



Sorbed Metals Test Report

Prepared For: Philip B. Stark University of California, Stat Dept -3860, Berkeley, CA 94720-3860 Phone: Email:	Alternate Address: 510-394-5077 pbstark@berkeley.edu	Sample Information: Sample ID: 23:26 Order Number: 319 Lab Number: M140902-104 Received: 9/2/2014 Reported: 9/12/2014
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Analysis	Value Found
Element	--mg/kg--
Zinc (Zn)	212.2 mg/kg
Copper (Cu)	25.6 mg/kg
Arsenic (As)	1.7 mg/kg
Selenium	2.1 mg/kg
Lead (Pb)	120.1 mg/kg
Nickel (Ni)	23.3 mg/kg
Chromium (Cr)	39.1 mg/kg
Cadmium (Cd)	21.3 mg/kg
Molybdenum (Mo)	0.4 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 spe 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