



Sorbed Metals Test Report

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Analysis	Value Found
Element	--mg/kg--
Zinc (Zn)	453.1 mg/kg
Copper (Cu)	63.8 mg/kg
Arsenic (As)	4.1 mg/kg
Selenium	3.7 mg/kg
Lead (Pb)	700.9 mg/kg
Nickel (Ni)	40.9 mg/kg
Chromium (Cr)	83.6 mg/kg
Cadmium (Cd)	41.9 mg/kg
Molybdenum (Mo)	0.7 mg/kg

USEPA heavy metals threshold for soil screening levels*

Element	--mg/kg--
Arsenic (As)	25
Cadmium (Cd)	39
Chromium (Cr)	100
Lead (Pb)	400
Nickel (Ni)	1600
Selenium (Se)	20
Zinc (Zn)	23,600
Barium (Ba)	2000
Silver (Ag)	100
Manganese (Mn)	7,000
Cobalt (Co)	10

* This information is just a general guidance. Contact your local Environmental Protection Authority for specific recommendations

Source: USEPA

References:

<http://www.epa.gov/superfund/health/conmedia/soil/index.htm>

http://www.epa.gov/Region5/cleanup/bautsch/pdfs/bgm_fs_201009.pdf

http://rais.ornl.gov/documents/eco-ssl_selenium.pdf

For State specific heavy metals regulations refer to your state's department of environmental quality

<http://www.epa.gov/osw/hazard/wastetypes/universal/statespf.htm#ma>

<http://rais.ornl.gov/documents/ecossl.pdf>

Other

<http://lqma.ifas.ufl.edu/Publication/Saba-06a.pdf>

http://www.berkeley.edu/news/media/releases/2005/02/01_plantremediation.shtml