

Surface Water Quality Data in Karaikal - February 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.02.2024
4	Time	6.50 AM
5	Temperature °C	28.0
6	DO mg/l	7.5
7	pH	7.48
8	Conductivity µmho/cm	693
9	Turbidity NTU	2.4
10	COD (mg/l)	12.0
11	BOD (mg/l)	1.1
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)	180
18	Chloride mg/l	74.24
19	Total Hardness mg/l	128
20	Calcium Hardness mg/l	70
21	Calcium as Ca++ mg/l	28
22	Magnesium Hardness mg/l	58
23	Magnesium as Mg++ mg/l	14.094

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	TDS mg/l	324
25	TSS (mg/l)	BDL (DL:10.0)
26	FDS/TFS mg/l	178
27	Sulphate (mg/l)	15.89
28	Ortho phosphate(mg/l)	0.13
29	Sodium mg/l	95.46
30	Potassium mg/l	3.24
31	% Sodium	60.96
32	SAR	3.7
33	Total Coliform MPN/100 ml	<2
34	Faecal Coliform MPN/100ml	<2
35	Faecal Streptococci MPN/100ml	210

BDL - Below Detectable Limit DL - Detection Limit