

Table 910-1

Analytical Requirements and Results for the Bret Grandbouche 24-02H Cuttings Pit

Contaminant of Concern	Allowable Concentrations	Results
Organic Compounds in Soil		
TPH (total volatile and extractable petroleum hydrocarbons)	500 mg/kg	90
Benzene	0.17 mg/kg	U
Toluene	85 mg/kg	0.027
Ethylbenzene	100 mg/kg	0.04
Xylenes (total)	175 mg/kg	0.24
Acenaphthene	1,000 mg/kg	U
Anthracene	1,000 mg/kg	U
Benzo(A)anthracene	0.22 mg/kg	U
Benzo(B)fluoranthene	0.22 mg/kg	U
Benzo(K)fluoranthene	2.2 mg/kg	U
Benzo(A)pyrene	0.022 mg/kg	U
Chrysene	22 mg/kg	U
Dibenzo(A,H)anthracene	0.022 mg/kg	U
Fluoranthene	1,000 mg/kg	U
Fluorene	1,000 mg/kg	U
Indeno(1,2,3,C,D)pyrene	0.22 mg/kg	U
Napthalene	23 mg/kg	0.089
Pyrene	1,000 mg/kg	U
Inorganics in Soils		
Electrical Conductivity (EC)	<4 mmhos/cm or 2x background	2.2
Sodium Adsorption Ratio (SAR)	<125	29
pH	6-9	12
Metals in Soils		
Arsenic	0.39 mg/kg	3.5
Barium	15,000 mg/kg	550.0
Boron (Hot Water Soluble)	2 mg/l	U
Cadmium	70 mg/kg	U
Chromium (III)	120,000 mg/kg	9.5
Chromium (VI)	23 mg/kg	U
Copper	3,100 mg/kg	7.1
Lead (inorganic)	400 mg/kg	6.8
Mercury	23 mg/kg	U
Nickel (soluble salts)	1,600 mg/kg	6.9
Selenium	390 mg/kg	1.2
Silver	390 mg/kg	U
Zinc	23,000 mg/kg	30.0
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		