

Table 910-1
Analytical Requirements and Results for Lined Walker 12-5 Pit

Contaminant of Concern	Allowable Concentrations	Results	Results	Results
Organic Compounds in Soil				
TPH (total volatile and extractable petroleum hydrocarbons)	500 mg/kg	U	U	U
Benzene	0.17 mg/kg	U	U	U
Toluene	85 mg/kg	U	U	U
Ethylbenzene	100 mg/kg	U	U	U
Xylenes (total)	175 mg/kg	U	U	U
Acenaphthene	1,000 mg/kg	U	U	U
Anthracene	1,000 mg/kg	U	U	U
Benzo(A)anthracene	0.22 mg/kg	U	U	U
Benzo(B)fluoranthene	0.22 mg/kg	U	U	U
Benzo(K)fluoranthene	2.2 mg/kg	U	U	U
Benzo(A)pyrene	0.022 mg/kg	U	U	U
Chrysene	22 mg/kg	U	U	U
Dibenzo(A,H)anthracene	0.022 mg/kg	U	U	U
Fluoranthene	1,000 mg/kg	U	U	U
Fluorene	1,000 mg/kg	U	U	U
Indeno(1,2,3,C,D)pyrene	0.22 mg/kg	U	U	U
Napthalene	23 mg/kg	U	U	U
Pyrene	1,000 mg/kg	U	U	U
Electrical Conductivity (EC)	<4 mmhos/cm or 2x background	8.4	6.9	8.4
Sodium Adsorption Ratio (SAR)	<125	28	19	15
pH	6-9	9.5	9.2	8.7
Arsenic	0.39 mg/kg	5.000	5.600	5.900
Barium	15,000 mg/kg	170	130	200
Boron (Hot Water Soluble)	2 mg/l	N/R	12	14
Cadmium	70 mg/kg	0.8	0.78	0.93
Chromium (III)	120,000 mg/kg	13.000	13	16
Chromium (VI)	23 mg/kg	U	U	U
Copper	3,100 mg/kg	16	13	16
Lead (inorganic)	400 mg/kg	21	21	24
Mercury	23 mg/kg	U	U	U
Nickel (soluble salts)	1,600 mg/kg	9.500	9.7	11
Selenium	390 mg/kg	U	U	U
Silver	390 mg/kg	U	U	U
Zinc	23,000 mg/kg	48	46	57
COGCC recommends that the latest version of EPA SW 846 analytical methods be used where possible and that analyses of samples be performed by laboratories that maintain state or national accreditation programs.				
U = Undetected				