

Surface Water Quality Data in Karaikal - May 2025		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	05.05.2025
4	Time	06.30 A.M
5	Temperature °C	28.5
6	DO mg/l	5.5
7	pH	7.46
8	Conductivity µmho/cm	847
9	Turbidity NTU	3.9
10	COD (mg/l)	16.0
11	BOD (mg/l)	BDL (DL:1.0)
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)	BDL (DL:0.4)
16	Fluoride (mg/l)	0.79
17	P. Alkalinity (mg/l)	BDL (DL:5.0)
18	Total Alkalinity (mg/l)	231.0
19	Chloride mg/l	106.8
20	Total Hardness mg/l	141.1
21	Calcium Hardness mg/l	75.6
22	Magnesium Hardness mg/l	65.5
23	Calcium as Ca++ mg/l	30.2

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24	Magnesium as Mg ⁺⁺ mg/l	15.9
25	TDS mg/l	453
26	TSS (mg/l)	12.0
27	FDS/TFS mg/l	180
28	Sulphate (mg/l)	30.5
29	Ortho phosphate (mg/l)	0.12
30	Sodium mg/l	111.2
31	Potassium mg/l	3.7
32	% Sodium	62.3
33	SAR	4.1
34	Total Coliform MPN/100 ml	210
35	Faecal Coliform MPN/100ml	94
36	Faecal Streptococci MPN/100ml	49

BDL - Below Detectable Limit DL - Detection Limit