

Table 3: Concentrations of B a, Cr, Cu, Pb, Tl and Zn in samples of plant and soil collected in the landfill cover (mg /Kg)

Family	Species	Plant part	**Ba		*Cr		Cu		Pb		Tl		Zn	
			Plant	Soil	Plant	Soil	Plant	Soil	Plant	Soil	Plant	Soil	Plant	Soil
Poaceae	<i>Pennisetum purpureum</i>	Root	3.952±2.483	26.861±7.827	0.013±0.005	0.093±0.079	0.043±0.002	0.017 ±0.004	0.022 ±0.002	0.067 ±0.020	0.293±0.014	0.094±0.004	0.301±0.038	0.126±0.077
		Shoot	3.140±0.373		0.011±0.003		0.040±0.011		0.020 ±0.002		0.307±0.002		0.280±0.079	
Cyperaceae	<i>Cyperus esculentus</i>	Root	7.491±2.483	7.190±1.162	0.023±0.005	0.240±0.069	0.055±0.002	0.058 ±0.038	0.037 ±0.002	0.105 ±0.031	0.292±0.014	0.095±0.007	0.253±0.038	0.094±0.077
		Shoot	3.872±1.838		0.008±0.010		0.051±0.003		0.021 ±0.009		0.291±0.008		0.123±0.173	
Cannaceae	<i>Canna indica</i>	Root	22.194±2.310	10.356±2.285	0.034±0.002	0.207±0.020	0.073±0.008	0.031 ±0.003	0.043 ±0.000	0.105 ±0.007	0.306±0.018	0.084±0.003	0.435±0.116	0.254±0.103
		Shoot	15.819±0.727		0.017±0.004		0.093±0.044		0.025 ±0.003		0.307±0.013		0.553±0.309	
Poaceae	<i>Dactyloctenium scindicum</i>	Root	3.259±0.955	26.095±6.325	0.023±0.004	0.137±0.041	0.070±0.002	0.026 ±0.005	0.031 ±0.003	0.090 ±0.014	0.284±0.010	0.075±0.004	0.301±0.145	0.302±0.081
		Shoot	16.850±0.933		0.018±0.001		0.062±0.001		0.026 ±0.001		0.296±0.009		0.181±0.036	
Poaceae	<i>Echinochloa colona</i>	Root	2.959±0.461	30.035±7.547	0.025±0.003	0.092±0.029	0.068±0.007	0.017 ±0.002	0.035 ±0.002	0.063 ±0.013	0.292±0.011	0.083±0.001	0.994±0.125	0.308±0.057
		Shoot	4.158±0.242		0.022±0.002		0.069±0.006		0.025 ±0.003		0.279±0.003		0.401±0.110	
		Minimum	2.959	7.190	0.008	0.092	0.04	0.17	0.02	0.063	0.279	0.075	0.123	0.094
		Maximun	22.194	26.861	0.034	0.24	0.093	0.058	0.043	0.105	0.307	0.095	0.994	0.308

Data represented the average of three samples.

** For the mean values of metal concentration in the plants, there are significant differences between the species analyzed according to the Tukey HSD Test (P <0.01).

* For the mean values of metal concentration in the plants, there are significant differences between the species analyzed according to the Tukey HSD Test (P <0.05).

± std. deviation