



Heavy Metal Soil Test Level Interpretation

7/21/2015

The information in this fact sheet reflects data obtained from the Environmental Protection Agency and Maryland Department of Environment. The levels listed may be difficult to achieve depending on the prior land use and or natural levels in the soil. If the purpose of testing soil heavy metals is to comply with any type of environmental permit, refer to the permit for acceptable levels.

Analyte	Soil residential cleanup standards	Soil nonresidential cleanup standards
Aluminum Al	7,800 mg/kg	100,000 mg/kg
Arsenic As	.43 mg/kg	1.9 mg/kg
Barium Ba	1,600 mg/kg	20,000 mg/kg
Cadmium Cd	3.9 mg/kg	51 mg/kg
Chromium Cr	23 mg/kg	310 mg/kg
Copper Cu	310 mg/kg	4,100 mg/kg
Iron Fe	5500 mg/kg	72,000 mg/kg
Lead Pb	400 mg/kg	1000 mg/kg
Manganese Mn	160 mg/kg	2000 mg/kg
Mercury Hg	2.3 mg/kg	310 mg/kg
Nickel Ni	160 mg/kg	2,000 mg/kg
Selenium Se	390 mg/kg	510 mg/kg
Zinc Zn	2,300 mg/kg	31,000 mg/kg

Ref. USEPA & MDE cleanup standards for groundwater and soil, June 2008