

Surface Water Quality Data in Karaikal - JANUARY 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	04.01.2024
4	Time	06.20 AM
5	Temperature °C	28.0
6	DO mg/l	5.9
7	pH	7.41
8	Conductivity µmho/cm	690
9	Turbidity NTU	BDL (DL : 1.0)
10	COD (mg/l)	8.0
11	BOD (mg/l)	BDL (DL : 1.0)
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	0.85
16	P. Alkalinity (mg/l)	BDL (DL:5.0)
17	Total Alkalinity (mg/l)	172
18	Chloride mg/l	76.31
19	Total Hardness mg/l	108
20	Calcium Hardness mg/l	56
21	Calcium as Ca++ mg/l	22.4
22	Magnesium Hardness mg/l	52
23	Magnesium as Mg++ mg/l	12.64

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	TDS mg/l	365
25	TSS (mg/l)	11.0
26	FDS/TFS mg/l	265
27	Sulphate (mg/l)	16.79
28	Ortho phosphate(mg/l)	0.14
29	Sodium mg/l	91.53
30	Potassium mg/l	3.32
31	% Sodium	63.80
32	SAR	3.8
33	Copper (mg/l)	0.082
34	Nickel (mg/l)	BDL
35	Cadmium (mg/l)	BDL
36	Lead (mg/l)	BDL
37	Total Chromium (mg/l)	BDL
38	Iron (mg/l)	0.51
39	Zinc (mg/l)	0.042
40	Arsenic (mg/l)	BDL
41	Mercury (mg/l)	BDL
42	Total Coliform MPN/100 ml	900
43	Faecal Coliform MPN/100ml	900
44	Faecal Streptococci MPN/100ml	210
45	Alpha HCH µg/l	BDL
46	Gamma HCH µg/l	BDL
47	Detla HCH µg/l	BDL
48	Methyl Parathion µg/l	BDL
49	Alachor µg/l	BDL
50	Aldrin µg/l	BDL

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51	Malathion µg/l	BDL
52	Chlorpyrifos µg/l	BDL
53	Alpha Endosulfan µg/l	BDL
54	Butachlor µg/l	BDL
55	Beta Endosulfan µg/l	BDL
56	Phorate µg/l	BDL
57	op DDT µg/l	BDL
58	op DDD µg/l	BDL
59	pp DDD µg/l	BDL
60	op DDE µg/l	BDL
61	pp DDE µg/l	BDL
62	Dieldrin µg/l	BDL
63	Ethion µg/l	BDL
64	Endosulfan sulfate µg/l	BDL
65	pp DDT µg/l	BDL

BDL - Below Detectable Limit DL - Detection Limit