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## Geochemistry of metals in grain size fractionated sediments from estuarine and coastal regions along Mumbai: a baseline information

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## Supplementary Tables

Table S1 — Upper Continental Crust (UCC) values are given in following table. Representation- Metal concentration ( $\mu\text{g/g}$ ), \* for (%), and  $\text{Hg}''$  for ( $\text{ng/g}$ )

Elements	Concentrations							UCC	Igeo values						
	M1	M2	C1	C2	E1	E2	E3		M1	M2	C1	C2	E1	E2	E3
Be	0.54	0.89	1.78	1.29	1.14	0.99	0.84	3.0	-3.05	-2.34	-1.34	-1.81	-1.98	-2.18	-2.42
Na*	2.77	2.31	1.92	1.76	1.67	1.67	1.62	2.9	-0.65	-0.91	-1.18	-1.30	-1.38	-1.38	-1.42
Mg*	2.23	2.21	2.26	2.21	2.26	2.52	2.17	1.3	0.16	0.15	0.18	0.15	0.18	0.34	0.12
Al*	6.60	6.69	7.34	7.08	6.10	7.23	7.00	8.0	-0.87	-0.85	-0.72	-0.77	-0.98	-0.74	-0.79
P	1046.23	921.86	1043.58	990.69	1126.39	955.84	943.06	700.0	-0.01	-0.19	-0.01	-0.08	0.10	-0.14	-0.15
K*	1.00	1.02	1.07	0.94	1.06	1.15	0.96	2.8	-2.07	-2.04	-1.98	-2.16	-1.98	-1.88	-2.13
Ca*	3.35	3.91	3.27	4.46	7.82	3.63	3.90	3.0	-0.42	-0.20	-0.46	-0.01	0.80	-0.31	-0.21
V	149.66	149.79	162.25	167.04	132.44	146.31	167.72	60.0	0.73	0.73	0.85	0.89	0.56	0.70	0.90
Cr	118.25	122.38	137.44	128.95	120.40	149.44	141.39	35.0	1.17	1.22	1.39	1.30	1.20	1.51	1.43
Mn	1411.00	954.00	929.00	917.20	916.00	959.00	1068.00	600.0	0.65	0.08	0.05	0.03	0.03	0.09	0.25
Fe*	7.48	7.60	8.15	8.23	6.71	8.04	9.05	3.5	0.51	0.53	0.63	0.65	0.35	0.61	0.79
Co	30.51	31.59	32.93	32.37	29.23	32.51	34.09	10.0	1.02	1.07	1.13	1.11	0.96	1.12	1.18
Ni	62.67	63.17	72.51	67.56	60.10	72.55	73.85	20.0	1.06	1.07	1.27	1.17	1.00	1.27	1.30
Cu	78.19	78.28	82.36	81.68	61.30	77.41	90.95	25.0	1.06	1.06	1.14	1.12	0.71	1.05	1.28
Zn	103.86	95.01	98.44	95.31	65.21	99.50	106.19	71.0	-0.04	-0.16	-0.11	-0.16	-0.71	-0.10	0.00
Sr	264.85	299.98	279.09	298.71	900.95	321.36	309.54	350.0	-0.99	-0.81	-0.91	-0.81	0.78	-0.71	-0.76
Y	21.86	21.97	23.50	23.59	20.47	22.58	23.98	22.0	-0.59	-0.59	-0.49	-0.48	-0.69	-0.55	-0.46
Ba	114.87	112.99	121.72	122.61	116.79	112.40	114.01	550.0	-2.84	-2.87	-2.76	-2.75	-2.82	-2.88	-2.86
Dy	4.30	4.48	4.81	4.76	4.03	4.77	4.65	3.5	-0.29	-0.23	-0.13	-0.14	-0.38	-0.14	-0.17
Yb	1.90	2.02	2.17	2.19	1.75	1.94	2.11	2.2	-0.79	-0.71	-0.60	-0.59	-0.91	-0.77	-0.65
$\text{Hg}''$	189.77	156.90	189.96	234.69	175.00	174.84	194.90	50.0	1.34	1.06	1.34	1.65	1.22	1.22	1.38
Tl	1.79	1.93	1.77	1.47	1.73	1.78	1.95	0.7	0.77	0.88	0.76	0.48	0.72	0.76	0.89
Pb	14.87	13.85	14.30	15.09	10.32	11.47	14.25	17.0	-0.78	-0.88	-0.83	-0.76	-1.30	-1.15	-0.84

Table S2 — Values obtained from Igeo and the respective sediment quality

Value	Sediment quality
$\text{Igeo} \leq 0$	Uncontaminated
$0 < \text{Igeo} < 1$	Uncontaminated to moderately contaminated
$1 < \text{Igeo} < 2$	Moderately contaminated
$2 < \text{Igeo} < 3$	Moderately to heavily contaminated
$3 < \text{Igeo} < 4$	Heavily contaminated