CONDUCTIVITY TO TOTAL DISSOLVED SOLIDS (TDS) CONVERSION TABLE

Conductivity at 25 °C	TDS KCl		TDS NaCl		TDS 442	
	ppm Value	Factor	ppm Value	Factor	ppm Value	Factor
84 µS	40.38	0.5048	38.04	0.4755	50.50	0.6563
447 µS	225.6	0.5047	215.5	0.4822	300.0	0.6712
1413 µS	744.7	0.5270	702.1	0.4969	1000	0.7078
1500 µS	757.1	0.5047	737.1	0.4914	1050	0.7000
8974 µS	5101	0.5685	4487	0.5000	7608	0.8478
12,880 µS	7447	0.5782	7230	0.5613	11,367	0.8825
15,000 µS	8759	0.5839	8532	0.5688	13,455	0.8970
80 ms	52,168	0.6521	48,384	0.6048	79,688	0.9961

TDS 442 – This solution best represents natural freshwater. The 442 standard was nearly 50 years ago and it is still the world's most accepted standard.

TDS NACl – This sodium chloride solution best represents seawater, brackish water, or other high saline solution.

KCl TDS – This potassium chloride solution is a very stable salt and is an international calibration standard for conductivity measurements.