Surface Water Quality Data in Karaikal - September 2026		
Sl. No.	**Parameters**	**Arasalar River**
	Station Code	**1685**
1	**Latitude**	10.9095 N
2	**Longitude**	79.817833 E
3	**Dt.of Sampling**	01.09.2026
4	**Time**	07.15 A.M
5	**Temperature °C**	28.0
6	**DO mg/l**	5.0
7	**pH**	8.73
8	**Conductivity µmho/cm**	1509
9	**Turbidity NTU**	20.7
10	**COD (mg/l)**	44.0
11	**BOD (mg/l)**	2.3
12	**Nitrate -N (mg/l)**	BDL (Dl: 0.3)
13	**Nitrite -N (mg/l)**	BDL (DL: 0.02)
14	**Nitrate (mg/l)**	BDL
15	**Carbonate (mg/l)**	11.4
16	**Bi- Carbonate (mg/l)**	572.2
17	**Ammonia - N (mg/l)**	BDL (DL: 0.4)
18	**Fluoride (mg/l)**	0.8
19	**P. Alkalinity (mg/l)**	19
20	**Total Alkalinity (mg/l)**	488
21	**Chloride mg/l**	227.3
22	**Total Hardness mg/l**	190.2
23	**Calcium Hardness mg/l**	62.7

Sl. No.	Parameters	Arasalar River
	Station Code	**1685**
24	**Magnesium Hardness mg/l**	127.5
25	**Calcium as Ca++ mg/l**	25.08
26	**Magnesium as Mg++ mg/l**	30.98
27	**TDS mg/l**	928
28	**TSS (mg/l)**	31.0
29	**FDS/TFS mg/l**	557
30	**Sulphate (mg/l)**	45.07
31	**Ortho phosphate (mg/l)**	0.18
32	**Sodium mg/l**	303.40
33	**Potassium mg/l**	8.28
34	**Hexavalent Chromium (mg/l)**	BDL (DL: 0.05)
35	**% Sodium**	76.52
36	**SAR**	9.53
37	**Copper (mg/l)**	BDL (DL:0.02)
38	**Nickel (mg/l)**	BDL (DL:0.005)
39	**Cadmium (mg/l)**	BDL (DL:0.001)
40	**Lead (mg/l)**	BDL (DL:0.005)
41	**Total Chromium (mg/l)**	BDL (DL:0.02)
42	**Iron (Total) mg/l**	0.99
43	**Zinc (mg/l)**	BDL (DL:0.05)
44	**Arsenic (mg/l)**	BDL (DL:0.005)
45	**Mercury (mg/l)**	BDL (DL:0.0005)
46	**Total Coliform MPN/100 ml**	280
47	**Faecal Coliform MPN/100ml**	94
48	**Faecal Streptococci MPN/100ml**	<1.8

BDL - Below Detection Limit; DL - Detection Limit