

Surface Water quality in Mahe region - 2021

Sl.No.	Parameters	Mahe river
	Station Code	2445
1	Latlong Value	11°42’36.88’’
		75°32’11.22’’
2	Dt.Of Sampling	23.11.2021
3	Time	11.15AM
4	Temperature °C	29.0°C
5	DO mg/l	6.3
6	pH	6.88
7	Conductivity µmho/cm	8370
8	BOD mg/l	BDL(DL-1)
9	Nitrate - N mg/l	BDL(DL-0.3)
10	Nitrate mg/l	0.013
11	Nitrite - N mg/l	BDL(DL-0.02)
12	P & R Ratio	BDL(DL-0.5)
13	Turbidity NTU	BDL(DL-1)
14	Bi- Carbonate as CaCO ₃ mg/l	51
15	Bi- Carbonate as HCO ₃ ⁻ mg/l	62.17
16	Carbonate as CaCO ₃ mg/l	BDL
17	Chloride mg/l	2729.7
18	COD mg/l	BDL(DL-5.0)
19	Hardness as CaCO ₃ mg/l	864.0
20	Calcium as CaCO ₃ mg/l	568.0
21	Calcium as Ca ⁺⁺ mg/l	227.2
22	Magnesium as CaCO ₃ mg/l	296.0
23	Magnesium as Mg ⁺⁺ mg/l	71.9
24	Sulphate mg/l	340.34
25	Orthophosphate as PO ₄ ³⁻ -P mg/l	BDL(DL-0.05)
26	TDS mg/l	5374.0
27	TSS mg/l	BDL(DL-10)
28	FDS mg/l	4004.0
29	Ammonia - N mg/l	BDL(DL-0.4)
30	Sodium mg/l	1368.0
31	Potassium mg/l	52.10
32	Hexavalent Chromium mg/l	BDL
33	% Sodium	76.09
34	SAR	20.2
35	Arsenic mg/l	BDL (DL-0.005)
36	Cadmium mg/l	BDL (DL-0.001)
37	Copper mg/l	BDL (DL-0.01)
38	Lead mg/l	BDL (DL-0.005)
39	Total Chromium mg/l	BDL (DL-0.01)
40	Mercury mg/l	BDL (DL-0.0005)
41	Nickel mg/l	BDL (DL-0.01)
42	Zinc mg/l	0.014
43	Iron mg/l	0.57

BDL - Below Detectable Limit; DL - Detection Limit