

Supplementary material S7. Metals in coastal sediments

Element	Unit	Coastal sediments concentration ranges		NAd ¹		MAd ²		MAd&SAd ³		Ionian ⁴		S Aegean ⁵		N Aegean ⁶		Lev ⁷		N Aegean ⁸		S Aegean ⁹		S Aegean ¹⁰		Lev ¹¹		Lev ¹²				
		CoastMin	CoastMax	Trieste gulf		Western coast		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
				Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
Cd	µg kg ⁻¹ dw	20	10500	160	450					5000	10500			30	495	30	170					20	820			20	440			
Hg	µg kg ⁻¹ dw	10	14920	<400	14920			10	120												120	1300								
Pb	µg kg ⁻¹ dw	5000	373900	12000	170000	9000	30000			18900	56900	6000	4E+05	20600	93000	77100	230000	16500	264500	5000	16000	44000	113000	10000	61000	18840	48230			
As	µg kg ⁻¹ dw	3100	178500	6400	18200							3100	2E+05					8800	33500											
Cr	µg kg ⁻¹ dw	14800	694000	35000	171000	26000	180000			14800	24900	19400	5E+05	40000	154000	19400	118000	38800	458400	51000	2E+05	1E+05	316000	70000	694000	18040	31370			
Cu	µg kg ⁻¹ dw	2900	365300	14000	70000	14000	47000			9100	22700	7900	4E+05	5340	86200	31500	101000	2900	107900	5000	27000			9000	39000	11890	52320			
Ni	µg kg ⁻¹ dw	9100	808000	20000	231000	23000	87000			11600	29900	9100	4E+05					35200	407300					179000	808000	20780	46370			
Zn	µg kg ⁻¹ dw	11600	982200	50000	400000	46000	137000			11600	30050	15200	1E+06	12900	230000	59000	242000	32900	428700	12000	64000			30000	117000	33530	64370			
Co	µg kg ⁻¹ dw	1100	99000							8200	18100	1100	27400					9700	43900					6000	99000					
V	µg kg ⁻¹ dw	4600	157300	36000	124000							4600	1E+05					26300	157300											
Sediment section	cm			0	5	0	0.5	0	5	0	5	0	1	surface		0	5	0-1/2		0	2	surface		0	5/6					
Silt+clay	%			97.8	87.8	41.9	99.6	sand-loam		0.4	7.8	2	99.9	3.2	96.66	3.5	23	4	99	<10->90				20	99					
Organic carbon	%			0.91	1.48	0.46	1.66					0.12	4.29	1.31	4.8	0.67	2.74			0.11	0.86			0.28	0.83					
Aluminium content	%			2.22	6.04	2.01	7.05							1.86	5.34			1.4	8.4	1.033	4.36			1.1	9.4					
Stations selected				21		34(<60m)				14		207 (<200m)		29		11		99 (<200m)		55		5 (Middle&inner bay)		73		28				

EMed: Eastern Mediterranean Sea; NAd: North Adriatic Sea; MAd: Middle Adriatic Sea; SAd: South Adriatic Sea; Ionian: Ionian Sea; N Aegean: North Aegean Sea; S Aegean: South Aegean Sea; Lev: Levantine Sea.

¹ Acquavita et al., 2010; ² Lopes-Rocha et al., 2017b; ³ Droghini et al., 2019; ⁴ Soliman et al., 2015; ⁵ Karageorgis et al., 2020; ⁶ Aloupi&Angelidis, 2001; ⁷ Angelidis et al., 1995;⁸ Karageorgis et al., 2005b; ⁹ Koukounari et al., 2020; ¹⁰ Kucuksezgin et al., 2006; ¹¹ Ergin et al., 1996; ¹² Kahled et al., 2021