

Surface Water Quality Data in Karaikal for Oct-Dec Quarter 2019

Sl.No	Parameters	Arasalar River
Station Code		1685
1	Dt.of Sampling	16.12.2019
2	Time	09.30 AM
3	Temperature °C	29.5
4	pH	7.52
5	Conductivity µmho/cm	470.0
6	DO (mg/l)	4.0
7	COD (mg/l)	8.0
8	BOD (mg/l)	BDL
9	Turbidity NTU	2.3
10	Ammoniacal Nitrogen (mg/l)	BDL
11	Nitrate -N (mg/l)	0.1398
12	Nitrite-N (mg/l)	0.0202
13	Nitrate (mg/l)	0.619
14	Bi- Carbonate as CaCO ₃ (mg/l)	178.0
15	Carbonate as CaCO ₃ (mg/l)	NIL
16	Chloride (mg/l)	59.8
17	Total Hardness (mg/l)	126.0
18	Calcium hardness (mg/l)	74.0
19	Magnesium hardness (mg/l)	52.0
20	Calcium as Ca ⁺⁺ (mg/l)	29.6
21	Magnesium as Mg ⁺⁺ (mg/l)	12.6
22	TDS (mg/l)	336.0
23	TSS (mg/l)	13.0

Sl.No	Parameters	Arasalar River
24	FDS /TFS (mg/l)	279.0
25	Sodium (mg/l)	57.35
26	Potassium (mg/l)	3.73
27	Sulphate (mg/l)	44.3
28	% Sodium	48.73
29	SAR	2.2
30	Hexavalent Chromium (mg/l)	BDL
31	Ortho Phosphate (mg/l)	0.2495
32	Feacal Coliform MPN/100 ml	350
33	Feacal Streptococci MPN/100 ml	<1.8

BDL - Below Detectable Limit