

Surface Water Quality Data in Yanam Region - 2024				
Sl.No.	Parameters	Gautami - Godavari River Near Adavipolam	Coringa River (Tidal Lock)	Gautami - Godavari River Near Balayogi Bridge
	Station Code	2443	2444	2442
1	Latitude	16.725069	16.730167	16.714594
2	Longitude	82.205961	82.217389	82.261536
3	Dt.Of Sampling	12.11.2024	12.11.2024	12.11.2024
4	Time	10.15 A.M	10.45 A.M	11.05 A.M
5	Temperature °C	28.0	29.0	29.5
6	DO mg/l	8.0	7.3	8.1
7	pH	8.06	8.08	8.25
8	Conductivity ms/cm	5.46	2.99	4.25
9	Turbidity NTU	4.4	4.6	2.3
10	COD (mg/l)	8.0	12.0	8.0
11	BOD (mg/l)	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		
15	Ammonia - N (mg/l)	BDL (DL:0.4)		
16	Fluoride (mg/l)	0.19	0.78	0.53
17	P. Alkalinity (mg/l)	BDL(DL:5.0)		6.0
18	Total Alkalinity (mg/l)	96	96	86
19	Chloride (mg/l)	1507.0	768.0	1142.0
20	Total Hardness (mg/l)	558.0	340.0	446.0
21	Calcium Hardness (mg/l)	172.0	254.0	138.0
22	Calcium as Ca++ (mg/l)	68.8	101.6	55.2
23	Magnesium Hardness (mg/l)	386.0	86.0	308.0
24	Magnesium as Mg++ (mg/l)	93.8	20.9	74.8

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	Station Code	2443	2444	2442
25	TDS (mg/l)	3532	1891	2805
26	FDS (mg/l)	2530	1277	1967
27	TSS (mg/l)	BDL	11.0	BDL (DL:10.0)
28	Sulphate (mg/l)	13.8	12.3	13.4
29	Ortho phosphate (mg/l)	BDL(DL:0.05)		
30	Sodium (mg/l)	1063.0	506.6	844.7
31	Potassium (mg/l)	30.48	16.42	24.53
32	% Sodium	79.34	75.25	79.24
33	SAR	19.5	11.9	17.3
34	Copper (mg/l)	BDL(DL:0.02)		
35	Nickel (mg/l)	BDL(DL:0.005)		
36	Cadmium (mg/l)	BDL(DL:0.001)		
37	Lead (mg/l)	BDL(DL:0.005)		
38	Total Chromium (mg/l)	BDL(DL:0.02)		
39	Iron (mg/l)	0.06	0.22	1.69
40	Zinc (mg/l)	BDL(DL:0.05)		
41	Arsenic (mg/l)	BDL(DL:0.005)		
42	Mercury (mg/l)	BLQ(LOQ:0.004)		
43	Alpha HCH (µg/l)	BDL		
44	Gamma HCH (µg/l)	BDL		
45	Detla HCH (µg/l)	BDL		
46	Methyl Parathion (µg/l)	BDL		
47	Alachor (µg/l)	BDL		
48	Aldrin (µg/l)	BDL		
49	Malathion (µg/l)	BDL		
50	Chlorpyrifos (µg/l)	BDL		
51	Alpha Endosulfan (µg/l)	BDL		
52	Butachlor (µg/l)	BDL		

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	Station Code	2443	2444	2442
53	Beta Endosulfan µg/l	BDL		
54	Phorate (µg/l)	BDL		
55	op DDT (µg/l)	BDL		
56	op DDD (µg/l)	BDL		
57	pp DDD (µg/l)	BDL		
58	op DDE (µg/l)	BDL		
59	pp DDE (µg/l)	BDL		
60	Dieldrin (µg/l)	BDL		
61	Ethion (µg/l)	BDL		
62	Endosulfan sulfate (µg/l)	BDL		
63	pp DDT (µg/l)	BDL		

BDL - Below Detectable Limit; DL - Detection Limit