

**Table S1.** Average, maximum and minimum concentrations (mg/Kg ww) of all the analysed elements (N=15 per site).

	Sampling Site	Average $\pm$ Standard Deviation	Maximum	Minimum
As	VC	9.25 $\pm$ 3.26	18.12	5.58
	Mt	22.71 $\pm$ 10.96	42.63	7.38
	Er	36.54 $\pm$ 5.69	43.65	24.82
	CR	29.31 $\pm$ 13.82	53.51	0.00
	Si	30.55 $\pm$ 6.32	40.95	20.51
	Sa	33.48 $\pm$ 12.50	65.67	20.78
Br	VC	5.03 $\pm$ 1.74	8.90	2.64
	Mt	39.83 $\pm$ 34.54	103.99	3.72
	Er	82.61 $\pm$ 18.85	120.96	49.80
	CR	71.79 $\pm$ 20.22	129.03	44.68
	Si	87.27 $\pm$ 17.89	130.87	66.53
	Sa	69.78 $\pm$ 25.09	134.49	33.30
Ca	VC	275.18 $\pm$ 280.17	90.40	1257.60
	Mt	1329.11 $\pm$ 981.60	269.09	2912.77
	Er	2845.95 $\pm$ 873.35	1547.69	4744.91
	CR	2744.87 $\pm$ 1440.28	1108.06	6337.32
	Si	2011.18 $\pm$ 503.01	1024.83	3213.22
	Sa	1549.99 $\pm$ 551.41	741.38	3042.55
Cl	VC	174.07 $\pm$ 132.23	26.00	484.11
	Mt	1165.64 $\pm$ 1070.91	77.82	3102.90
	Er	3487.83 $\pm$ 865.10	1840.23	5466.28
	CR	2338.80 $\pm$ 793.28	1262.31	3695.97
	Si	3191.25 $\pm$ 639.92	2054.38	4579.49
	Sa	1880.68 $\pm$ 578.00	667.72	2617.69
Cr	VC	0.15 $\pm$ 0.51	2.01	0.00
	Mt	0.08 $\pm$ 0.16	0.55	0.00
	Er	0.35 $\pm$ 0.12	0.47	0.00
	CR	0.25 $\pm$ 0.22	0.69	0.00
	Si	0.33 $\pm$ 0.17	0.71	0.00
	Sa	0.29 $\pm$ 0.13	0.50	0.00
Cu	VC	0.40 $\pm$ 0.30	1.15	0.15
	Mt	0.64 $\pm$ 0.33	1.17	0.18
	Er	1.04 $\pm$ 0.22	1.55	0.71
	CR	1.18 $\pm$ 0.34	1.80	0.63
	Si	0.88 $\pm$ 0.21	1.22	0.59
	Sa	0.92 $\pm$ 0.16	1.30	0.62
Fe	VC	4.03 $\pm$ 2.37	10.44	2.37
	Mt	48.6 $\pm$ 55.7	197.3	2.45
	Er	83.5 $\pm$ 35.0	152.4	31.96
	CR	59.8 $\pm$ 19.5	103.3	28.12
	Si	30.6 $\pm$ 34.8	154.9	12.60
	Sa	72.2 $\pm$ 50.9	211.4	21.01
K	VC	7918.88 $\pm$ 2734.59	5539.83	14010.57
	Mt	8252.62 $\pm$ 3743.99	2162.72	18466.20
	Er	6063.08 $\pm$ 930.34	4115.47	7854.20
	CR	5787.91 $\pm$ 1220.96	4139.43	8071.57
	Si	4856.83 $\pm$ 1099.20	3181.55	7663.11

