

Pond B Soil Analytical Results

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Project 8737

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Table 910-1

Pond B Soil

910-1)

Contaminant of Concern	Concentration	B Center	B Center	B Center	B Center	B West
Organic Compounds in Soil						
TPH (total volatile and extractable petroleum hydrocarbons)	500 mg/kg	12	50	20	16	15
Benzene	0.17 mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	85 mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	100 mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes (total)	175 mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Acenaphthene	1,000, mg/kg					
Anthracene	1,000 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	1,000 mg/kg					
Fluorene	1,000 mg/kg					
Indeno(1,2,3,C,D)pyrene	0.22 mg/kg					
Naphthalene	23 mg/kg					
Pyrene	1,000 mg/kg					
Organic Compounds in Ground Water						
Benzene	5 µg/l					
Toluene	560 to 1,000 µg/l					
Ethylbenzene	700 µg/l					
Xylenes (total)	1,400 - 10,000 µg/l					
Inorganics in Soils						
Electrical Conductivity (EC)	<4 mmhos/cm or 2x background	0.809	0.426	0.485	0.333	0.424
Sodium Adsorption Ratio (SAR)	<12	3.7	0.1	0.13	0.11	0.075
pH	6-9	5.3	6.5	6.6	6.1	6.5

Inorganics in Ground Water						
Total Dissolved Solids (TDS)	<1.25 x background					
Chloride	<1.25 x background					
Sulfate	<1.25 x background					
Metals in Soils						
Arsenic	0.39 mg/kg	2.6	3	3.5	2.8	2.9
Barium	15,000 mg/kg	181	179	252	156	147
Boron	2 mg/l	4	3	5	3	3
Cadmium	70 mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium (III)	120,000 mg/kg	9	9	11	8	9
Chromium (VI)	23 mg/kg	< 1.13	< 1.08	< 1.15	< 1.05	< 1.08
Copper	3,100 mg/kg	8	8	11	7	10
Lead (inorganic)	400 mg/kg	14	16	16	13	16
Mercury	23 mg/kg	0.0172	0.0173	0.0279	0.0164	0.0157
Nickel	1,600 mg/kg	8	7.4	8.9	6.8	8.5
Selenium	390 mg/kg	< 5	< 5	< 5	< 5	< 5
Silver	390 mg/kg	< 1	< 1	< 1	< 1	< 1
Zinc	23,000 mg/kg	44	46	51	38	46
Liquid Hydrocarbons in Soils and Ground Water						
Liquid hydrocarbons including condensate and oil	Below detection level	ND	ND	ND	ND	ND

ND - not detected through visual inspection.