

Surface Water Quality Data Karaikal Oct - Dec Quarter 2023

Sl.No	Parameters	Arasalar River
1	Station Code	1685
2	Latitude	10.9095
3	Longitude	79.817833
4	Date of Sampling	11.12.2023
5	Time	6.20 AM
6	Temperature °C	28.0
7	DO mg/l	5.3
8	pH	7.65
9	Conductivity µmho/cm	688
10	COD (mg/l)	28.0
11	BOD (mg/l)	BDL (DL:1.0)
12	Turbidity NTU	BDL (DL:1.0)
13	Nitrate -N (mg/l)	BDL (DL : 0.3)
14	Nitrite-N (mg/l)	BDL (DL : 0.02)
15	Nitrate (mg/l)	BDL
16	P. Alkalinity (mg/l)	BDL (DL : 5.0)
17	Total Alkalinity (mg/l)	198
18	Chloride (mg/l)	70.9
19	Ammonia -N (mg/l)	BDL (DL : 0.4)
20	Total Hardness as CaCO₃ (mg/l)	126.72
21	Calcium Hardness as CaCO₃ (mg/l)	89.10
22	Magnesium Hardness as CaCO₃ (mg/l)	37.62
23	Calcium as Ca⁺⁺ (mg/l)	35.64

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	Station Code	1685
24	Magnesium as Mg ⁺⁺ (mg/l)	9.14
25	TDS (mg/l)	367.0
26	TSS (mg/l)	BDL (DL : 10.0)
27	FDS /TFS (mg/l)	106
28	Sodium (mg/l)	83.2
29	Potassium (mg/l)	11.91
30	Hexavalent Chromium (mg/l)	BDL
31	Sulphate (mg/l)	17.84
32	Ortho phosphate (mg/l)	0.19
33	% Sodium	55.94
34	SAR	3.2
35	Faecal Coliform MPN/100ml	220.00
36	Total Coliform MPN/100ml	540.00
37	Faecal Streptococci MPN/100ml	<1.8

BDL - Below Detectable Limit

DL - Detection Limit