

Table 910-1		Petroglyph Energy, Inc.	
Martinez 07-15 CONCENTRATION LEVELS			
Contaminant of Concern	Concentrations	Pit Sample	Native Range
Organic Compounds in Soil		mg/kg	mg/kg
TPH (total volatile & extractable petroleum hydrocarbons)	500 mg/kg	60.48	
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		umhos/cm or No units	umhos/cm or No units
Electrical Conductivity (EC)	<4000 umhos/cm or 2x background	120	
Sodium Adsorption Ratio (SAR)	<12	5.2	
pH	6.0-9.0	9.68	
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		mg/kg	mg/kg
Arsenic	0.39 mg/kg	2.2	1.2 - 3.9
Barium Total	15,000 mg/kg	130	
Boron (Hot Water Soluble)	2 mg/l	ND	
Cadmium	70 mg/kg	ND	
Chromium (III)	120,000 mg/kg	28	
Chromium (VI)	23 mg/kg	ND	
Copper	3,100 mg/kg	23	
Lead (inorganic)	400 mg/kg	10	
Mercury	23 mg/kg	0.023	
Nickel (soluble salts)	1,600 mg/kg	17	
Selenium	390 mg/kg	1.5	
Silver	390 mg/kg	ND	
Zinc	23,000 mg/kg	76	
Liquid Hydrocarbons in Soils and Ground Water			
Liquid hydrocarbons including condensate and oil	Below detection level	ND	