

Surface Water Quality Data in Karaikal - November 2025		
Sl. No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	03.11.2025
4	Time	06.30 A.M
5	Temperature °C	28.0
6	DO mg/l	8.0
7	pH	7.68
8	Conductivity µmho/cm	570
9	Turbidity NTU	3.5
10	COD (mg/l)	4.0
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)	0.85
17	P. Alkalinity (mg/l)	BDL (DL: 5)
18	Total Alkalinity (mg/l)	186
19	Chloride mg/l	55.4
20	Total Hardness mg/l	136.0
21	Calcium Hardness mg/l	80.0
22	Magnesium Hardness mg/l	56.0
23	Calcium as Ca ⁺⁺ mg/l	32

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24	Magnesium as Mg ⁺⁺ mg/l	13.6
25	TDS mg/l	374
26	TSS (mg/l)	BDL (DL:10)
27	FDS/TFS mg/l	187
28	Sulphate (mg/l)	21.29
29	Ortho phosphate (mg/l)	0.61
30	Sodium mg/l	62.56
31	Potassium mg/l	4.22
32	% Sodium	48.93
33	SAR	2.32
34	Hexavalent Chromium (mg/l)	BDL
35	Total Coliform MPN/100 ml	540
36	Faecal Coliform MPN/100ml	240
37	Faecal Streptococci MPN/100ml	280

BDL - Below Detection Limit
DL - Detection Limit