

Surface Water Quality Data in Karaikal - June 2026		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.06.2026
4	Time	06.30 A.M
5	Temperature °C	31.0
6	DO mg/l	4.5
7	pH	8.14
8	Conductivity µmho/cm	1093
9	Turbidity NTU	5.9
10	COD (mg/l)	48.0
11	BOD (mg/l)	1.5
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)	BDL (DL: 5)
16	Total Alkalinity (mg/l)	265
17	Carbonate (mg/l)	BDL
18	Bi- Carbonate (mg/l)	323
19	Fluoride (mg/l)	0.65
20	Chloride mg/l	143.8
21	Ammonia - N (mg/l)	BDL (DL: 0.4)
22	Total Hardness mg/l	194.1
23	Calcium Hardness mg/l	60.8
24	Magnesium Hardness mg/l	133.3

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25	Calcium as Ca ⁺⁺ mg/l	24.3
26	Magnesium as Mg ⁺⁺ mg/l	32.4
27	TDS mg/l	638
28	TSS (mg/l)	13.0
29	FDS/TFS mg/l	476
30	Sulphate (mg/l)	26.91
31	Ortho phosphate (mg/l)	0.12
32	Sodium mg/l	189.7
33	Potassium mg/l	9.1
34	% Sodium	66.53
35	SAR	5.90
36	Total Coliform MPN/100 ml	430
37	Faecal Coliform MPN/100ml	220
38	Faecal Streptococci MPN/100ml	210

BDL - Below Detectable Limit DL - Detection Limit