

Surface Water Quality Data in Karaikal - April 2025		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	01.04.2025
4	Time	06.30 A.M
5	Temperature °C	30.0
6	DO mg/l	5.2
7	pH	7.19
8	Conductivity µmho/cm	812
9	Turbidity NTU	2.8
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)	0.86
17	P. Alkalinity (mg/l)	BDL (DL:5.0)
18	Total Alkalinity (mg/l)	160.0
19	Chloride mg/l	109.6
20	Total Hardness mg/l	149.52
21	Calcium Hardness mg/l	75.73
22	Magnesium Hardness mg/l	73.79
23	Calcium as Ca++ mg/l	30.29

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24	Magnesium as Mg ⁺⁺ mg/l	17.93
25	TDS mg/l	428
26	TSS (mg/l)	BDL (DL10.0)
27	FDS/TFS mg/l	147
28	Sulphate (mg/l)	38.10
29	Ortho phosphate (mg/l)	0.07
30	Sodium mg/l	106.9
31	Potassium mg/l	4.31
32	% Sodium	59.86
33	SAR	3.79
34	Total Coliform MPN/100 ml	110
35	Faecal Coliform MPN/100ml	<1.8
36	Faecal Streptococci MPN/100ml	<1.8

BDL - Below Detectable Limit DL - Detection Limit