

Surface Water Quality Data in Puducherry - August 2024

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
1	Latitude	11.950528 N	11.935104 N	11.883585 N	11.829944 N
2	Longitude	79.746583 E	79.798522 E	79.787326 E	79.743139 E
3	Dt.of Sampling	01.08.2024	01.08.2024	01.08.2024	01.08.2024
4	Time	11.00 A.M	11.30 A.M	12.15 P.M	01.00 P.M
5	Temperature °C	31.0	31.0	31.0	31.0
6	DO (mg/l)	5.4	5.5	8.8	11.4
7	pH	7.65	7.87	8.55	8.21
8	Conductivity (µmho/cm)	685	1589	1618	1360
9	COD (mg/l)	48	88	80	96
10	BOD (mg/l)	2.5	7.5	6.0	8.8
11	Turbidity NTU	4.1	2.9	20.5	54.1
12	Nitrate -N (mg/l)	BDL (DL:0.3)			
13	Nitrite-N (mg/l)	BDL (DL:0.02)			
14	Nitrate (mg/l)	BDL			
15	P. Alkalinity (mg/l)	BDL (DL:5.0)		23	8
16	Total Alkalinity (mg/l)	123	106	239	221
17	Chloride (mg/l)	110.7	333.2	286.5	264.2
18	Ammonia -N (mg/l)	BDL (DL:0.4)	0.78	BDL (DL:0.4)	
19	Total Hardness as CaCO ₃ (mg/l)	134	310	260	234
20	Calcium Hardness as CaCO ₃ (mg/l)	68	212	102	96
21	Magnesium Hardness as CaCO ₃ (mg/l)	66	98	158	138

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	Station Code	1396	4634	1689	1686
22	Calcium as Ca ⁺⁺ (mg/l)	26.4	84.8	40.8	38.4
23	Magnesium as Mg ⁺⁺ (mg/l)	16.5	23.8	38.4	33.5
24	TDS (mg/l)	364	697	711	599
25	TSS (mg/l)	BDL(DL:10)	24.0	32.0	75.0
26	FDS /TFS (mg/l)	201	399	406	314
27	Sodium (mg/l)	94.75	274.9	347.7	266
28	Potassium (mg/l)	6.2	13.12	6.67	8.99
29	Sulphate (mg/l)	9.2	13.88	89.58	24.13
30	Ortho phosphate (mg/l)	BDL (DL:0.05)	0.96	0.11	0.09
31	% Sodium	59.07	64.56	73.64	70.06
32	Fluoride (mg/l)	0.62	0.71	0.76	0.8
33	SAR	3.5	6.8	9.3	7.5
34	Total Coliform MPN/100 ml	220	4	90	90
35	Faecal Coliform MPN/100ml	220	4	90	90
36	Faecal Streptococci MPN/100ml	70	110	540	130

BDL - Below Detectable Limit; DL - Detection Limit