

Surface Water Quality Data in Karaikal - May 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	02.05.2024
4	Time	6.20 A.M
5	Temperature °C	32.0
6	DO mg/l	6.2
7	pH	8.04
8	Conductivity µmho/cm	1862
9	Turbidity NTU	3.7
10	COD (mg/l)	32.1
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)	27
17	Total Alkalinity (mg/l)	245
18	Chloride mg/l	369.3
19	Total Hardness mg/l	238
20	Calcium Hardness mg/l	148
21	Magnesium Hardness mg/l	90
22	Calcium as Ca ⁺⁺ mg/l	59.2
23	Magnesium as Mg ⁺⁺ mg/l	21.87

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	TDS mg/l	1024
25	TSS (mg/l)	BDL (DL:10.0)
26	FDS/TFS mg/l	610
27	Sulphate (mg/l)	41.26
28	Ortho phosphate (mg/l)	0.16
29	Sodium mg/l	374.3
30	Potassium mg/l	8.63
31	% Sodium	76.48
32	SAR	10.5
33	Total Coliform MPN/100 ml	1600
34	Faecal Coliform MPN/100ml	900
35	Faecal Streptococci MPN/100ml	120

BDL - Below Detectable Limit DL - Detection Limit