

Surface Water Quality Data in Mahe region - 2023		
Sl.No.	Parameters	Mahe River
	Station Code	2445
1	Latitude	11.704677 N
2	Longitude	75.54327 E
3	Dt.of Sampling	01.08.2023
4	Time	10.15 A.M
5	Temperature °C	30.0
6	DO mg/l	6.2
7	pH	6.77
8	Conductivity µmho/cm	13300
9	Turbidity NTU	1.1
10	COD (mg/l)	32.0
11	BOD (mg/l)	BDL (DL : 1.0)
12	Nitrate -N (mg/l)	0.63
13	Nitrite -N (mg/l)	BDL (DL - 0.02)
14	Nitrate (mg/l)	2.8
15	Ammonia - N mg/l	BDL (DL - 0.4)
16	P. Alkalinity (mg/l)	BDL (DL - 5.0)
17	Carbonate as CO ₃ ²⁻ (mg/l)	BDL (DL - 3.0)
18	M. Alkalinity (mg/l)	42
19	Total Alkalinity (mg/l)	42
20	Bi-Carbonate as HCO ₃ ⁻ (mg/l)	51.24
21	Chloride mg/l	3750.89
22	Total Hardness mg/l	1195.9
23	Calcium Hardness mg/l	330.7
24	Calcium as Ca ⁺⁺ mg/l	132.28
25	Magnesium Hardness mg/l	865.2
26	Magnesium as Mg ⁺⁺ mg/l	210.24

Sl.No.	Parameters	Mahe River
	Station Code	2445
27	TDS mg/l	7250
28	TSS (mg/l)	BDL (DL - 10.0)
29	FDS/TFS mg/l	6120
30	Sulphate (mg/l)	380.43
31	Ortho phosphate(mg/l)	BDL (DL - 0.05)
32	Sodium mg/l	1736
33	Potassium mg/l	71.6
34	Hexavalent Chromium mg/l	BDL
35	% Sodium	74.40
36	SAR	21.7
37	Copper (mg/l)	BDL
38	Nickel (mg/l)	BDL
39	Cadmium (mg/l)	BDL
40	Lead (mg/l)	BDL
41	Total Chromium (mg/l)	BDL
42	Iron (mg/l)	BDL
43	Zinc (mg/l)	BDL
44	Arsenic (mg/l)	BDL
45	Mercury (mg/l)	BDL
46	Manganese (mg/l)	0.038
47	Alpha HCH µg/l	BDL
48	Gamma HCH µg/l	BDL
49	Detla HCH µg/l	BDL
50	Methyl Parathion µg/l	BDL
51	Alachor µg/l	BDL
52	Aldrin µg/l	BDL
53	Malathion µg/l	BDL
54	Chlorpyrifos µg/l	BDL
55	Alpha Endosulfan µg/l	BDL

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56	Butachlor µg/l	BDL
57	Beta Endosulfan µg/l	BDL
58	Phorate µg/l	BDL
59	op DDT µg/l	BDL
60	op DDD µg/l	BDL
61	pp DDD µg/l	BDL
62	op DDE µg/l	BDL
63	pp DDE µg/l	BDL
64	Dieldrin µg/l	BDL
65	Ethion µg/l	BDL
66	Endosulfan sulfate µg/l	BDL
67	pp DDT µg/l	BDL

BDL - Below Detectable Limit DL - Detection Limit

