

Surface Water Quality Data in Puducherry - September 2024				
Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River
	Station Code	1396	4634	1689
1	Latitude	11.950528 N	11.935104 N	11.883585 N
2	Longitude	79.746583 E	79.798522 E	79.787326 E
3	Dt.of Sampling	03.09.2024	03.09.2024	02.09.2024
4	Time	12.45 P.M	05.10 P.M	04.30 P.M
5	Temperature °C	32.0	32.0	30.0
6	DO (mg/l)	6.3	13.5	10.0
7	pH	7.80	8.45	8.32
8	Conductivity (µmho/cm)	586	979	1300
9	COD (mg/l)	44.2	40.2	56.4
10	BOD (mg/l)	BDL (DL:1.0)	3.0	3.5
11	Turbidity NTU	3.4	8.7	6
12	Nitrate -N (mg/l)	BDL (DL:0.3)		
13	Nitrite-N (mg/l)	BDL (DL:0.02)		
14	Nitrate (mg/l)	BDL		
15	P. Alkalinity (mg/l)	BDL (DL:5.0)	28	BDL
16	Total Alkalinity (mg/l)	90	226	222
17	Chloride (mg/l)	77.0	197.6	195.7
18	Ammonia -N (mg/l)	BDL (DL:0.4)		
19	Total Hardness as CaCO ₃ (mg/l)	94	196	238
20	Calcium Hardness as CaCO ₃ (mg/l)	50	114	100
21	Magnesium Hardness as CaCO ₃ (mg/l)	44	82	138
22	Calcium as Ca ⁺⁺ (mg/l)	20	45.6	40

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23	Magnesium as Mg ⁺⁺ (mg/l)	10.7	19.9	33.5
24	TDS (mg/l)	332	605	793
25	TSS (mg/l)	BDL (DL:10.0)	27.0	24.0
26	FDS /TFS (mg/l)	232	423	595
27	Sodium (mg/l)	56.88	113.9	188
28	Potassium (mg/l)	5.68	11.44	5.54
29	Sulphate (mg/l)	8.08	24.65	61.28
30	Ortho phosphate (mg/l)	0.08	BDL (DL:0.05)	0.24
31	% Sodium	54.83	53.92	62.36
32	Fluoride (mg/l)	0.55	0.65	0.96
33	SAR	2.5	3.5	5.3
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)	0.2	0.4	0.2
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:0.004)		
43	Total Coliform MPN/100 ml	1600	1600	1600
44	Faecal Coliform MPN/100ml	1600	1600	1600
45	Faecal Streptococci MPN/100ml	<1.8	63	94

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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		
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