

Background Threshold Values (BTVs) for Inorganics in Montana Soils

Parameter*	ProUCL BTV (mg/kg)
Aluminum	25941
Antimony	0.4
Arsenic	22.5
Barium	429
Beryllium	1.1
Cadmium	0.7
Chromium	41.7
Chromium (III)	41.7
Chromium (VI)**	NC
Cobalt	10
Copper	165
Iron	24400
Lead	29.8
Manganese	880
Mercury***	NC
Nickel	31.4
Selenium	0.7
Silver	0.3
Thallium	0.41
Vanadium	52.6
Zinc	118

NOTES: * Calculations based on fine fraction (< 250 µm) results for background sample set (n=112)
 ** All Cr (VI) values in fine fraction samples were reported as <0.29 mg/kg
 *** Mercury was analyzed on bulk samples only; all values were <0.05 mg/kg with the exception of one detectable concentration reported at 0.068 mg/kg
 NC = not calculated due to nondetects

SOURCE: Background Concentrations of Inorganic Constituents in Montana Surface Soils, September 2013 - <http://deq.mt.gov/StateSuperfund/background.mcp>