

Surface Water Quality Data in Karaikal - May 2026		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	07.05.2026
4	Time	06.40 A.M
5	Temperature °C	30.0
6	DO mg/l	4.5
7	pH	8.01
8	Conductivity µmho/cm	1093
9	Turbidity NTU	3.4
10	COD (mg/l)	16.0
11	BOD (mg/l)	1.3
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)	0.62
17	P. Alkalinity (mg/l)	BDL (DL: 5)
18	Total Alkalinity (mg/l)	305
19	Chloride mg/l	128.2
20	Total Hardness mg/l	205.9
21	Calcium Hardness mg/l	54.9
22	Magnesium Hardness mg/l	151.0
23	Calcium as Ca ⁺⁺ mg/l	22.0

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24	Magnesium as Mg ⁺⁺ mg/l	36.7
25	TDS mg/l	649
26	TSS (mg/l)	15.0
27	FDS/TFS mg/l	360
28	Sulphate (mg/l)	25.82
29	Ortho phosphate (mg/l)	0.35
30	Sodium mg/l	213.2
31	Potassium mg/l	4.5
32	% Sodium	68.48
33	SAR	6.43
34	Total Coliform MPN/100 ml	430
35	Faecal Coliform MPN/100ml	170
36	Faecal Streptococci MPN/100ml	63

BDL - Below Detectable Limit DL - Detection Limit