

Surface Water Quality Data in Karaikal - December 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	02.12.2024
4	Time	07.00 A.M
5	Temperature °C	27.0
6	DO mg/l	4.1
7	pH	6.54
8	Conductivity µmho/cm	561
9	Turbidity NTU	1.1
10	COD (mg/l)	12.0
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	BDL (DL:0.4)
16	P. Alkalinity (mg/l)	BDL (DL:5.0)
17	Total Alkalinity (mg/l)	140
18	Chloride mg/l	39.36
19	Total Hardness mg/l	110.0
20	Calcium Hardness mg/l	50.0
21	Calcium as Ca++ mg/l	20
22	Magnesium Hardness mg/l	60.0
23	Magnesium as Mg++ mg/l	14.58

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24	TDS mg/l	322
25	TSS (mg/l)	29.0
26	FDS/TFS mg/l	184
27	Sulphate (mg/l)	BDL (DL:5.0)
28	Fluoride (mg/l)	BDL (DL:0.2)
29	Ortho phosphate(mg/l)	0.06
30	Sodium mg/l	54.0
31	Potassium mg/l	2.73
32	% Sodium	50.68
33	SAR	2.2
34	Total Coliform MPN/100 ml	210
35	Faecal Coliform MPN/100ml	79
36	Faecal Streptococci MPN/100ml	94

BDL - Below Detectable Limit DL - Detection Limit