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Project 8735  
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# Pond A Soil Analytical Results

**Table 910-1**

**Pond A Soil Quality Data (same units as in Table 910-1)**

<u>Contaminant of Concern</u>	<u>Concentration</u>	<u>A Center</u>	<u>A North</u>	<u>A East</u>	<u>A South</u>	<u>A West</u>
<b>Organic Compounds in Soil</b>						
TPH (total volatile and extractable petroleum hydrocarbons)	500 mg/kg	17	12	10	23	18
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					
<b>Organic Compounds in Ground Water</b>						
Benzene	5 µg/l					
Toluene	560 to 1,000 µg/l					
Ethylbenzene	700 µg/l					
Xylenes (total)	1,400 - 10,000 µg/l					
<b>Inorganics in Soils</b>						
Electrical Conductivity (EC)	<4 mmhos/cm or 2x background	1.08	0.284	0.441	0.291	0.323
Sodium Adsorption Ratio (SAR)	<12	4.7	0.13	3	0.13	0.47
pH	6-9	5.6	6.1	6.5	5.6	5.4

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	4	3.1	3.4	3.3	3.7
Barium	15,000 mg/kg	349	270	341	301	268
Boron	2 mg/l	1	3	2	3	3
Cadmium	70 mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium (III)	120,000 mg/kg	20	14	24	14	20
Chromium (VI)	23 mg/kg	< 1.45	< 1.1	< 1.23	< 1.2	< 1.18
Copper	3,100 mg/kg	19	15	20	14	22
Lead (inorganic)	400 mg/kg	22	17	17	22	21
Mercury	23 mg/kg	0.0494	0.019	0.0367	0.0239	0.0219
Nickel	1,600 mg/kg	13.4	11.2	15.5	11.6	12.9
Selenium	390 mg/kg	< 5	< 5	< 5	< 5	5
Silver	390 mg/kg	< 1	< 1	< 1	< 1	< 1
Zinc	23,000 mg/kg	65	81	75	86	82
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.