

| Element | Ion | Atomic # | Concentration | Method/Source |
|------------|-----|----------|--------------------------|----------------|
| Hydrogen | H | 1 | 0.30 g/kg | DIN |
| Lithium | Li | 3 | 0.40 g/kg | AAS |
| Beryllium | Be | 4 | <0.01 ppm | AAS |
| Boron | B | 5 | <0.001 ppm | FSK |
| Carbon | C | 6 | <0.001 ppm | FSK |
| Nitrogen | N | 7 | 0.024 ppm | ICG |
| Oxygen | O | 8 | 1.20 g/kg | DIN |
| Fluoride | F | 9 | <0.1 g | Potentiometric |
| Sodium | Na | 11 | 382.61 g/kg | FSM |
| Magnesium | Mg | 12 | 0.16 g/kg | AAS |
| Aluminum | Al | 13 | 0.661 ppm | AAS |
| Silicon | Si | 14 | <0.1 g | AAS |
| Phosphorus | P | 15 | <0.10 ppm | ICG |
| Sulfur | S | 16 | 12.4 g/kg | TXRF |
| Chloride | Cl | 17 | 590.93 g/kg | Gravimetric |
| Potassium | K | 19 | 3.5 g/kg | FSM |
| Calcium | Ca | 20 | 4.05 g/kg | Titration |
| Scandium | Sc | 21 | <0.0001 ppm | FSK |
| Titanium | Ti | 22 | <0.001 ppm | FSK |
| Vanadium | V | 23 | 0.06 ppm | AAS |
| Chromium | Cr | 24 | 0.05 ppm | AAS |
| Manganese | Mn | 25 | 0.27 ppm | AAS |
| Iron | Fe | 26 | 38.9 ppm | AAS |
| Cobalt | Co | 27 | 0.60 ppm | AAS |
| Nickel | Ni | 28 | 0.13 ppm | AAS |
| Copper | Cu | 29 | 0.56 ppm | AAS |
| Zinc | Zn | 30 | 2.38 ppm | AAS |
| Gallium | Ga | 31 | <0.001 ppm | FSK |
| Germanium | Ge | 32 | <0.001 ppm | FSK |
| Arsenic | As | 33 | <0.01 ppm | AAS |
| Selenium | Se | 34 | 0.05 ppm | AAS |
| Bromine | Br | 35 | 2.1 ppm | TXRF |
| Rubidium | Rb | 37 | 0.04 ppm | AAS |
| Strontium | Sr | 38 | 0.014 g/kg | AAS |
| Ytterbium | Y | 39 | <0.001 ppm | FSK |
| Zirconium | Zr | 40 | <0.001 ppm | FSK |
| Niobium | Nb | 41 | <0.001 ppm | FSK |
| Molybdenum | Mo | 42 | 0.01 ppm | AAS |
| Technetium | Tc | 43 | Unstable artificial isot | N/A |
| Ruthenium | Ru | 44 | <0.001 ppm | FSK |
| Rhodium | Rh | 45 | <0.001 ppm | FSK |
| Palladium | Pd | 46 | <0.001 ppm | FSK |
| Silver | Ag | 47 | 0.031 ppm | AAS |
| Cadmium | Cd | 48 | <0.01 ppm | AAS |
| Indium | In | 49 | <0.001 ppm | FSK |
| Tin | Sn | 50 | <0.01 ppm | AAS |
| Antimony | Sb | 51 | <0.01 ppm | AAS |
| Tellurium | Te | 52 | <0.001 ppm | FSK |
| Iodine | I | 53 | <0.1 g | Potentiometric |
| Cesium | Cs | 55 | <0.001 ppm | FSK |
| Barium | Ba | 56 | 1.96 ppm | AAS/TXR |

| | | | | |
|--------------|----|----|--------------------------|------|
| Lanthanum | La | 57 | <0.001 ppm | FSK |
| Cerium | Ce | 58 | <0.001 ppm | FSK |
| Praseodymium | Pr | 59 | <0.001 ppm | FSK |
| Neodymium | Nd | 60 | <0.001 ppm | FSK |
| Promethium | Pm | 61 | Unstable artificial isot | N/A |
| Samarium | Sm | 62 | <0.001 ppm | FSK |
| Europium | Eu | 63 | <3.0 ppm | TXRF |
| Gadolinium | Gd | 64 | <0.001 ppm | FSK |
| Terbium | Tb | 65 | <0.001 ppm | FSK |
| Dysprosium | Dy | 66 | <4.0 ppm | TXRF |
| Holmium | Ho | 67 | <0.001 ppm | FSK |
| Erbium | Er | 68 | <0.001 ppm | FSK |
| Thulium | Tm | 69 | <0.001 ppm | FSK |
| Ytterbium | Yb | 70 | <0.001 ppm | FSK |
| Lutetium | Lu | 71 | <0.001 ppm | FSK |
| Hafnium | Hf | 72 | <0.001 ppm | FSK |
| Tantalum | Ta | 73 | 1.1 ppm | TXRF |
| Wolfram | W | 74 | <0.001 ppm | FSK |
| Rhenium | Re | 75 | <2.5 ppm | TXRF |
| Osmium | Os | 76 | <0.001 ppm | FSK |
| Iridium | Ir | 77 | <2.0 ppm | TXRF |
| Platinum | Pt | 78 | 0.47 ppm | TXRF |
| Gold | Au | 79 | <1.0 ppm | TXRF |
| Mercury | Hg | 80 | <0.03 ppm | AAS |
| Thallium | Tl | 81 | 0.06 ppm | AAS |
| Lead | Pb | 82 | 0.10 ppm | AAS |
| Bismuth | Bi | 83 | <0.10 ppm | AAS |
| Polonium | Po | 84 | <0.001 ppm | FSK |
| Astatine | At | 85 | <0.001 ppm | FSK |
| Francium | Fr | 87 | <1.0 ppm | TXRF |
| Radium | Ra | 88 | <0.001 ppm | FSK |
| Actinium | Ac | 89 | <0.001 ppm | FSK |
| Thorium | Th | 90 | <0.001 ppm | FSK |
| Protactinium | Pa | 91 | <0.001 ppm | FSK |
| Uranium | U | 92 | <0.001 ppm | FSK |
| Neptunium | Np | 93 | <0.001 ppm | FSK |
| Plutonium | Pu | 94 | <0.001 ppm | FSK |