

Surface Water Quality Data in Karaikal - April 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.04.2024
4	Time	8.00 AM
5	Temperature °C	30.0
6	DO mg/l	7.0
7	pH	8.39
8	Conductivity µmho/cm	960
9	Turbidity NTU	4.5
10	COD (mg/l)	36.3
11	BOD (mg/l)	2.8
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	BDL (DL:0.4)
16	P. Alkalinity (mg/l)	BDL (DL:5.0)
17	Total Alkalinity (mg/l)	231
18	Chloride mg/l	114.61
19	Total Hardness mg/l	152
20	Calcium Hardness mg/l	140
21	Magnesium Hardness mg/l	12
22	Calcium as Ca ⁺⁺ mg/l	56
23	Magnesium as Mg ⁺⁺ mg/l	2.916

Sl.No.	Parameters	Arasalar River
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24	TDS mg/l	512
25	TSS (mg/l)	12.0
26	FDS/TFS mg/l	335
27	Sulphate (mg/l)	18.51
28	Ortho phosphate(mg/l)	0.10
29	Sodium mg/l	198.5
30	Potassium mg/l	4.15
31	% Sodium	73.26
32	SAR	7.0
33	Total Coliform MPN/100 ml	140
34	Faecal Coliform MPN/100ml	140
35	Faecal Streptococci MPN/100ml	140

BDL - Below Detectable Limit DL - Detection Limit