

Surface Water Quality Data in Yanam Region - 2023				
Sl.No.	Parameters	Gautami - Godavari River Near Balayogi Bridge	Gautami - Godavari River Near Adavipolam	Coringa River (Tidal Lock)
	Station Code	2442	2443	2444
1	Latitude	16.714594	16.725069	16.730167
2	Longitude	82.261536	82.205961	82.217389
3	Dt.Of Sampling	21.11.2023	21.11.2023	21.11.2023
4	Time	10.00 AM	11.00 AM	12.15 PM
5	Temperature °C	29.0	29.0	28.0
6	DO mg/l	7.9	7.1	3.8
7	pH	8.46	8.14	7.44
8	Conductivity µmho/cm	3040	11960	1667
9	Turbidity NTU	2.7	1.9	5.4
10	COD (mg/l)	8.0	24.0	8.0
11	BOD (mg/l)	1.8	2.3	4.7
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	P. Alkalinity (mg/l)	20	12	BDL (DL:5.0)
17	Total Alkalinity (mg/l)	137	106	137
18	Chloride mg/l	709.07	3467.65	317.62
19	Total Hardness mg/l	310.0	1212.0	262.0
20	Calcium Hardness mg/l	98.0	246.0	142.0
21	Calcium as Ca++ mg/l	39.2	98.4	56.8
22	Magnesium Hardness mg/l	212.0	966.0	120.0
23	Magnesium as Mg++ mg/l	51.50	234.70	29.16

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	Station Code	2442	2443	2444
24	TDS mg/l	1815	9455	1255
25	TSS (mg/l)	BDL (DL: 10.0)	21.0	11.0
26	Sulphate (mg/l)	290.4	568.6	382.0
27	Ortho phosphate (mg/l)	BDL	0.05	0.07
28	Sodium mg/l	370.8	2036.0	178.5
29	Potassium mg/l	15.86	71.1	5.9
30	Hexavalent Chromium mg/l	BDL		
31	% Sodium	70.77	77.09	58.87
32	SAR	9.1	25.3	4.8
33	Copper (mg/l)	BDL		
34	Nickel (mg/l)	0.006	0.010	0.008
35	Cadmium (mg/l)	BDL		
36	Lead (mg/l)	BDL		
37	Total Chromium (mg/l)	0.024	0.091	BDL
38	Iron (mg/l)	0.17	0.32	1.14
39	Zinc (mg/l)	BDL		
40	Arsenic (mg/l)	BDL		
41	Mercury (mg/l)	BDL		
42	Alpha BHC µg/l	BDL		
43	Beta BHC µg/l	BDL		
44	Gama BHC (Lindane) µg/l	BDL		
45	Alpha Endosulfan µg/l	BDL		
46	Beta Endosulfan µg/l	BDL		
47	Dieldrin µg/l	BDL		
48	OP DDT µg/l	BDL		
49	PP DDT µg/l	BDL		
50	Carboryl (Carbamate) µg/l	BDL		
51	2.4D µg/l	BDL		

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	Station Code	2442	2443	2444
52	Aldrin µg/l	BDL		
53	Malathian µg/l	BDL		
54	Methyl Parathian µg/l	BDL		
55	Anilophos µg/l	BDL		
56	Chloropyriphos µg/l	BDL		

BDL - Below Detectable Limit; DL - Detection Limit

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