

Surface Water Quality Data in Karaikal - June 2025		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	02.06.2025
4	Time	06.45 A.M
5	Temperature °C	28.0
6	DO mg/l	5.9
7	pH	7.65
8	Conductivity µmho/cm	951
9	Turbidity NTU	5.4
10	COD (mg/l)	12.0
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)	0.59
17	P. Alkalinity (mg/l)	BDL (DL:5.0)
18	Total Alkalinity (mg/l)	259.0
19	Chloride mg/l	115.6
20	Total Hardness mg/l	150.5
21	Calcium Hardness mg/l	77.2
22	Magnesium Hardness mg/l	73.3
23	Calcium as Ca ⁺⁺ mg/l	30.9

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24	Magnesium as Mg ⁺⁺ mg/l	17.8
25	TDS mg/l	542
26	TSS (mg/l)	BDL (DL:10.0)
27	FDS/TFS mg/l	296
28	Sulphate (mg/l)	29.9
29	Ortho phosphate (mg/l)	0.24
30	Sodium mg/l	184.30
31	Potassium mg/l	3.85
32	% Sodium	71.9
33	SAR	6.51
34	Total Coliform MPN/100 ml	170
35	Faecal Coliform MPN/100ml	46
36	Faecal Streptococci MPN/100ml	27

BDL - Below Detectable Limit DL - Detection Limit