

Surface Water Quality Data in Karaikal - September 2024		
Sl.No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	03.09.2024
4	Time	06.50 A.M
5	Temperature °C	28.0
6	DO (mg/l)	3.2
7	pH	6.89
8	Conductivity (µmho/cm)	424
9	Turbidity NTU	1.5
10	COD (mg/l)	28.1
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	P. Alkalinity (mg/l)	BDL (DL:5.0)
17	Total Alkalinity (mg/l)	94.0
18	Chloride (mg/l)	401.0
19	Total Hardness (mg/l)	92.0
20	Calcium Hardness (mg/l)	54.0
21	Magnesium Hardness (mg/l)	38.0
22	Calcium as Ca++ (mg/l)	21.6
23	Magnesium as Mg++ (mg/l)	9.2

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24	TDS (mg/l)	223
25	TSS (mg/l)	27.0
26	FDS/TFS (mg/l)	53
27	Sulphate (mg/l)	14.82
28	Ortho phosphate (mg/l)	0.100
29	Sodium (mg/l)	33.63
30	Potassium (mg/l)	4.09
31	% Sodium	42.83
32	Fluoride (mg/l)	0.41
33	SAR	1.5
34	Total Arsenic (mg/l)	BDL (DL:0.005)
35	Cadmium (mg/l)	BDL (DL:0.001)
36	Total Chromium (mg/l)	BDL (DL:0.02)
37	Copper (mg/l)	BDL (DL:0.02)
38	Iron (mg/l)	0.51
39	Lead (mg/l)	BDL (DL:0.005)
40	Nickel (mg/l)	BDL (DL:0.005)
41	Zinc (mg/l)	BDL (DL:0.05)
42	Mercury (mg/l)	BLQ (LOQ:0.0005)
43	Total Coliform MPN/100ml	900
44	Faecal Coliform MPN/100ml	900
45	Faecal Streptococci MPN/100ml	84
46	Alpha HCH µg/l	BDL
47	Gamma HCH µg/l	BDL
48	Detla HCH µg/l	BDL
49	Methyl Parathion µg/l	BDL
50	Alachor µg/l	BDL
51	Aldrin µg/l	BDL

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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 Detectable Limit DL - Detection Limit