

Surface Water quality in Mahe region - 2022

Sl.No.	Parameters	Mahe river
	Station Code	2445
1	Latlong Value	11.704677 N
		75.54327 E
2	Dt.Of Sampling	02.08.2022
3	Time	12:30 PM
4	Temperature °C	26.0
5	DO mg/l	6.9
6	pH	6.54
7	Conductivity µmho/cm	133
8	BOD mg/l	BDL (DL - 1.0)
9	Nitrite Nitrogen as NO ₂ - N mg/l	BDL (DL - 0.02)
10	Nitrate Nitrogen as NO ₃ - N mg/l	1.84
11	Nitrate as NO ₃ ⁻ mg/l	8.21
12	Turbidity NTU	52.7
13	Total Alkalinity mg/l	61
14	Bi- Carbonate as HCO ₃ ⁻ mg/l	74.88
15	P.Alkalinity mg/l	BDL (DL - 5.0)
16	Carbonate as CO ₃ ²⁻ mg/l	BDL (DL - 3.0)
17	Chloride mg/l	30.33
18	COD mg/l	BDL(DL - 5.0)
19	Total Hardness as CaCO ₃ mg/l	16.0
20	Calcium as CaCO ₃ mg/l	10.0
21	Calcium as Ca ⁺⁺ mg/l	4.0
22	Magnesium as CaCO ₃ mg/l	6.0
23	Magnesium as Mg ⁺⁺ mg/l	1.458
24	Sulphate mg/l	BDL (DL - 5.0)
25	Orthophosphate as PO ₄ ³⁻ -P mg/l	BDL (DL - 0.05)
26	TDS mg/l	82.0
27	TSS mg/l	33.0
28	FDS / TFS mg/l	52.0
29	Ammonical Nitrogen as NH ₃ -N mg/l	BDL (DL - 0.4)
30	Sodium mg/l	15.1

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31	Potassium mg/l	1.1
32	Hexavalent Chromium mg/l	BDL (DL - 0.05)
33	% Sodium	65.34
34	SAR	1.6
35	Arsenic mg/l	BDL (DL -0.00049)
36	Cadmium mg/l	BDL (DL - 0.00042)
37	Copper mg/l	BDL (DL - 0.00035)
38	Lead mg/l	BDL (DL - 0.00031)
39	Total Chromium mg/l	BDL (DL - 0.00056)
40	Mercury mg/l	BDL (DL - 0.00052)
41	Nickel mg/l	BDL (DL - 0.00054)
42	Zinc mg/l	BDL (DL - 0.00059)
43	Iron mg/l	0.57

BDL - Below Detectable Limit; DL - Detection Limit