

Surface Water Quality Data in Puducherry for JUL-SEP 2021 Quarter			
Sl.No.	Parameters	Chunnambar River	Ousteri Lake
	Station Code	1689	1396
1	Latitude	11° 52' 59.9"N	11° 57'01.9" N
2	Longitude	79° 47' 57.0"E	79° 44' 47.7" E
3	Dt.of Sampling	06.09.2021	06.09.2021
4	Time	10.30 A.M	05.00 P.M
5	Temperature °C	30.0	31.0
6	DO mg/l	3.1	7
7	pH	7.83	8.00
8	Conductivity µmho/cm	1294	262
9	COD (mg/l)	48.0	12.0
10	BOD (mg/l)	7.5	1.2
11	Turbidity NTU	7.2	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 (DL-1.0)	
15	Bi- Carbonate as CaCO ₃ (mg/l)	380.0	392.0
16	Bi- Carbonate as HCO ₃ ⁻ (mg/l)	463.6	478.24
17	P. Alkalinity (mg/l)	BDL (DL-5.0)	
18	Carbonate as CO ₃ (mg/l)	BDL (DL-3.0)	
19	Total Alkalinity (mg/l)	380	392
20	Chloride (mg/l)	297.9	23.0
21	Ammonia -N (mg/l)	BDL (DL-0.4)	
22	Total Hardness as CaCO ₃ (mg/l)	208	98
23	Calcium Hardness as CaCO ₃ (mg/l)	106	64
24	Magnesium Hardness as CaCO ₃ (mg/l)	102	34
25	Calcium as Ca ⁺⁺ (mg/l)	42.4	25.6

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	Station Code	1689	1685
26	Magnesium as Mg ⁺⁺ (mg/l)	24.8	8.3
27	TDS (mg/l)	688	146
28	TSS (mg/l)	16	BDL (DL-10.0)
29	FDS /TFS (mg/l)	487	28
30	Sodium (mg/l)	155.7	19.24
31	Potassium (mg/l)	5.7	2.3
32	Hexavalent Chromium (mg/l)	BDL	
33	Sulphate (mg/l)	68.0	5.1
34	Ortho phosphate (mg/l)	0.20	0.19
35	% Sodium	60.97	29.18
36	SAR	4.70	0.80
37	Gamma BHC µg/L	BDL	BDL
38	OP DDT µg/L	BDL	BDL
39	PP DDT µg/L	BDL	BDL
40	PP DDD µg/L	BDL	BDL
41	PP DDE µg/L	BDL	BDL
42	Alpha Endosulphan µg/L	BDL	BDL
43	Beta Endosulphan µg/L	BDL	BDL
44	Chloropyriphos µg/L	BDL	BDL
45	Butachlor µg/L	BDL	BDL
46	Alachlor µg/L	BDL	BDL
47	Atrazine µg/L	BDL	BDL
48	Aldrin µg/L	BDL	BDL
49	Dieldrin µg/L	BDL	BDL
50	Monochorotophos µg/L	BDL	BDL

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	Station Code	1689	1685
51	Ethion µg/L	BDL	BDL
52	Phorate µg/L	BDL	BDL
53	2,4-D µg/L	BDL	BDL
54	Isoproturon µg/L	BDL	BDL
55	Methyl Parathion µg/L	BDL	BDL
56	Malathion µg/L	BDL	BDL
57	Heptachlor µg/L	BDL	BDL
58	Chlorandane µg/L	BDL	BDL
59	Carbaryl (Carbamate) µg/L	BDL	BDL
60	Alpha HCH µg/L	BDL	BDL
61	Beta HCH µg/L	BDL	BDL
62	Copper (mg/l)	BDL (DL-0.01)	
63	Nickel (mg/l)	BDL (DL-0.01)	
64	Cadmium (mg/l)	BDL (DL-0.001)	
65	Lead (mg/l)	BDL (DL-0.005)	
66	Total Chromium (mg/l)	BDL (DL-0.01)	
67	Iron (mg/l)	0.39	0.45
68	Zinc (mg/l)	BDL (DL-0.1)	
69	Arsenic (mg/l)	BDL (DL-0.005)	
70	Mercury (mg/l)	BDL (DL-0.0005)	
71	Manganese (mg/l)	0.065	0.085
72	Total Coliform MPN/100 ml	500	280
73	Faecal Coliform MPN/100ml	170	110
74	Faecal Streptococci MPN/100ml	BDL (DL- 1.8)	

BDL - Below Detectable Limit; DL - Detection Limit

Water was not available in Kanagan Lake and Bahourv Lake. Hence water sample not collected