Table 1. Major and trace element concentrations of sediment cores from Sepetiba bay. The major elements concentrations (Ca, Mg, Ti, Fe, Si, Al and K) are expressed in percentage (%) and the trace elements concentrations (As, Cd, Pb, Zn, Ni, Cr, Cu, Mn and P) in parts per millions (µg g^{-1}).

Sample	As	Cd	Pb	Zn	Ni	Cr	Cu	Mn	P	Ca	Mg	Ti	Fe	Si	Al	K
T1 Core- Saco do Engenho																
T1 0-5	24	65	118	21960	21	58	76	369	1115	3.9	0.9	0.5	5	20	12	0.8
T1 5-10	93	198	179	31410	16	54	175	471	783	1.0	0.8	0.5	6	17	10	0.4
T1 10-15	17	47	55	12560	5	23	68	210	366	1.3	0.6	0.5	6	29	7	0.6
T1 15-20	19	44	72	5330	14	44	176	321	725	1.4	0.4	0.2	2	34	5	0.6
T1 20-25				39330	24	75	329	677	1213	1.1	1.0	0.5	6	17	10	0.6
T1 25-30	12	30	57	28980	22	65	224	578	1072	0.8	0.9	0.5	6	17	10	0.6
T1 30-35				6970	22	60	57	394	832	0.8	0.8	0.5	5	20	12	0.8
T1 35-40	18	48	69	9000	19	65	133	388	953	1.1	0.8	0.5	12	17	9	0.7
T1 40-45				28370	17	64	207	632	1084	0.6	1.0	0.6	7	18	12	1.2
T1 45-50				22640	21	65	238	659	903	0.6	0.9	0.6	6	18	11	1.2
T1 50-55	95	236	220	37540	23	62	324	521	1455	0.5	1.0	0.5	5	17	10	0.9

T1 55-60				40400	20	62	105	427	894	1.0	1.0	0.6	6	19	11	1.1
T1 60-65	36	98	154	16350	23	58	343	581	1518	0.7	1.0	0.5	6	20	13	1.2
T1 65-70				42620	19	51	178	546	1408	0.6	1.1	0.5	5	17	11	0.9
T1 75-80	97	219	501	18830	19	56	168	463	1361	0.6	1.0	0.6	5	18	11	1.0
T1 80-85	99	161	258	20470	21	58	184	447	1118	0.5	1.0	0.5	5	18	11	0.9
T3 Core- São Francisco Channel																
T3 0-5	6	1	42	181	18	55	20	706	1088	1.4	0.7	1.5	4	30	10	2.6
T3 5-10	6	39	44	189	15	57	18	452	943	1.2	0.7	1.3	4	28	10	2.5
T3 10-15	7	1	48	278	19	61	24	402	848	1.3	0.8	1.0	5	26	11	2.1
T3 15-20	9	2	47	381	16	55	19	416	708	1.2	0.7	1.1	4	28	9	2.2
T3 20-25	9	2	63	397	19	60	24	387	711	1.0	0.7	0.9	4	26	11	2.0
T3 25-30	4	0	42	122	17	57	20	328	632	1.1	0.7	0.9	3	28	11	2.5
T3 30-35	4	1	44	146	20	51	23	309	571	1.1	0.8	0.7	4	27	12	2.2
T3 35-40	4	0	44	155	23	60	30	329	563	0.9	0.9	0.7	4	23	11	1.7
T3 40-45	4	1	52	207	26	63	31	341	661	0.8	0.8	0.7	5	23	12	1.6

T3 45-50	45	5	440	111	22	59	27	512	823	1.1	0.8	1.2	4	25	11	2.3
T3 50-55	5	0	44	105	24	62	27	694	647	0.8	0.8	0.8	5	26	12	2.5
T4 Core- Enseada das Garças																
T4 0-5	13	3	41	639	19	56	24	924	1123	1.1	1.1	0.5	5	19	11	0.8
T4 5-10	12	3	41	758	21	64	29	814	1246	1.1	1.1	0.6	5	21	12	1.0
T4 10-15	13	3	42	747	24	63	33	601	1100	0.9	1.1	0.6	5	22	11	1.0
T4 15-20	14	4	46	888	24	72	36	788	1269	0.8	1.2	0.6	5	20	11	1.0
T4 20-25	12	4	46	904	21	66	35	897	1209	0.8	1.0	0.7	5	20	11	1.0
T4 25-30	10	3	42	852	19	59	32	953	1086	0.8	1.0	0.6	5	21	10	1.0
T4 30-35	11	3	41	986	21	63	37	839	1182	0.8	1.0	0.6	5	21	11	1.0
T5 Core- Marambaia																
T5 0-5	13	1	33	298	26	76	27	1904	1218	3.1	1.5	0.5	4	20	9	1.1
T5 5-10	14	1	43	288	25	74	20	1056	1036	3.0	1.6	0.5	4	22	9	1.2
T5 10-15	11	1	29	356	27	80	24	1409	1069	2.6	1.5	0.5	4	21	8	1.1
T5 15-20	14	2	31	418	26	80	23	1486	979	2.9	1.5	0.6	4	22	9	1.3

T5 20-25	13	2	31	467	27	89	23	1339	1024	1.8	1.6	0.6	4	26	9	1.5
T5 25-30	11	2	35	501	26	89	24	1215	1067	2.3	1.6	0.7	5	25	10	1.5
T5 30-35	11	3	35	632	31	94	29	1387	1144	1.8	1.5	0.6	4	24	9	1.5
T5 35-40	10	3	33	578	28	85	22	1210	1030	2.5	1.5	0.7	4	24	9	1.6
T5 40-45	9	2	32	442	28	87	22	1221	1006	2.8	1.4	0.6	4	19	9	1.3

Table 2. Enrichment Factor values of sediment cores from Sepetiba bay.

		As	Cd	Pb	Zn	Ni	Cr	Cu
T1	average	20	874	8	303	1	1	11
	min-max	5 -37	44-1776	3-20	149-554	0-1	1-2	3-18
T3	average	3	35	3	3	1	1	1
	min-max	1-16	0-302	2-18	1-6	1	1	1
T4	average	4	24	2	11	1	1	2
	min-max	4-5	22-24	2	9-13	1	1	1-2
T5	average	5	17	2	7	1	2	1
	min-max	4-6	9-26	2	5-10	1	2	1-2