

Surface Soil Sample Results Summary

Trace Metal/ Isotope	Minimum	Maximum	Lognormal Mean	Background Upper Limit¹	CDPHE Proposed Residential Soil Standard
Arsenic	1.8	330	17.9	13.5	0.39
Barium	48	2900	228	337	5,277
Cadmium	ND	51	0.604	1.28	76.1
Chromium	6	79	15.6	15.9	223 ²
Lead	6.4	14,000	153	81.3	400
Mercury	0.015	400	0.942	0.575	1.1 ³ / 23 ⁴
Molybdenum	0.89	980	13.7	5.43	390 ⁵
Selenium	ND	11	1.34	1.40	380
Silver	ND	58	0.670	0.0809	380
Vanadium	15	350	39.2	46.1	550 ⁵
Zinc	49	7,100	314	226	22,825
Ra-226	0.93	170	5.07	2.60	NA
Ra-228	0.68	7.3	1.82	2.28	NA
Thorium-228	0.94	109	2.03	2.56	NA
Thorium-230	0.75	272	3.98	1.71	NA
Thorium-232	0.76	107	1.85	2.32	NA
Uranium-234	ND	85	3.14	2.28	NA
Uranium-235	ND	4.9	0.162	0.0917	NA
Uranium-238	0.63	88	3.06	1.51	NA

Notes: Trace metal units are in milligrams per kilogram – Isotope units are in picocuries per gram; ND, Not detected; NA, Not applicable – radionuclide standards driven by site specific Federal and State regulations; ¹ 90-percent confidence level of lognormal distribution; ² Chromium VI standard; ³ Elemental mercury; ⁴ Mercury compounds; ⁵ EPA Region 9 proposed soil standard