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Project 7375
Remediation 200366916

PION
NATURAL RES

Table 910-1							
CONCENTRATION LEVELS							
Contaminant of Concern	Concentrations	bottom of pit	top of pit	Native north	Native east	Native south	native west
Organic Compounds in Soil							
TPH (total volatile & extractable petroleum hydrocarbons)	500mg/kg	190 mg/kg					
Benzene	0.17 mg/kg	ND					
Toluene	85 mg/kg	ND					
Ethylbenzene	100mg/kg	ND					
Xylenes (total)	175 mg/kg	ND					
Acenaphthene	1000 mg/kg						
Anthracene	1000 mg/kg						
Benzo(A)anthracene	0.22 mg/kg						
Benzo(B)fluoranthene	0.22 mg/kg						
Benzo(K)fluoranthene	2.2 mg/kg						
Benzo(A)pyrene	0.022 mg/kg						
Chrysene	22 mg/kg						
Dibenzo(A,H)anthracene	0.022 mg/kg						
Fluoranthene	1000 mg/kg						
Fluorene	1000 mg/kg						
Indeno(1,2,3,C,D)pyrene	0.22 mg/kg						
Napthalene	23 mg/kg						
Pyrene	1000 mg/kg						
Organic Compounds in Ground Water							
Benzene	5 µg/l						
Toluene	560 to 1000 µg/l						
Ethylbenzene	700 µg/l						
Xylenes (total)	1400 to 10,000 µg/l						
Inorganics in Soils							
Electrical Conductivity (EC)	<4000 umhos/cm or 2x background	130 umhos/cm	7.7 umhos/cm				
Sodium Adsorption Ratio (SAR)	<12	7.6	ND				
pH	6.0-9.0	9.39	8.97				
Inorganics in Ground Water							
Total Dissolved Solids (TDS)	<1.25 x background						
Chlorides	<1.25 x background						
Sulfates	<1.25 x background						
Metals in Soils							
Arsenic	0.39 mg/kg	2.5 mg/kg	1.5 mg/kg	2.4 mg/kg	2.3 mg/kg	2.0 mg/kg	2.8 mg/kg
Barium Total	15,000 mg/kg	440 mg/kg					
Boron (Hot Water Soluble)	2 mg/l	ND					
Cadmium	70 mg/kg	ND					
Chromium (III)	120,000 mg/kg	27 mg/kg					
Chromium (VI)	23 mg/kg	ND					
Copper	3,100 mg/kg	32 mg/kg					
Lead (inorganic)	400 mg/kg	19 mg/kg					
Mercury	23 mg/kg	75 ug/kg					
Nickel (soluble salts)	1,600 mg/kg	22 mg/kg					
Selenium	390 mg/kg	0.25 mg/kg					
Silver	390 mg/kg	ND					
Zinc	23,000 mg/kg	100 mg/kg					
Liquid Hydrocarbons in Soils and Ground Water							
Liquid hydrocarbons including condensate and oil	Below detection level	ND					