

<b>RR 1-16</b>		
<b>CLEANUP CONCENTRATIONS</b>		<b>SS1</b>
<b>Contaminant of Concern</b>	<b>Concentrations</b>	
Soil TPH (total volatile [C6-C10] and extractable [C10- C36] hydrocarbons)	500mg/kg	140
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits	0
<b>Soil Suitability for Reclamation</b>		
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	9.30
Sodium adsorption ratio (SAR) (by saturated paste method)	<6	5.2
pH (by saturated paste method)	6–8.3	7.7
boron (hot water soluble soil extract)	2mg/l	0.01
<b>Organic Compounds in Groundwater</b>		
benzene	5µg/l	
toluene	560 to 1,000µg/l	
ethylbenzene	700µg/l	
xylene (sum of o-, m- and p- isomers = total xylenes)	1,400 to 10,000µg/l	
naphthalene	140µg/l	
1,2,4-trimethylbenzene	67µg/l	
1,3,5-trimethylbenzene	67µg/l	
<b>Groundwater Inorganic Parameters</b>		
total dissolved solids (TDS)	<1.25 X local background	
chloride ion	250mg/l or <1.25 X local background	
sulfate ion	250mg/l or <1.25 X local background	

<b>Soils</b>	<b>Residential Soil Screening Level Concentrations (mg/kg)</b>	<b>Protection of Groundwater Soil Screening Level Concentrations (mg/kg)</b>	
<b>Organic Compounds in Soils</b>			
benzene	1.2	0.0026 (M)	0
toluene	490	0.69 (M)	0
ethylbenzene	5.8	0.78 (M)	0
xylene (sum of o-, m- and p- isomers = total xylenes)	58	9.9 (M)	0
1,2,4-trimethylbenzene	30	0.0081 (R)	0
1,3,5-trimethylbenzene	27	0.0087 (R)	0
acenaphthene	360	0.55 (R)	0
anthracene	1800	5.8 (R)	0.0025
benzo(a)anthracene	1.1	0.011 (R)	0
benzo(b)fluoranthene	1.1	0.3 (R)	0
benzo(k)fluoranthene	11	2.9 (R)	0
benzo(a)pyrene	0.11	0.24 (M)	0
chrysene	110	9 (R)	0.0024
dibenzo(a,h)anthracene	0.11	0.096 (R)	0
fluoranthene	240	8.9 (R)	0.0041
fluorene	240	0.54 (R)	0.0018
indeno(1,2,3-cd)pyrene	1.1	0.98 (R)	0
1-methylnaphthalene	18	0.006 (R)	0.0026
2-methylnaphthalene	24	0.019 (R)	0.0045
naphthalene	2	0.0038 (R)	0.0065
pyrene	180	1.3 (R)	0.003
<b>Metals in Soils</b>			
arsenic	0.68	0.29 (M)	4.80
barium	15000	82 (M)	190
cadmium	71	0.38 (M)	0.2

chromium (VI)	0.3	0.00067 (R)	12
copper	3100	46 (M)	9
lead	400	14 (M)	7.5
nickel	1500	26 (R)	10
selenium	390	0.26 (M)	0.35
silver	390	0.8 (R)	0.03
zinc	23000	370 (R)	29

The letter "( **R** )" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "( **M** )" following a protection of Groundwater soil screening level indicates the concentration is derived from th




ie drinking water MCL.