

Surface Water Quality Data in Karaikal for JAN - MAR 2020 Quarter

Sl.No	Parameters	Arasalar River
Station Code		1685
1	Dt.of Sampling	28.01.2020
2	Time	06.45 A.M
3	Temperature °C	27
4	DO mg/l	7
5	pH	7.51
6	Conductivity µmho/cm	637
7	COD (mg/l)	8.0
8	BOD (mg/l)	1.5
9	Turbidity NTU	1.7
10	Nitrate -N (mg/l)	0.0868
11	Nitrite-N (mg/l)	0.0022
12	Nitrate (mg/l)	0.3843
13	Bi- Carbonate as CaCO ₃ (mg/l)	266
14	Carbonate as CaCO ₃ (mg/l)	Nil
15	Chloride (mg/l)	76
16	Ammonia -N (mg/l)	BDL
17	Total Hardness (mg/l)	166
18	Calcium hardness (mg/l)	152
19	Magnesium hardness (mg/l)	14
20	Calcium as Ca ⁺⁺ (mg/l)	60.8
21	Magnesium as Mg ⁺⁺ (mg/l)	3.4
22	TDS (mg/l)	387
23	TSS (mg/l)	9
24	FDS /TFS (mg/l)	196
25	Sodium (mg/l)	71.2
26	Potassium (mg/l)	3.7

Sl.No	Parameters	Arasalar River
27	Haxavalent Chromium (mg/l)	BDL
28	Sulphate (mg/l)	86
29	Ortho phosphate(mg/l)	0.1159
30	% Sodium	47.54
31	SAR	2.4
32	Alpha BHC µg/L	BDL
33	Beta BHC µg/L	BDL
34	Gamma BHC µg/L	BDL
35	OP DDT µg/L	BDL
36	OP DDE µg/L	BDL
37	OP DDD µg/L	BDL
38	PP DDT µg/L	BDL
39	PP DDE µg/L	BDL
40	PP DDD µg/L	BDL
41	Alpha Endosulphan µg/L	BDL
42	Beta Endosulphan µg/L	BDL
43	Dieldrin µg/L	BDL
44	Carbaryl (Carbamate) µg/L	BDL
45	2,4-D µg/L	BDL
46	Aldrin µg/L	BDL
47	Malathian µg/L	BDL
48	Methyl Parathion µg/L	BDL
49	Chloropyriphos µg/L	BDL
50	Isoprofuron µg/L	BDL
51	Alachlor µg/L	BDL
52	Atrazine µg/L	BDL
53	Ethion µg/L	BDL

Sl.No	Parameters	Arasalar River
54	Alpha HCH µg/L	BDL
55	Delta HCH µg/L	BDL
56	Beta HCH µg/L	BDL
57	Monochorotophos µg/L	BDL
58	Phorate µg/L	BDL
59	Butachlor µg/L	BDL
60	Chlorandane µg/L	BDL
61	Heptachlor µg/L	BDL
62	Copper mg/L	BDL
63	Nickel mg/L	BDL
64	Cadmium mg/L	BDL
65	Lead mg/L	BDL
66	Total Chromium mg/L	BDL
67	Iron mg/L	0.087
68	Zinc mg/L	BDL
69	Arsenic mg/L	BDL
70	Mercury mg/L	0.024
71	Faecal Streptococci MPN/100ml	<1.8
72	Faecal Coliform MPN/100ml	220

BDL - Below Detectable Limit