

Surface Water Quality Data in Karaikal - August 2026		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	03.08.2026
4	Time	11.45 A.M
5	Temperature °C	28.0
6	DO mg/l	7.5
7	pH	8.40
8	Conductivity µmho/cm	1511
9	Turbidity NTU	20.1
10	COD (mg/l)	60.5
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	P. Alkalinity (mg/l)	10.0
16	Total Alkalinity (mg/l)	453
17	Carbonate (mg/l)	6.0
18	Bi- Carbonate (mg/l)	540.46
19	Fluoride (mg/l)	0.35
20	Chloride mg/l	234.8
21	Ammonia - N (mg/l)	BDL (DL: 0.4)
22	Total Hardness mg/l	200.0
23	Calcium Hardness mg/l	64.1
24	Magnesium Hardness mg/l	135.9

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25	Calcium as Ca ⁺⁺ mg/l	25.6
26	Magnesium as Mg ⁺⁺ mg/l	33.02
27	TDS mg/l	911
28	TSS (mg/l)	46.0
29	FDS/TFS mg/l	661
30	Sulphate (mg/l)	48.26
31	Ortho phosphate (mg/l)	BDL (DL:0.05)
32	Sodium mg/l	296.1
33	Potassium mg/l	7.85
34	% Sodium	75.26
35	SAR	9.07
36	Total Coliform MPN/100 ml	1600
37	Faecal Coliform MPN/100ml	920
38	Faecal Streptococci MPN/100ml	350

BDL - Below Detectable Limit DL - Detection Limit