

Surface Water Quality Data in Karaikal - March 2025		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	04.03.2025
4	Time	06.30 A.M
5	Temperature °C	29.0
6	DO mg/l	6.1
7	pH	7.42
8	Conductivity µmho/cm	866
9	Turbidity NTU	1.4
10	COD (mg/l)	12.1
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)	BDL (DL:0.4)
16	Fluoride (mg/l)	0.55
17	P. Alkalinity (mg/l)	BDL (DL:5.0)
18	Total Alkalinity (mg/l)	152
19	Chloride mg/l	102.8
20	Total Hardness mg/l	110.0
21	Calcium Hardness mg/l	80.0
22	Magnesium Hardness mg/l	30.0
23	Calcium as Ca ⁺⁺ mg/l	32.0

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24	Magnesium as Mg ⁺⁺ mg/l	7.29
25	TDS mg/l	432
26	TSS (mg/l)	19.0
27	FDS/TFS mg/l	173
28	Sulphate (mg/l)	29.1
29	Ortho phosphate (mg/l)	BDL (DL:0.05)
30	Sodium mg/l	112.23
31	Potassium mg/l	4.78
32	% Sodium	67.68
33	SAR	4.6
34	Total Coliform MPN/100 ml	220
35	Faecal Coliform MPN/100ml	220
36	Faecal Streptococci MPN/100ml	110

BDL - Below Detectable Limit DL - Detection Limit