

Surface Water Quality Data in Karaikal - June 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	03.06.2024
4	Time	6.30 AM
5	Temperature °C	30.0
6	DO mg/l	7.1
7	pH	8.42
8	Conductivity µmho/cm	2740
9	Turbidity NTU	6.8
10	COD (mg/l)	20.2
11	BOD (mg/l)	2.0
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)	0.55
16	P. Alkalinity (mg/l)	14
17	Total Alkalinity (mg/l)	257
18	Chloride (mg/l)	694.2
19	Total Hardness (mg/l)	330
20	Calcium Hardness (mg/l)	114
21	Magnesium Hardness (mg/l)	216
22	Calcium as Ca ⁺⁺ (mg/l)	45.6
23	Magnesium as Mg ⁺⁺ (mg/l)	52.5

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	TDS (mg/l)	1547
25	TSS (mg/l)	BDL (DL:10.0)
26	FDS/TFS (mg/l)	931
27	Sulphate (mg/l)	37.36
28	Ortho phosphate (mg/l)	BDL (DL:0.05)
29	Sodium (mg/l)	456.3
30	Potassium (mg/l)	13.73
31	% Sodium	73.92
32	SAR	10.9
33	Total Coliform MPN/100ml	1600
34	Faecal Coliform MPN/100ml	1600
35	Faecal Streptococci MPN/100ml	140

BDL - Below Detectable Limit DL - Detection Limit

