

Surface Water Quality Data in Karaikal - August 2024

Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.08.2024
4	Time	06.30 A.M
5	Temperature °C	30.0
6	DO (mg/l)	7.7
7	pH	8.18
8	Conductivity (µmho/cm)	1857
9	Turbidity NTU	7.6
10	COD (mg/l)	40.0
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)	8.0
17	Total Alkalinity (mg/l)	221.0
18	Chloride (mg/l)	328.3
19	Total Hardness (mg/l)	216.0
20	Calcium Hardness (mg/l)	90.0
21	Magnesium Hardness (mg/l)	126.0
22	Calcium as Ca++ (mg/l)	36.0
23	Magnesium as Mg++ (mg/l)	30.6

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24	TDS (mg/l)	1069
25	TSS (mg/l)	21.0
26	FDS/TFS (mg/l)	753
27	Sulphate (mg/l)	40.75
28	Ortho phosphate (mg/l)	BDL (DL:0.05)
29	Sodium (mg/l)	420.9
30	Potassium (mg/l)	7.33
31	% Sodium	80.13
32	Fluoride (mg/l)	0.99
33	SAR	12.4
34	Total Coliform MPN/100ml	70
35	Faecal Coliform MPN/100ml	70
36	Faecal Streptococci MPN/100ml	94

BDL - Below Detectable Limit DL - Detection Limit