

January 2017 - Quarter
Surface water quality in Puducherry

Sl.No	Parameters	Bahoor	Chunambar	Ousteri
1	Dt.of Sampling	30.01.2017	30.01.2017	30.01.2017
2	Time	10.45	11.45	13.15
3	Temperature °C	30	30	30
4	DO mg/l	5.9	7.8	8.1
5	pH	8.18	9.23	8.44
6	Conductivity (µmho/cm)	650.00	1412.00	307
7	BOD (mg/l)	1.8	2.5	23
8	Nitrate -N (mg/l)	0.008	BDL	0.028
9	Nitrate (mg/l)	0.035	BDL	0.124
10	Nitrite - N (mg/l)	BDL	BDL	0.0118
11	Turbidity NTU	91.3	40.3	58.1
12	Bi- Carbonate as CaCO ₃ (mg/l)	351	331	158
13	Chloride (mg/l)	68	44	52
14	COD (mg/l)	20.2	189.5	112.9
15	Hardness as CaCO ₃ (mg/l)	156	244	168
16	Calcium as CaCO ₃ (mg/l)	108	184	88
17	Calcium as Ca++	43	74	35
18	Magnesium as CaCO ₃ (mg/l)	48	60	80
19	Magnesium as Mg++	11.6	14.5	19.4
20	Sulphate (mg/l)	26.3	83.9	21
21	Sodium (mg/l)	74.2	202	30.7
22	TDS (mg/l)	379	771	250
23	TSS (mg/l)	83.0	45.0	26.0
24	Ammonia - N (mg/l)	BDL	BDL	BDL
25	Orthophosphate (mg/l)	0.194	0.028	0.042
26	Potassium (mg/l)	5.5	7.5	6.6
27	% Sodium	50	63	27
28	SAR	2.6	6	1
29	Total Coliform MPN/100 ml	280	500	AB
30	Fecal Coliform MPN/100 ml	110	170	AB
31	Arsenic as AS (mg/l)	0.002	0.02	0.005
32	Cadmium as CD (mg/l)	ND	ND	ND
33	Copper as Cu (mg/l)	ND	ND	0.003
34	Chromium as Cr (mg/l)	ND	ND	ND
35	Iron as Fe (mg/l)	0.955	0.081	0.668
36	Lead as Pb (mg/l)	ND	ND	ND
37	Nickel as Ni (mg/l)	ND	ND	0.004
38	Zinc as Zn (mg/l)	0.008	ND	0.014
39	Alpha BHC (mg/l)	BDL	BDL	BDL
40	Beta BHC (mg/l)	BDL	BDL	BDL
41	Gama BHC (Lindane) (mg/l)	BDL	BDL	BDL
42	OP DDT (mg/l)	BDL	BDL	BDL
43	PP DDT (mg/l)	BDL	BDL	BDL
44	Alpha Endosulphan (mg/l)	BDL	BDL	BDL
45	Beta Endosulphan (mg/l)	BDL	BDL	BDL
46	Dieldrin (mg/l)	BDL	BDL	BDL
47	Carboryl Carbamate (mg/l)	BDL	BDL	BDL
48	24-D (mg/l)	BDL	BDL	BDL
49	Malathian (mg/l)	BDL	BDL	BDL
50	Methyl Parathian (mg/l)	BDL	BDL	BDL
51	Anilophos (mg/l)	BDL	BDL	BDL
52	Chloropyriphos (mg/l)	BDL	BDL	BDL

* AB - Absent

ND - Not Detected

BDL - Below Detectable Limit