

Table S4 Surface water metal concentrations compared to groundwater threshold values

Monitoring Station	Parameter (Portuguese)	Parameter (English)	CAS Number	Threshold Values (Limiares)	count	mean	std	min	25%	50%	75%	max	Flag values (No. <LOD)
29E/01	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	8	0.0008875	0.00081317	0.0006	0.0006	0.0006	0.0006	0.0029	7
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	10	0.0028	0.00042164	0.002	0.003	0.003	0.003	0.003	8
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	10	0.00089	0.00024244	0.0003	0.001	0.001	0.001	0.001	8
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	10	0.00022	4.2164E-05	0.0002	0.0002	0.0002	0.0002	0.0003	10
30E/04	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	7	0.00086	0.00068	0.0006	0.0006	0.0006	0.0006	0.0024	6
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	9	0.00278	0.00044	0.002	0.003	0.003	0.003	0.003	7
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	9	0.00088	0.00025	0.0003	0.001	0.001	0.001	0.001	7
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	9	0.00022	0.00004	0.0002	0.0002	0.0002	0.0002	0.0003	9
30F/50	Arsénio dissolved (mg/l)	Arsenic dissolved (mg/l)	CAS_7440-38-2	0.01	2	0.001	-	0.001	0.001	0.001	0.001	0.001	1
	Chumbo dissolved (mg/l)	Lead dissolved (mg/L)	CAS_7439-92-1	0.01	3	0.001	-	0.001	0.001	0.001	0.001	0.001	3
	Cádmio dissolved (mg/l)	Cadmium dissolved (mg/l)	CAS_7440-43-9	0.005	3	0.00008	0.00005	0.00005	0.00005	0.00005	0.00009	0.00013	2
30F/52	Arsénio dissolved (mg/l)	Arsenic dissolved (mg/l)	CAS_7440-38-2	0.01	12	0.00104167	0.00014434	0.001	0.001	0.001	0.001	0.0015	11
	Chumbo dissolved (mg/l)	Lead dissolved (mg/L)	CAS_7439-92-1	0.01	12	0.001	-	0.001	0.001	0.001	0.001	0.001	12
	Cádmio dissolved (mg/l)	Cadmium dissolved (mg/l)	CAS_7440-43-9	0.005	11	0.00009	0.00008	0.00005	0.00005	0.00005	0.00005	0.00025	11
30G/08	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	3	0.0009	0.0002	0.0006	0.0008	0.001	0.001	0.001	2
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	4	0.0028	0.0005	0.002	0.00275	0.003	0.003	0.003	3
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	5	0.0007	0.0004	0.0003	0.0003	0.001	0.001	0.001	5
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	5	0.0004	0.0002	0.0002	0.0003	0.0003	0.0004	0.0008	5
30K/51	Arsénio dissolved (mg/l)	Arsenic dissolved (mg/l)	CAS_7440-38-2	0.01	1	0.001	-	0.001	0.001	0.001	0.001	0.001	1
	Chumbo dissolved (mg/l)	Lead dissolved (mg/L)	CAS_7439-92-1	0.01	8	0.001	0.0	0.001	0.001	0.001	0.001	0.001	8
	Cádmio dissolved (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	7	0.000164	0.000107	0.00005	0.00005	0.00025	0.00025	0.00025	7
	Mercúrio dissolved (mg/l)	Mercury dissolved (mg/l)	CAS_7439-97-6	0.001	2	0.000012	0.000003	0.00001	0.000011	0.000012	0.000013	0.000014	1
31E/01	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	25	0.0011	0.0021	0.00019	0.00019	0.00019	0.001	0.01	19
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	27	0.0024	0.0012	0.002	0.002	0.002	0.002	0.008	23
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	27	0.0004	0.0004	0.00013	0.00013	0.00013	0.00063	0.001	24
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	28	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	28
31H/02	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	7	0.0007	0.0002	0.0006	0.0006	0.0006	0.0006	0.001	7
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	12	0.0034	0.0031	0.002	0.002	0.003	0.003	0.013	6
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	12	0.0007	0.0003	0.0003	0.0003	0.001	0.001	0.001	12
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	12	0.0003	0.0002	0.0002	0.0002	0.00025	0.0003	0.0008	12
31I/01	Arsénio dissolved (mg/l)	Arsenic dissolved (mg/l)	CAS_7440-38-2	0.01	1	0.001	-	0.001	0.001	0.001	0.001	0.001	1
	Chumbo dissolved (mg/l)	Lead dissolved (mg/L)	CAS_7439-92-1	0.01	1	0.001	-	0.001	0.001	0.001	0.001	0.001	1
	Cádmio dissolved (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	1	0.0001	-	0.00005	0.00005	0.00005	0.00005	0.00005	0
31J/01	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	5	0.0007	0.0003	0.0006	0.0006	0.0006	0.0006	0.0013	4
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	5	0.0038	0.0018	0.003	0.003	0.003	0.003	0.007	4
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	5	0.0010	-	0.001	0.001	0.001	0.001	0.001	5
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	5	0.0002	-	0.0002	0.0002	0.0002	0.0002	0.0002	5
31K/03	Arsénio total (mg/l)	Arsenic total (mg/l)	CAS_7440-38-2	0.01	6	0.0007	0.00016	0.0006	0.0006	0.0006	0.0006	0.001	6
	Chumbo total (mg/l)	Lead total (mg/l)	CAS_7439-92-1	0.01	8	0.0028	0.00071	0.002	0.002	0.003	0.003	0.004	4
	Cádmio total (mg/l)	Cadmium total (mg/l)	CAS_7440-43-9	0.005	9	0.0007	0.00046	0	0.0003	0.001	0.001	0.001	6
	Mercúrio total (mg/l)	Mercury total (mg/l)	CAS_7439-97-6	0.001	9	0.0002	0.00005	0.0002	0.0002	0.0002	0.0003	0.0003	9
31K/50	Arsénio dissolved (mg/l)	Arsenic dissolved (mg/l)	CAS_7440-38-2	0.01	1	0.0012	-	0.0012	0.0012	0.0012	0.0012	0.0012	0
	Chumbo dissolved (mg/l)	Lead dissolved (mg/L)	CAS_7439-92-1	0.01	3	0.0010	0	0.001	0.001	0.001	0.001	0.001	3
	Cádmio dissolved (mg/l)	Cadmium dissolved (mg/l)	CAS_7440-43-9	0.005	3	0.0001	0.000023	0.00005	0.00005	0.00005	0.00007	0.00009	2
31L/50	Chumbo dissolved (mg/l)	Lead dissolved (mg/L)	CAS_7439-92-1	0.01	3	0.0	0	0.001	0.001	0.001	0.001	0.001	3
	Cádmio dissolved (mg/l)	Cadmium dissolved (mg/l)	CAS_7440-43-9	0.005	2	0.0	0	0.00025	0.00025	0.00025	0.00025	0.00025	2