

Table 4
Elemental concentrations in urine for 87 adults

Element	^a Mean (µg/l)	Range (µg/l)	^a Geometric mean (µg/l)	^a Geometric mean (µg/l creatinine)	%<LOQ	Percentiles (µg/l)	
						60%	95%
Li	35	4–237	23	22	0	24	115
Be	<LOQ	<LOQ	<LOQ	<LOQ	100	<LOQ	<LOQ
V	0.068	LOQ–0.22	0.057	0.052	69	0.066	0.166
Cr	0.158	LOQ–1.0	0.127	0.12	6	0.15	0.37
Mn	0.087	LOQ–0.71	0.063	0.06	65	0.079	0.21
Ni	0.756	LOQ–7.2	0.30	0.29	9	0.54	2.5
Co	0.387	0.02–3.3	0.18	0.17	0	0.16	1.53
Cu	9	4–30	8	5	0	9	13
Zn	269	49–968	207	196	0	265	692
Ga	<LOQ	LOQ–0.044	<LOQ	<LOQ	92	<LOQ	0.034
As	34	1–375	13	12	0	14	143
Se	14	3–60	12	11	0	14	24
Rb	1204	283–3300	1071	1013	0	1211	2424
Sr	166	11–675	132	125	0	143	444
Mo	38	4–357	26	24	0	34	94
Rh	0.004	LOQ–0.02	0.004	0.004	95	<LOQ	0.005
Pd	<LOQ	<LOQ	<LOQ	<LOQ	100	<LOQ	0.059
Ag	<LOQ	LOQ–0.08	<LOQ	<LOQ	92	<LOQ	0.03
Cd	0.18	0.04–0.56	0.17	0.16	2	0.18	0.42
In	0.026	LOQ–0.57	<LOQ	<LOQ	95	0.007	0.046
Su	8.6	0.06–204	0.84	0.79	16	1.1	27.9
Sb	0.063	LOQ–0.57	0.039	0.037	21	0.045	0.18
Cs	4.7	1.4–11.9	4.4	4.1	0	5.0	7.9
Ba	1.96	0.1–14	1.4	1.3	0	1.8	6.2
Pt	0.011	LOQ–0.12	<LOQ	<LOQ	93	<LOQ	0.024
Au	0.027	LOQ–0.34	<LOQ	<LOQ	92	<LOQ	0.12
Tl	0.15	LOQ–1.44	0.069	0.065	15	0.12	0.43
Pb	0.8	0.02–4.8	0.6	0.5	0	0.7	2.1
Bi	<LOQ	LOQ–0.025	<LOQ	<LOQ	86	<LOQ	0.020
U	0.005	LOQ–0.02	0.004	0.003	82	0.005	0.010

^aConcentrations below the LOQ were calculated as LOQ/2.

TABLE 3

Elemental concentrations in urine for 72 children

Element	^a Mean ($\mu\text{g/l}$)	Range ($\mu\text{g/l}$)	^a Geometric mean ($\mu\text{g/l}$)	^a Geometric mean ($\mu\text{g/g creatinine}$)	% < LOQ	Percentiles ($\mu\text{g/l}$)	
						60%	95%
Li	77	7-580	40	33	0	35	306
Bc	<LOQ	<LOQ	<LOQ	<LOQ	100	<LOQ	<LOQ
V	<LOQ	LOQ-0.16	<LOQ	<LOQ	79	<LOQ	0.1
Cr	0.28	LOQ-0.78	0.24	0.2	3	0.29	0.59
Mn	0.1	LOQ-1.5	0.074	0.052	65	<LOQ	0.25
Ni	2.7	0.13-20	1.7	1.4	2	2.4	7.3
Co	0.81	0.04-2.7	0.54	0.45	0	0.6	2.2
Cu	14	4-53	12	10	0	14	26
Zn	482	60-1142	405	335	0	502	1026
Ga	<LOQ	LOQ-0.08	<LOQ	<LOQ	89	<LOQ	0.07
As	25	1-260	12	10	0	13	91
Se	17	4-39	15	12	0	17	17
Rb	1593	419-3993	1421	1176	0	1599	3193
Sr	154	9-560	119	98	0	155	394
Mo	58	1-126	48	39	0	66	117
Rh	<LOQ	LOQ-0.016	<LOQ	<LOQ	96	<LOQ	<LOQ
Pd	<LOQ	<LOQ	<LOQ	<LOQ	100	<LOQ	<LOQ
Ag	0.009	LOQ-0.05	0.008	0.007	93	<LOQ	0.03
Cd	0.16	0.03-0.48	0.13	0.1	0	0.16	0.36
In	<LOQ	LOQ-0.51	<LOQ	<LOQ	95	<LOQ	0.02
Sn	1.2	0.03-11.7	0.35	0.29	16	0.56	5.2
Sb	0.063	LOQ-0.72	0.041	0.034	21	0.05	0.14
Cs	4.4	1-11	4.1	3.4	0	4.8	6.7
Ba	2.4	0.1-11	1.5	1.2	0	2.6	5.4
Pt	<LOQ	LOQ-0.013	<LOQ	<LOQ	95	<LOQ	0.012
Au	<LOQ	<LOQ	<LOQ	<LOQ	94	<LOQ	<LOQ
Tl	0.18	LOQ-0.52	0.1	0.08	15	0.2	0.47
Pb	1.3	0.1-4.6	1.0	0.8	0	1.4	3.4
Bi	0.01	LOQ-0.027	<LOQ	<LOQ	84	0.01	0.021
U	0.004	LOQ-0.003	0.004	0.003	80	<LOQ	0.008

^aConcentrations below the LOQ were calculated as LOQ/2.