*Elements Detected In Seawater**

	ELEMENT	CHEMICAL FORM	CONCENTRATION (ppm)		ELEMENT	CHEMICAL FORM	CONCENTRATION (ppm)
Ag	silver	$AgCl_2^-$	0.0003	Mg	magnesium	Mg^{2+}	1350
Al	aluminum		0.01	Mn	manganese	Mn^{2+}	0.002
Ar	argon	Ar (gas)	0.6	Mo	molybdenum	MoO_4^{2-}	0.01
As	arsenic	AsO_4H^{2-}	0.003	N	nitrogen	organic N, NO_3^-, NH_4, $^+$ gas	0.5
Au	gold	$AuCl_4^-$	0.000011	Na	sodium	gas	10,500
B	boron	$B(OH)_3$	4.6	Nd	neodymium	Na^+	0.00001
Ba	barium	Ba^{++}	0.03	Ne	neon	Ne (gas)	0.00014
Be	beryllium		0.0000006	Ni	nickel	Ni^{2+}	0.0054
Bi	bismuth		0.000017	O	oxygen	OH_2,O_2,SO_4^{2-}	857,000
Br	bromine	Br^-	65	P	phosphorus	PO_4H^{2-}	0.07
C	carbon	CO_3H^-, organic C	28	Pa	protoactinium		2×10^{-9}
Ca	calcium	Ca^{2+}	400	Pb	lead	Pb^{2+}	0.00003
Cd	cadmium	Cd^{2+}	0.00011	Ra	radium		6×10^{-11}
Ce	cerium		0.0004	Rb	rubidium	Rb^+	0.12
Cl	chlorine	Cl^-	19,000	Rn	radon	Rn (gas)	6×10^{-16}
Co	cobalt	Co^{2+}	0.00027	S	sulfur	SO_4^{2-}	885
Cr	chromium		0.00005	Sb	antimony		0.00033
Cs	cesium	Cs^+	0.0005	Sc	scandium		< 0.000004
Cu	copper	Cu^{2+}	0.003	Se	selenium		0.00009
F	fluorine	F	1.3	Si	silicon	$Si(OH)_4$	3
Fe	iron	$Fe(OH)_3$	0.01	Sn	tin		0.003
Ga	gallium		0.00003	Sr	strontium	Sr^{2+}	8.1
Ge	germanium	$Ge(OH)_4$	0.00007	Ta	tantalum		< 0.0000025
H	hydrogen	H_2O	108,000	Th	thorium		0.00005
He	helium	He (gas)	0.0000069	Ti	titanium		0.001
Hf	hafnium		< 0.000008	Tl	thallium	Tl^+	< 0.00001
Hg	mercury	$HgCl_4^{2-}$	0.00003	U	uranium	$UO_2(CO_3)_3^{4-}$	0.003
I	iodine	I^-,IO_3^-?	0.06	V	vanadium	$VO_5H_3^{2-}$	0.002
In	indium		< 0.02	W	tungsten	WO_4^{2-}	0.0001
K	potassium	K^+	380	Xe	xenon	Xe (gas)	0.000052
Kr	krypton	Kr (gas)	0.0025	Y	yttrium		0.0003
La	lanthanum		0.000012	Zn	zinc	Zn^{2+}	0.01
Li	lithium	Li^+	0.18	Zr	zirconium		0.000022

*After R. A. Horne, 1969. *Marine Chemistry: The Structure of Water and the Chemistry of the Hydrosphere.* Wiley-Interscience, New York. p. 153.