

Gujarat Pollution Control Board

Paryavaran Bhavan

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379

CENTRAL LABORATORY
Physico Chemical Analysis Report

Date: - 03. 11. 2007

Nalsarovar Catchment Area.

SOURCE OF SAMPLES		From Ghodarnala Feedar Canal nr. Nalsarovar, Catchment area, Ta:Viramgam, Dist:-Ahmedabad.	From Dharji Road nallah, Nr. Village Dharji, Ta:Bavla, Dist:-Ahmedabad.	From Dhabthali canal, Dharji village road, Dist:-Ahmedabad
Date and Time of Collection		06.10.2007 at 10:00 hrs.	06.10.2007 at 10:15 hrs.	06.10.2007 at 10:30 hrs.
Lab Reg. Inward No.		3355/2007	3356/2007	3357/2007
Sr. No.	PARAMETERS			
1.	Temperature ($^{\circ}\text{C}$)	28	28	28
2.	Colour (Pt. Co. Scale)	10	05	10
3.	pH (pH unit)	8.29	7.35	7.52
4.	Alkalinity (as CaCO_3) mg/l	410	250	240
5.	Conductivity ($\mu\text{S}/\text{cm}$)	340	450	410
6.	Turbidity (NTU)	0.1	0.1	0.1
7.	Total Dissolved Solids (mg/l.)	182	224	194
8.	Suspended Solids (mg/l)	54	06	08
9.	Ammonical Nitrogen (mg/l)	0.56	0.24	1.12
10.	Nitrite ($\text{NO}_2 - \text{N}$) mg/l	0.014	0.017	0.014
11.	Nitrate ($\text{NO}_3 - \text{N}$) mg/l	0.18	0.16	0.16
12.	Chlorides (as Cl^-) (mg/l)	50	40	40
13.	Sulphate (as SO_4^{--}) (mg/l)	13	04	04
14.	Dissolved Oxygen (mg/l)	5.3	2.0	4.0
15.	BOD 5 days 20°C (mg/l)	2.5	3.6	1.0
16.	COD (mg/l)	14	28	07
17.	Total Hardness (as CaCO_3) mg/l	520	80	140
18.	Calcium (Ca^{++}) mg/l	20	28	28
19.	Magnesium (Mg^{++}) mg/l	114	02	17
20.	% Na	23	63	54
21.	SAR	01	03	03
22.	Fluoride (as F^-) (mg/l)	0.36	0.34	0.31
23.	Phenol (mg/l)	Nil	Nil	Nil
24.	Sulfide (S^{--}) mg/l	Nil	Nil	Nil
25.	Cyanide (CN^-) mg/l	Nil	Nil	Nil
26.	Iron (Fe) mg/l	2.76	1.15	3.45
27.	Zinc (Zn) mg/l	0.18	0.17	0.49
28.	Total Chromium (Cr) mg/l	Nil	Nil	Nil
29.	Hexavalent Chromium (Cr^{+6}) mg/l	Nil	Nil	Nil
30.	Copper (Cu) mg/l	0.06	0.02	0.09
31.	Nickle (Ni) mg/l	Nil	Nil	Nil
32.	Lead (Pb) mg/l	Nil	0.08	0.13
33.	Total Coliform (MPN/100 ML)	230	430	430
34.	Fecal Coliform (MPN/100 ML)	150	230	150

(Mrs. R. N. Patel)