

Surface Water Quality Data in Karaikal for JUL - SEP 2023 Quarter		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	24.07.2023
4	Time	6.20 A.M
5	Temperature °C	28.0
6	DO mg/l	6.9
7	pH	8.27
8	Conductivity µmho/cm	1798
9	Turbidity NTU	9.2
10	COD (mg/l)	32.0
11	BOD (mg/l)	2.5
12	Nitrate -N (mg/l)	BDL (DL - 0.3)
13	Nitrite -N (mg/l)	BDL (DL - 0.02)
14	Nitrate (mg/l)	BDL
15	Ammonia - N mg/l	0.48
16	P. Alkalinity (mg/l)	20
17	Carbonate as CO ₃ ²⁻ (mg/l)	12
18	M. Alkalinity (mg/l)	293
19	Total Alkalinity (mg/l)	313
20	Bi-Carbonate as HCO ₃ ⁻ (mg/l)	357.46
21	Chloride mg/l	274.89
22	Total Hardness mg/l	210
23	Calcium Hardness mg/l	84.0
24	Calcium as Ca ⁺⁺ mg/l	33.6
25	Magnesium Hardness mg/l	126.0
26	Magnesium as Mg ⁺⁺ mg/l	30.62

Sl.No.	Parameters	Arasalar River
	Station Code	1685
27	TDS mg/l	900
28	TSS (mg/l)	19.0
29	FDS/TFS mg/l	414
30	Sulphate (mg/l)	27.77
31	Ortho phosphate(mg/l)	BDL (DL - 0.05)
32	Sodium mg/l	279.7
33	Potassium mg/l	7.77
34	Hexavalent Chromium mg/l	BDL
35	% Sodium	73.29
36	SAR	8.4
37	Copper (mg/l)	BDL
38	Nickel (mg/l)	BDL
39	Cadmium (mg/l)	BDL
40	Lead (mg/l)	BDL
41	Total Chromium (mg/l)	BDL
42	Iron (mg/l)	0.872
43	Zinc (mg/l)	0.025
44	Arsenic (mg/l)	BDL
45	Mercury (mg/l)	BDL
46	Alpha HCH µg/l	BDL
47	Gamma HCH µg/l	BDL
48	Detla HCH µg/l	BDL
49	Methyl Parathion µg/l	BDL
50	Alachor µg/l	BDL
51	Aldrin µg/l	BDL
52	Malathion µg/l	BDL
53	Chlorpyrifos µg/l	BDL
54	Alpha Endosulfan µg/l	BDL
55	Butachlor µg/l	BDL

Sl.No.	Parameters	Arasalar River
	Station Code	1685
56	Beta Endosulfan µg/l	BDL
57	Phorate µg/l	BDL
58	op DDT µg/l	BDL
59	op DDD µg/l	BDL
60	pp DDD µg/l	BDL
61	op DDE µg/l	BDL
62	pp DDE µg/l	BDL
63	Dieldrin µg/l	BDL
64	Ethion µg/l	BDL
65	Endosulfan sulfate µg/l	BDL
66	pp DDT µg/l	BDL
67	Total Coliform MPN/100 ml	1600
68	Faecal Coliform MPN/100ml	1600
69	Faecal Streptococci MPN/100ml	140

BDL - Below Detectable Limit DL - Detection Limit

