)	Ni	0.911	(0.844, 0.949)	0.000
Zn	Cd	0.436	(0.170, 0.643)	0.002	Co(N)	Ni	0.573	(0.343, 0.739)	0.000
Fe	Cd	0.453	(0.191, 0.655)	0.001	Fe(N)	Ni	0.830	(0.713, 0.902)	0.000
Pb	Cu	0.522	(0.277, 0.704)	0.000	Fe	Co	0.518	(0.272, 0.701)	0.000
Zn	Cu	0.654	(0.451, 0.792)	0.000	Cr(N)	Co	0.603	(0.382, 0.759)	0.000
Fe	Cu	0.464	(0.204, 0.663)	0.001	Ni(N)	Co	0.560	(0.325, 0.730)	0.000
Pb	Hg	0.406	(0.135, 0.621)	0.005	Co(N)	Co	0.793	(0.655, 0.880)	0.000
Zn	Hg	0.479	(0.222, 0.673)	0.001	Fe(N)	Co	0.558	(0.322, 0.728)	0.000
Fe	Hg	0.572	(0.341, 0.738)	0.000	Cu(N)	Cd(N)	0.631	(0.420, 0.777)	0.000
Hg(N)	Hg	0.569	(0.338, 0.736)	0.000	Hg(N)	Cd(N)	0.430	(0.163, 0.638)	0.003
Pb(N)	Pb	0.83	(0.713, 0.902)	0.000	Zn(N)	Cd(N)	0.660	(0.459, 0.796)	0.000
Fe	Zn	0.416	(0.147, 0.628)	0.004	Hg(N)	Cu(N)	0.507	(0.258, 0.693)	0.000
Zn(N)	Zn	0.501	(0.250, 0.689)	0.000	Pb(N)	Cu(N)	0.608	(0.388, 0.762)	0.000
Ni	Cr	0.892	(0.814, 0.939)	0.000	Zn(N)	Cu(N)	0.765	(0.613, 0.863)	0.000
Co	Cr	0.711	(0.532, 0.829)	0.000	Zn(N)	Hg(N)	0.575	(0.344, 0.740)	0.000
Fe	Cr	0.507	(0.257, 0.693)	0.000	Ni(N)	Cr(N)	0.915	(0.852, 0.952)	0.000
Cr(N)	Cr	0.926	(0.871, 0.959)	0.000	Co(N)	Cr(N)	0.683	(0.492, 0.811)	0.000
Ni(N)	Cr	0.823	(0.701, 0.898)	0.000	Fe(N)	Cr(N)	0.743	(0.580, 0.849)	0.000
Co(N)	Cr	0.569	(0.337, 0.736)	0.000	Co(N)	Ni(N)	0.744	(0.581, 0.850)	0.000
Fe(N)	Cr	0.684	(0.494, 0.812)	0.000	Fe(N)	Ni(N)	0.868	(0.773, 0.924)	0.000
Co	Ni	0.615	(0.398, 0.767)	0.000	Fe(N)	Co(N)	0.724	(0.552, 0.837)	0.000
Fe	Ni	0.576	(0.346, 0.741)	0.000					

Var – Variable; Corr – Correlation