

Surface Water Quality Data in Karaikal - March 2026

Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	02.03.2026
4	Time	06.50 A.M
5	Temperature °C	28.0
6	DO mg/l	5.1
7	pH	7.84
8	Conductivity µmho/cm	893
9	Turbidity NTU	3.2
10	COD (mg/l)	24.2
11	BOD (mg/l)	2.5
12	Nitrate -N (mg/l)	BDL (DL: 0.3)
13	Nitrite -N (mg/l)	BDL (DL: 0.02)
14	Nitrate (mg/l)	BDL
15	Ammonia - N (mg/l)	BDL (DL: 0.4)
16	Fluoride (mg/l)	0.63
17	P. Alkalinity (mg/l)	BDL (DL: 5)
18	Total Alkalinity (mg/l)	270
19	Chloride mg/l	111.9
20	Total Hardness mg/l	182.0
21	Calcium Hardness mg/l	82.0
22	Magnesium Hardness mg/l	100.0
23	Calcium as Ca ⁺⁺ mg/l	32.8

Sl.No.	Parameters	Arasalar River
	Station Code	1685
24	Magnesium as Mg ⁺⁺ mg/l	24.3
25	TDS mg/l	522
26	TSS (mg/l)	BDL (DL: 10)
27	FDS/TFS mg/l	335
28	Sulphate (mg/l)	30.14
29	Ortho phosphate (mg/l)	0.17
30	Sodium mg/l	404.7
31	Potassium mg/l	3.7
32	% Sodium	82.40
33	SAR	13.00
34	Total Coliform MPN/100 ml	280
35	Faecal Coliform MPN/100ml	94
36	Faecal Streptococci MPN/100ml	<1.8

BDL - Below Detectable Limit DL - Detection Limit