


SCREENING SITE INSPECTION REPORT

BLACKWELL ZINC
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ethylhexyl)phthalate, and gamma-chlordane were detected in these samples at concentrations slightly greater than three times background. The analytical significance of the four organic compounds is questionable because acetone, di-N-butylphthalate, bis(2-ethylhexyl)phthalate, are common laboratory contaminants, and analysis for gamma-chlordane did not meet QA/QC criteria. Samples collected in the Waste Disposal Area and the Residue Burial Area had significantly elevated (greater than three times background) concentrations of antimony, arsenic, cadmium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, and zinc. **Additionally, the Waste Disposal Area had elevated concentrations of polynuclear aromatic hydrocarbons (see Table II).**

As listed in Table III, sediment samples collected from the site drainage channel had elevated concentrations of antimony, arsenic, cadmium, copper, mercury, selenium, silver, zinc, acetone, bis(2-ethylhexyl)phthalate, Aldrin, Arochlor 1016, Arochlor 1232, Arochlor 1242, and Arochlor 1248.

Table IV lists surficial soil analytical results. Samples collected from a field in the Draco Dust storage area and from the baseball park in the historical location of the Jig Pond had elevated concentrations of antimony, arsenic, cadmium, copper, lead, and zinc. Additionally, mercury, thallium, and three Arochlors were detected in soil collected from the baseball park in the historical location of the Jig Pond. Several aromatic compounds and pesticides were detected in soils from the Draco Dust storage area (see Table IV).

Analytical results of ground water samples collected from private irrigation wells from the initial sampling are provided in Table V and resampling results are provided in Table VI. It is not known if any of these wells are representative of background for the surficial aquifer. No comparison to background has been attempted, however, levels of contaminants identified in waste characterization samples were either not detected, or detected at low levels. Of particular note, is the fact zinc was not detected in nine of thirteen water samples. The maximum zinc concentration detected was 33.6 ppm in RS-DW-4.