

Table S1. Average amounts of heavy metal bioaccumulated by *M. lutarioriparius* at different harvest time.

Organ	Cu		Mn		Zn		Cd		Cr		Pb	
	August	December	August	December	August	December	August	December	August	December	August	December
Leaf	10.71 ±	7.00 ±	55.44 ±	66.44 ±	32.96 ±	36.34 ±	0.19 ±	0.34 ±	3.66 ±	3.47 ± 0.29b	3.49 ±	8.59 ±
	0.41Ab	0.45Bb	4.67b	6.09b	1.06b	1.70b	0.02B	0.02Aab	0.39b		0.40B	0.59Aa
Stem	15.70 ±	13.18 ±	121.85 ±	87.68 ±	69.18 ±	82.82 ±	0.38 ±	0.50 ± 0.11a	4.23 ±	7.00 ±	2.72 ±	3.83 ±
	1.97a	2.08a	11.36Aa	9.50Ba	12.66a	16.80a	0.11		0.43b	2.57ab	0.20B	0.42Ab
Underground	8.29 ±	11.22 ±	33.07 ±	18.99 ±	24.13 ±	26.55 ±	0.44 ±	0.26 ±	11.23 ±	9.31 ± 0.88a	2.86 ±	1.85 ±
	0.76Bb	0.67Aa	3.86Ac	2.85Bc	3.49b	2.36b	0.10	0.05b	1.00a		0.30A	0.17Bc
Total	33.26 ±	30.20 ±	199.27 ±	165.13 ±	119.98 ±	138.17 ±	1.00 ±	1.11 ± 0.14	19.13 ±	19.78 ±	9.08 ±	14.27 ±
	2.33	2.67	20.22	17.35	13.72	18.15	0.20		1.35	2.48	0.60B	0.85A

Sources of variance in ANOVA (*p* value)

Month	0.007	<0.001	0.453	0.078	0.014	<0.001
Organ	0.293	0.039	0.367	0.597	0.772	<0.001
Month×Organ	0.023	0.011	0.782	0.081	0.169	<0.001

Values (Mean± SE, mg m<sup>-2</sup>) with different lowercase letters in the same column indicate significant differences among the underground organs, stems and leaves at *p* < 0.05.

Different uppercase letters in the same row indicate significant differences between the two growth seasons at *p* < 0.01.