

Surface Water Quality Data in Karaikal - Febuary 2026

Sl. No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	02.02.2026
4	Time	07.40 P.M
5	Temperature °C	26.0
6	DO mg/l	5.2
7	pH	7.71
8	Conductivity µmho/cm	808
9	Turbidity NTU	3.5
10	COD (mg/l)	12.0
11	BOD (mg/l)	1.1
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)	0.37
17	P. Alkalinity (mg/l)	BDL (DL:5.0)
18	Total Alkalinity (mg/l)	248
19	Chloride mg/l	88.7
20	Total Hardness mg/l	172.0
21	Calcium Hardness mg/l	90.0
22	Magnesium Hardness mg/l	82.0
23	Calcium as Ca ⁺⁺ mg/l	36

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24	Magnesium as Mg ⁺⁺ mg/l	19.9
25	TDS mg/l	540
26	TSS (mg/l)	BDL (DL:10)
27	FDS/TFS mg/l	283
28	Sulphate (mg/l)	28.89
29	Ortho phosphate (mg/l)	0.64
30	Sodium mg/l	92.42
31	Potassium mg/l	3.46
32	% Sodium	53.13
33	SAR	3.06
34	Copper (mg/l)	BDL (DL:0.02)
35	Nickel (mg/l)	BDL (DL:0.005)
36	Cadmium (mg/l)	BDL (DL:0.001)
37	Lead (mg/l)	BDL (DL:0.005)
38	Total Chromium (mg/l)	BDL (DL:0.02)
39	Iron (Total) mg/l	0.46
40	Zinc (mg/l)	BDL (DL:0.05)
41	Arsenic (mg/l)	BDL (DL:0.005)
42	Mercury (mg/l)	BDL (DL:0.0005)
43	Total Coliform MPN/100 ml	84
44	Faecal Coliform MPN/100ml	<1.8
45	Faecal Streptococci MPN/100ml	<1.8
46	Alpha HCH µg/l	BDL
47	Gamma HCH µg/l	BDL
48	Delta HCH µg/l	BDL
49	Methyl Parathion µg/l	BDL
50	Alachor µg/l	BDL

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51	Aldrin µg/l	BDL
52	Malathion µg/l	BDL
53	Chlorpyrifos µg/l	BDL
54	Alpha Endosulfan µg/l	BDL
55	Butachlor µg/l	BDL
56	Beta Endosulfan µg/l	BDL
57	Phorate µg/l	BDL
58	op DDT µg/l	BDL
59	op DDD µg/l	BDL
60	pp DDD µg/l	BDL
61	op DDE µg/l	BDL
62	pp DDE µg/l	BDL
63	Dieldrin µg/l	BDL
64	Ethion µg/l	BDL
65	Endosulfan sulfate µg/l	BDL
66	pp DDT µg/l	BDL

BDL - Below Detection Limit; DL - Detection Limit