



CON-SERV MFG - Concentrations of Dissolved Minerals vs Conductivity and Resistance

mg/L Sodium Chloride	Total Dissolved Solids mg/L CaCO ₃	Specific Conductance MicroSiemens/cm	Specific Resistance ohms/cm	Grains per Gallon
0.05	0.043	0.105	9,523,800	0.0025
0.1	0.085	0.212	4,716,980	0.0049
0.2	0.170	0.424	3,558,490	0.0099
0.3	0.255	0.637	1,569,850	0.0149
0.4	0.340	0.848	1,179,240	0.0198
0.5	0.425	1.06	943,396	0.0248
0.6	0.510	1.273	785,545	0.0298
0.7	0.595	1.985	673,400	0.0347
0.8	0.680	1.696	589,622	0.0397
0.9	0.765	1.908	524,109	0.0447
1.0	0.85	2.12	471,698	0.0497
2.0	1.70	6.37	156,985	0.0994
4.0	3.40	8.48	117,924	0.1988
5.0	4.25	10.6	94,339	0.2485
6.0	5.10	12.73	78,554	0.2982
7.0	5.95	14.85	67,340	0.3479
8.0	6.80	16.96	58,962	0.3976
9.0	7.65	19.08	52,410	0.4473
10.0	8.5	21.2	47,169	0.4970
20.0	17.0	42.4	23,584	0.9941
30.0	25.5	63.7	15,698	1.4912
40.0	34.0	84.8	11,792	1.9883
50.0	42.5	106.0	9,433	2.4853
60.0	51.0	127.3	7,855	2.9824
70.0	59.5	148.5	6,734	3.4795
80.0	68.0	169.6	5,896	3.9766
90.0	76.5	190.8	5,241	4.4736
100.0	85.0	212.0	4,716	4.9707
200.0	170.0	410.0	2,439	9.9415
300.0	255.0	610.0	1,639	14.9122
400.0	340.0	812.0	1,231	19.8830
500.0	425.0	1,008.0	992	24.8538
600.0	510.0	1,206.0	829	29.8245
700.0	595.0	1,410.0	709	34.7953
800.0	680.0	1,605.0	623	39.7660
900.0	765.0	1,806.0	553	44.7368
1,000.0	850.0	2,000.0	500	49.7076
2,000.0	1,700.0	3,830.0	261	99.4152
3,000.0	2,550.0	5,670.0	176	149.1228
4,000.0	3,400.0	7,500.0	133	198.8304
5,000.0	4,250.0	9,240.0	108	248.5380
6,000.0	5,100.0	10,950.0	91	298.2456
7,000.0	5,950.0	12,650.0	79	347.9532
8,000.0	6,800.0	14,340.0	69	397.6608
9,000.0	7,650.0	16,000.0	62	447.3684
10,000.0	8,500.0	17,600.0	56	497.0760

- Relative Concentration of Dissolved Minerals versus Conductivity and Resistance @ 25°C