

S1 Table: Linear Combination Fitting Results using references for selenomethionine (org. Se), selenite and selenate

Se as Na ₂ SeO ₃					Se as Na ₂ SeO ₄				
500 µg/L	org. Se [%]	selenite [%]	selenate [%]	R-factor [-]	500 µg/L	org. Se [%]	selenite [%]	selenate [%]	R-factor [-]
root 01	73	27	0	1.57	root 01	31	6	63	0.75
root 02	76	24	0	1.07	root 02	32	6	62	0.89
root 03	79	21	0	0.96					
root 04	84	16	0	0.78	root 04	53	17	30	1.08
root 05	85	15	0	0.67					
root 06	91	9	0	0.56	root 06	50	18	32	1.23
root 07	100	0	0	0.51	root 07	43	16	41	0.47
root 08	92	8	0	0.71					
mean	85	15	0	0.85	mean	42	13	46	0.88
SD	9	9	0	0.35	SD	10	6	16	0.29
shoot 01	64	36	0	1.97	shoot 01	45	23	32	2.02
shoot 02	63	37	0	3.59	shoot 02	33	9	58	1.25
shoot 03	67	33	0	1.63	shoot 03	41	28	31	1.39
shoot 04	74	26	0	1.22	shoot 04	30	6	65	0.38
shoot 05	71	29	0	2.94	shoot 05	56	11	32	0.46
shoot 06	50	50	0	2.20	shoot 06	27	6	67	0.65
shoot 07	65	35	0	2.25	shoot 07	33	16	51	0.88
mean	65	35	0	2.26	mean	38	14	48	1.00
SD	8	8	0	0.80	SD	10	9	16	0.59
2000 µg/L	org. Se [%]	selenite [%]	selenate [%]	R-factor [-]	2000 µg/L	org. Se [%]	selenite [%]	selenate [%]	R-factor [-]
root 01	89	11	0	0.43	root 01	14	15	71	0.92
root 02	97	1	2	0.48	root 02	32	10	57	0.55
root 03	100	0	0	0.62	root 03	64	27	9	0.71
root 04	97	0	3	0.34					
root 05	94	4	2	0.48	root 05	80	15	5	0.55
mean	95	3	1	0.47	mean	48	17	36	0.68
SD	4	5	1	0.10	SD	30	7	33	0.17
shoot 01	69	31	0	2.31	shoot 01	56	22	22	0.54
shoot 02	63	37	0	3.59					
shoot 03	73	27	0	1.11	shoot 03	56	22	22	0.54
shoot 04	68	32	0	1.54	shoot 04	38	18	44	0.54
shoot 05	69	31	0	1.76	shoot 05	50	20	30	0.36
shoot 06	76	24	0	1.01	shoot 06	25	10	65	1.45
shoot 07	69	31	0	2.57	shoot 07	33	17	50	0.65
shoot 08	75	25	0	0.92	shoot 08	52	18	30	0.52
shoot 09	100	0	0	1.78	shoot 09	48	13	39	0.42
mean	73	27	0	1.84	mean	45	18	38	0.63
SD	11	11	0	0.86	SD	11	4	15	0.34
10000 µg/L	org. Se [%]	selenite [%]	selenate [%]	R-factor [-]	10000 µg/L	org. Se [%]	selenite [%]	selenate [%]	R-factor [-]
root 01	100	0	0	1.38	root 01	43	6	51	0.39
root 02	95	3	3	0.84	root 02	47	8	44	0.32
root 03	100	0	0	0.74	root 03	57	31	12	0.89
root 04	100	0	0	0.89	root 04	68	23	8	0.66
root 05	99	1	0	0.97					
root 06	100	0	0	1.87					
root 07	100	0	0	1.26					
root 08	100	0	0	1.98					
root 09	100	0	0	1.35					
mean	99	0	0	1.25	mean	54	17	29	0.56
SD	2	1	1	0.44	SD	11	12	22	0.26
shoot 01	75	25	0	1.12	shoot 01	58	20	22	0.52
shoot 02	74	26	0	0.97	shoot 02	56	13	32	0.52
shoot 03	81	19	0	0.62	shoot 03	66	22	11	0.51
shoot 04	81	19	0	0.57	shoot 04	52	12	36	0.45
shoot 05	76	24	0	0.87	shoot 05	48	10	43	0.41
shoot 06	81	19	0	0.70	shoot 06	50	7	43	0.40
					shoot 07	50	9	41	0.29
mean	78	22	0	0.81	mean	54	13	32	0.44
SD	3	3	0	0.21	SD	7	6	12	0.09