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(Nakia Toy Jr.)

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RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 38 pages. Original publisher: Sacramento, Calif.: U. S. Dept. of the Interior, U. S. Geological Survey, 2004. OCLC Number: (OCoLC)55132958 Subject: Mercury mines and mining -- Environmental aspects -- California -- Cache Creek (Lake County and Yolo County). Excerpt: . . . Mercury-Speciation Studies 9 100 Extracting solution 90 D3 ospceg 80 cted 70 F4 12N HNO extra3 60 ry F3 1N KOH mercu 50 f F2 pH2 HCl HOAc o40 rcent 30 F1 Distilled water Pe 20 10 0 ent gigleq gigleq Life Gulch tailings tailings ctbkglc of sedim mrrkglcr mrrkglcr Harley Fountain Run Manzanita Creek Turkey QgcppL Jones Sulphur Figure 5. Speciation of solids from mine or geothermal sites. The solids were extracted with solutions (F1 - F5) of increasing strength. Extracting solution F5 is a strong acid. From Bloom, 2002. to recover mercury primarily from naturally occurring Of greatest significance was the verification that the mine-site-derived solids are approximately 20 times less organic matter. Most of the extracted mercury from the actual bioavailable for methylation than is dissolved mercury mine-pile materials was recovered only with the F5 fraction, (Hg). This observation is supported by the speciation which is a strong acid. In contrast, extraction of mercury from profiles, which showed that these solids have more than the sediments of the tributary sites tended to occur more 90 percent of the mercury present as cinnabar-like readily with the F3 fraction (fig. 6). The mercury from the compounds. The results of SSE on mine-site solids are shown geothermal sources ( Sulphur Creek or Jones Fountain of in figure 5. In an SSE experiment, five different solutions are Life) and Harley Gulch below the Turkey Run and Abbott allowed to...



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