

TABLE 3 – VARIOUS RESIDENTIAL LOCATIONS

Parameters	T1 (249 B)	T2 (233)	T3D (3045)	T3F (3046)	T4 (448)	T5 (505)	T6 (623)	Multistory Building-A (104)	Multistory Building-B (103)
pH	7.16	7.38	7.27	7.19	7.42	7.61	7.32	7.29	7.75
TDS (mg/l)	680	470	476	375	325	750	390	645	630
Hardness (as CaCO ₃) (mg/l)	150	120	140	150	170	160	180	180	160
Alkalinity (as CaCO ₃) (mg/l)	410	430	440	450	430	400	390	430	400
Nitrate (mg/l)	0.56	0.5	0.59	0.58	0.45	0.43	0.45	0.53	0.54
Sulfate (mg/l)	60	54	55	58	60	58	59	71	64
Fluoride (mg/l)	0.77	0.75	0.8	0.79	0.82	0.81	0.73	0.76	0.73
Chloride (mg/l)	220	245	165	183	190	55	68	168	170
Turbidity (NTU)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.002	0.002	0.002	0.003	0.002	0.002	0.003	0.001	0.001
Copper (mg/l)	0.002	0.0006	BDL	0.0012	0.0003	0.0002	0.001	0.0007	0.001
Cadmium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.0012	0.002	0.0018	0.0019	0.0008	0.0023	0.0009	0.0025	0.0027
Lead (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.270	0.208	0.234	0.184	0.297	0.44	0.158	0.316	0.290
Zinc (mg/l)	0.194	0.02	0.049	0.082	0.274	0.015	0.015	0.099	0.029
Fecal Coliform (cfu)	0	0	0	0	0	0	0	0	0
E. Coli (cfu)	0	0	0	0	0	0	0	0	0

Sampling locations: H1 to RA2 various hostels; VH- Visitors Hostel; HC- Health Centre; T1 to T6 Residences with corresponding House Numbers.

Multistory Building A &B- New faculty buildings with corresponding House Numbers.

BDL Below Detection Limit; NTU – Nephelometric Turbidity Unit; cfu - Colony forming Units in 100 ml of the sample

Detection Limits Limits Pb 0.0001 mg/l, Cu 0.0001 mg/l, Cr 0.0005 mg/l, Fe 0.0001 mg/l, Cd 0.0004 mg/l, As 0.0001 mg/l, Zn 0.0005 mg/l

