

TABLE 3 – VARIOUS RESIDENTIAL LOCATIONS

Parameters	T1 (249 B)	T2 (233)	T3 (3046)	T4 (448)	T5 (505)	T6 (623)	FA A Block (104)	FA B Block (103)
pH	7.3	7.3	7.5	7.4	7.5	7.3	7.5	7.5
TDS (mg/l)	684	475	387	377	480	603	582	563
Hardness (as CaCO ₃) (mg/l)	170	160	140	120	150	140	150	160
Alkalinity (as CaCO ₃) (mg/l)	400	420	400	380	390	310	363	350
Nitrate (mg/l)	0.4	0.43	0.45	0.41	0.48	0.46	0.51	0.53
Sulfate (mg/l)	51	63	60	51	58	53	54	49
Fluoride (mg/l)	0.71	0.82	0.65	0.62	0.71	0.75	0.74	0.75
Chloride (mg/l)	151	45	115	212	330	308	158	163
Turbidity (NTU)	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1
Arsenic (mg/l)	0.0016	0.001	0.002	0.0015	0.0015	0.0021	0.001	0.0025
Copper (mg/l)	0.0002	BDL	BDL	0.0005	BDL	0.0007	0.0004	0.0003
Cadmium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.0012	0.0001	BDL	0.0013	0.0016	BDL	0.0025	0.0012
Lead (mg/l)	BDL	0.0004	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.124	0.146	0.1	0.037	0.176	0.079	0.04	0.058
Zinc (mg/l)	0.0011	BDL	0.065	BDL	BDL	0.004	0.005	BDL
Fecal Coliform (cfu)	0	0	0	0	0	0	0	0
E. Coli (cfu)	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.

FA A block and B block- 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

