



**Figure S-1.** Concentration of e-waste plastics in soil (minimum, mean, and maximum) from an e-waste disassembly site in Guiyu, China [1], an e-waste recycling site in Longtang County, China [2], and a e-waste dumping site in India [3].

**Table S-1.** Concentration (ppm) of metals in plastics (min - max).

	<i>n</i>	Ag	As	Ba	Br	Cd	Cl	Co	Cu	Cr	Fe	Hg	Ti	Zn	Pb	Sb	Sn	Sr	Reference
EEE plastic	133	n.a.	n.a.	n.a.	1.8 - 133,000	18.8 - 287	n.a.	n.a.	n.a.	16.4 - 478	n.a.	n.a.	n.a.	n.a.	2.2 - 11,800	38.8 - 56,900	n.a.	n.a.	[4]
EEE plastic	8	10.9 - 44.2	14.1 - 103	417 - 65,500	10.6 - 373	n.a.	245,000	n.a.	47.0 - 686	n.a.	43 - 841	n.a.	485 - 26,100	20.4 - 3,380	15.9 - 18.0	63 - 260	37.9 - 228	4.6 - 620	[5]
Microplastics, Guiyu, China*	3	n.a.	3.06	308.78	n.a.	0.67	n.a.	1.26	4.11	11.82	n.a.	n.a.	n.a.	n.a.	20.94	n.a.	3.06	n.a.	[1]
Beached plastics, England	26	n.a.	N.a.	n.a.	29.9 - 516	n.a.	n.a.	n.a.	n.a.	22.0	n.a.	8.6	n.a.	n.a.	58.7 - 116,000	189 - 29,800	N.a.	n.a.	[6]
New bio-beads, English Channel	10	n.a.	n.a.	300 - 606	n.a.	n.a.	786 - 2,340	n.a.	20.2 - 22.2	n.a.	122 - 201	n.a.	6850 - 12,276	420 - 588	n.a.	n.a.	n.a.	n.a.	[7]
Wastewater bio-beads, English Channel	17	n.a.	n.a.	318 - 5,500	7.8 - 739	n.a.	215 - 1,210	n.a.	14.3 - 83.5	24.9 - 62.4	116 - 3,670	n.a.	809 - 5,240	58.6 - 854	9.4 - 69.9	58.9 - 420	n.a.	n.a.	[7]
Beached bio-beads, English Channel	280	n.a.	n.a.	342 - 8,020	5.40 - 6,730	35.1 - 312	180 - 8,140	n.a.	13.5 - 363	17.4 - 1,400	50.4 - 10,900	12.0 - 26.1	59.0 - 35,100	16.3 - 1,590	8.1 - 5,380	77.8 - 4,730	n.a.	n.a.	[7]

EEE: electrical and electronic equipment; n.a.: not available; \*: mean.

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