

Surface Water Quality in Karaikal Oct - Dec 2018

Sl.No	Parameters	Arasalar
1	Dt.of Sampling	05.12.2018
2	Time	08.30 AM
3	Temperature °C	29
4	DO mg/l	4.5
5	pH	7.89
6	Conductivity µmho/cm	380
7	COD (mg/l)	12.0
8	BOD (mg/l)	BDL
9	Turbidity NTU	7.5
10	Nitrate -N (mg/l)	0.1924
11	Nitrite-N (mg/l)	0.0172
12	Nitrate (mg/l)	0.8519
13	Carbonate (mg/l)	Nil
14	Bi- Carbonate as CaCO ₃ (mg/l)	157.9
15	Chloride (mg/l)	44
16	Ammonia -N (mg/l)	BDL
17	Total Hardness (mg/l)	110.2
18	Calcium hardness (mg/l)	97.8
19	Magnesium hardness (mg/l)	12.4
20	Calcium as Ca ⁺⁺ (mg/l)	39.1
21	Magnesium as Mg ⁺⁺ (mg/l)	3.0
22	TDS (mg/l)	250
23	TSS (mg/l)	11.0
24	FDS /TFS (mg/l)	98
25	Sodium (mg/l)	45.7
26	Potassium (mg/l)	2.9
27	Ortho Phosphate (mg/l)	0.14
28	Sulphate (mg/l)	9.2
29	Hexavalent Chromium (mg/l)	BDL
30	% Sodium	46.6
31	SAR	1.9

