

Water Quality Analysis Report

A summary report on water quality parameters

Summary Statistics

ph	Hardness	Solids	Chloramines	Sulfate	Conductivity	Organic_carbon	Trihalomethanes	Turbidity	Potability	
count	2785.0	3276.0	3276.0	3276.0	2495.0	3276.0	3276.0	3114.0	3276.0	
mean	7.08	196.37	22014.09	7.12	333.78	426.21	14.28	66.4	3.97	
std	1.59	32.88	8768.57	1.58	41.42	80.82	3.31	16.18	0.78	
min	0.0	47.43	320.94	0.35	129.0	181.48	2.2	0.74	1.45	
25%	6.09	176.85	15666.69	6.13	307.7	365.73	12.07	55.84	3.44	
50%	7.04	196.97	20927.83	7.13	333.07	421.88	14.22	66.62	3.96	
75%	8.06	216.67	27332.76	8.11	359.95	481.79	16.56	77.34	4.5	
max	14.0	323.12	61227.2	13.13	481.03	753.34	28.3	124.0	6.74	

Recommendations

1. Maintain pH between 6.5 and 8.5.
2. High hardness levels may require a water softener.
3. Use activated carbon filters for high chloramine levels.
4. Regularly test water for contaminants.
5. Use reverse osmosis for high sulfate levels.