

Ground Water Quality Data in Karaikal During Pre- Monsoon 2016						
SLNo.	Parameters	T.R.Pattinam	Vadamattam	Acceptable Limit	Permissible Limit	
1	Dt.of Sampling	19.09.2016	19.09.2016			
2	Time	6.00 am	6.15 am			
3	Temperature	27	26.5			
4	pH	7.67	7.77	6.5-8.5	NR	
5	Conductivity µmho/cm	1546	1330			
6	COD (mg/l)	Nil	Nil			
7	Nitrate - N (mg/l)	1.93	0.127			
8	Nitrate (mg/l)	8.55	0.56	45	NR	
9	Nitrite (mg/l)	0.319	0.1002			
10	Turbidity NTU	0.0	0.0	1	5	
11	BOD (mg/l)	BDL	BDL			
12	Bi- Carbonate as CaCO ₃ mg/l	398.4	386.4	200	600	
13	Chloride (mg/l)	343.3	249.8	250	1000	
14	Hardness as CaCO ₃ (mg/l)	52.4	37.4	200	600	
15	Calcium as CaCO ₃ (mg/l)	37.4	26.2			
16	Calcium (as Ca) mg/l	14.9	10.5	75	200	
17	Magnesium as CaCO ₃ (mg/l)	15	11.2			
18	Magnesium (as Mg) mg/l	3.6	2.7	30	100	
19	Sulphate (mg/l)	3.41	2.92	200	400	
20	TDS (mg/l)	906	750	500	2000	
21	FDS (mg/l)	570	288			
22	TSS (mg/l)	2	3			
23	Sodium (mg/l)	363	317			
24	Potassium (mg/l)	4.2	4.2			
25	Chromium as (Cr ⁶⁺) (mg/l)	BDL	BDL	0.05	NR	
26	% Sodium	93.17	94.15			
27	SAR	21.76	22.49			
28	Total Coliform (MPN/ 100 ml)	—	—	} *		
29	Fecal Coliform (MPN/ 100 ml)	—	—			
NR - No Relaxation, * - Shall not be detectable in any 100 ml samples						