**Section 742.APPENDIX A General**

**Section 742.TABLE G Concentrations of Inorganic Chemicals in Background Soils**

|  |  |  |
| --- | --- | --- |
| Chemical Name | Counties Within Metropolitan Statistical Areas (mg/kg) | Counties Outside Metropolitan Statistical Areas (mg/kg) |
| Aluminum | 9,500 | 9,200 |
| Antimony | 4.0 | 3.3 |
| Arsenic | 13.0 | 11.3 |
| Barium | 110` | 122 |
| Beryllium | 0.59 | 0.56 |
| Cadmium | 0.6 | 0.50 |
| Calcium | 9,300 | 5,525 |
| Chromium | 16.2 | 13.0 |
| Cobalt | 8.9 | 8.9 |
| Copper | 19.6 | 12.0 |
| Cyanide | 0.51 | 0.50 |
| Iron | 15,900 | 15,000 |
| Lead | 36.0 | 20.9 |
| Magnesium | 4,820 | 2,700 |
| Manganese | 636 | 630 |
| Mercury | 0.06 | 0.05 |
| Nickel | 18.0 | 13.0 |
| Potassium | 1,268 | 1,100 |
| Selenium | 0.48 | 0.37 |
| Silver | 0.55 | 0.50 |
| Sodium | 130 | 130.0 |
| Sulfate | 85.5 | 110 |
| Sulfide | 3.1 | 2.9 |
| Thallium | 0.32 | 0.42 |
| Vanadium | 25.2 | 25.0 |
| Zinc | 95.0 | 60.2 |

BOARD NOTE: Counties within Metropolitan Statistical Areas: Boone, Champaign, Clinton, Cook, DuPage, Grundy, Henry, Jersey, Kane, Kankakee, Kendall, Lake, Macon, Madison, McHenry, McLean, Menard, Monroe, Peoria, Rock Island, Sangamon, St. Clair, Tazewell, Will, Winnebago and Woodford.

(Source: Amended at 25 Ill. Reg. 651, effective January 6, 2001)