	Sa	$4747.90 \pm 1458.32$	2733.60	6615.08
Mn	VC	$0.20 \pm 0.08$	0.42	0.07
	Mt	$1.43 \pm 1.29$	3.37	0.00
	Er	$2.22 \pm 0.82$	4.05	1.33
	CR	$2.28 \pm 0.65$	3.70	1.12
	Si	$1.58 \pm 0.66$	2.95	0.82
	Sa	$2.75 \pm 2.42$	9.28	0.74
Na	VC	$3767.71 \pm 888.84$	4908.77	2314.39
	Mt	$8306.10 \pm 3447.80$	13688.25	3762.97
	Er	$13659.67 \pm 1587.02$	17230.17	10334.53
	CR	$11938.62 \pm 2267.30$	17519.36	9295.05
	Si	$12604.56 \pm 1487.86$	15398.32	10099.87
	Sa	$11040.86 \pm 1430.03$	13638.63	8266.55
Ni	VC	$0.09 \pm 0.23$	0.87	0.00
	Mt	$0.19 \pm 0.15$	0.51	0.00
	Er	$0.50 \pm 0.15$	0.73	0.26
	CR	$0.36 \pm 0.08$	0.49	0.19
	Si	$0.57 \pm 0.10$	0.82	0.43
	Sa	$0.46 \pm 0.21$	0.89	0.19
P	VC	$3116.78 \pm 1679.18$	6836.16	1774.34
	Mt	$3319.26 \pm 1182.82$	5940.74	830.30
	Er	$3210.93 \pm 960.80$	5288.25	1411.40
	CR	$3715.79 \pm 1434.52$	7004.15	1613.73
	Si	$2273.30 \pm 669.56$	3168.86	1009.68
	Sa	$2404.05 \pm 1319.31$	5555.79	873.80
Pb	VC	$0.56 \pm 0.56$	2.38	0.14
	Mt	$0.57 \pm 0.72$	2.12	0.00
	Er	$1.18 \pm 0.76$	2.73	0.00
	CR	$1.62 \pm 3.83$	14.93	0.00
	Si	$1.64 \pm 2.44$	7.73	0.00
	Sa	$0.50 \pm 0.61$	1.54	0.00
Pr	VC	$1.26 \pm 2.45$	9.03	0.00
	Mt	$0.70 \pm 1.81$	6.50	0.00
	Er	$0.04 \pm 0.18$	0.73	0.00
	CR	$0.00 \pm 0.00$	0.00	0.00
	Si	$0.00 \pm 0.00$	0.00	0.00
	Sa	$0.12 \pm 0.36$	1.33	0.00
Rb	VC	$3.27 \pm 0.83$	4.87	2.20
	Mt	$5.27 \pm 2.75$	11.49	2.89
	Er	$8.37 \pm 2.65$	12.13	2.65
	CR	$6.69 \pm 3.78$	14.87	3.43
	Si	$5.17 \pm 3.91$	10.33	0.00
	Sa	$5.98 \pm 3.41$	12.37	2.64
Ru	VC	$7.37 \pm 23.58$	90.56	0.00
	Mt	$6.95 \pm 19.87$	72.31	0.00
	Er	$25.08 \pm 48.08$	140.29	0.00
	CR	$5.96 \pm 19.06$	73.19	0.00
	Si	$10.86 \pm 32.47$	121.86	0.00
	Sa	$16.85 \pm 24.78$	66.46	0.00
S	VC	$2673.77 \pm 1349.72$	5509.52	1462.34
	Mt	$5299.83 \pm 2668.68$	8978.58	1705.88

	Er	9385.13 ± 2440.91	13929.72	4295.80
	CR	7859.81 ± 2905.67	12567.87	3440.57
	Si	7282.24 ± 1846.21	9957.40	3436.99
	Sa	6648.98 ± 2594.75	10451.11	2166.75
Se	VC	0.61 ± 0.13	0.92	0.40
	Mt	0.95 ± 0.22	1.40	0.51
	Er	0.87 ± 0.13	1.11	0.63
	CR	0.71 ± 0.18	1.06	0.49
	Si	0.49 ± 0.08	0.64	0.32
	Sa	0.64 ± 0.13	0.91	0.39
Sm	VC	0.73 ± 1.49	5.65	0.00
	Mt	0.62 ± 0.96	2.47	0.00
	Er	0.00 ± 0.00	0.00	0.00
	CR	0.00 ± 0.00	0.00	0.00
	Si	0.00 ± 0.00	0.00	0.00
	Sa	0.00 ± 0.00	0.00	0.00
Sr	VC	1.34 ± 1.83	7.59	0.22
	Mt	25.75 ± 24.57	65.09	1.76
	Er	53.72 ± 14.19	82.11	28.45
	CR	51.98 ± 34.66	157.77	21.84
	Si	49.16 ± 9.44	66.66	34.18
	Sa	39.63 ± 8.78	59.76	28.85
Ti	VC	0.35 ± 0.45	1.29	0.00
	Mt	1.10 ± 1.74	6.65	0.00
	Er	1.11 ± 1.67	6.40	0.00
	CR	1.09 ± 1.28	4.89	0.00
	Si	0.28 ± 0.58	1.87	0.00
	Sa	0.72 ± 0.77	2.71	0.00
V	VC	0.00 ± 0.00	0.00	0.00
	Mt	0.00 ± 0.00	0.00	0.00
	Er	0.00 ± 0.00	0.00	0.00
	CR	0.46 ± 0.56	1.91	0.00
	Si	0.27 ± 0.39	1.20	0.00
	Sa	0.03 ± 0.13	0.51	0.00
Y	VC	3.24 ± 1.58	5.57	0.00
	Mt	4.10 ± 3.13	10.62	0.00
	Er	1.51 ± 3.18	8.73	0.00
	CR	3.37 ± 3.85	8.97	0.00
	Si	1.07 ± 2.84	8.77	0.00
	Sa	3.93 ± 3.41	8.38	0.00
Zn	VC	5.16 ± 1.75	10.60	3.46
	Mt	89.5 ± 82.8	189.7	3.93
	Er	304.8 ± 88.6	571.0	215.1
	CR	237.0 ± 55.5	356.5	173.9
	Si	231.5 ± 50.6	377.0	142.5
	Sa	191.9 ± 53.5	332.3	121.8