

Table. 5. Table showing the Hardness of Water Samples.

Sr.	Sample Name	Calcium ( $\mu\text{g/ml}$ )	Magnesium ( $\mu\text{g/ml}$ )	Hardness ( $\mu\text{g/ml}$ )
1.	PTW-01	60.69	22.56	244.45
2.	NGW-01	163.74	131.26	949.39
3.	YAMTW-01	1.05	3.42	16.71
4.	YAMTW-02	0.42	1.69	8.01
5.	PTTW-06	13.78	12.01	83.87
6.	PTTW-07	4.62	6.39	37.85
7.	ZPGTW-01	1.22	4.03	19.64
8.	NGTW-02	17.52	11.54	91.27
9.	SZTW-01	16.07	10.87	84.89
10.	SZTW-02	21.23	12.13	102.96
11.	TKSTW-01	21.96	11.17	100.83
12.	YMTW-01	28.18	12.20	120.61
13.	TGGTW-01	20.21	10.83	95.06
14.	TGGTW-02	16.23	9.88	81.21
15.	TGGTW-03	13.70	10.96	79.34
16.	TGGTW-04	20.20	10.63	94.21
17.	TYMTW-01	4.75	0.16	12.52
18.	SDMTW-01	22.07	13.20	109.47
19.	GMIW-01	56.09	23.50	236.83

Sr.	Sample Name	Calcium ( $\mu\text{g/ml}$ )	Magnesium ( $\mu\text{g/ml}$ )	Hardness ( $\mu\text{g/ml}$ )
20.	GMITW-01	24.45	10.91	105.98
21.	KTMTW-01	41.89	12.36	155.50
22.	ALYMTW-01	30.01	23.85	173.15
23.	SGITW-01	23.69	12.82	111.95
24.	KTTW-01	24.10	18.42	136.03
25.	KKITW-01	35.25	21.33	175.86
26.	KNLW-01	15.47	12.35	89.49
27.	TYZTW-01	30.16	23.93	173.85
28.	PTGTW-01	14.68	14.24	95.30
29.	MGGTW-01	13.25	12.94	86.37
30.	PTGTW-01	53.64	32.47	267.65
31.	KzU-1	4.67	4.2	28.96
32.	KzU-2	23.71	6.53	86.09
33.	YAMDam	5.3	3.94	29.46
34.	BBMDam-1	13.4	15.36	96.71
35.	BBMDam-2	12.65	13.47	87.06
36.	YeNganDam	4.22	5.64	33.76

Soft water -

1-60 ppm

Medium water -

61-120 ppm

Hard water -

121-180 ppm

Very hard water -

>180 ppm