



South Dakota
 Department of Environment
 & Natural Resources
 Ground Water Quality

Lookup Table
For Surface Soil (0-3.2 feet)
 Target Risk 1.0 E-5
 Target Hazard Quotient 1.0 E+0

CONSTITUENTS OF CONCERN

Surface Soil Inhalation, Ingestion, Dermal Contact

On-site

CAS No.	Name	Residential	Commercial	Construction Worker*
		(mg/kg)	(mg/kg)	(mg/kg)
71-43-2	Benzene	17	28	19
108-88-3	Toluene	>750	>750	>750
100-41-4	Ethylbenzene	>630	>630	>630
1330-20-7	Xylene (mixed isomers)	>500	>500	>500
1634-04-4	Methyl t-Butyl ether	200	280	371
91-20-3	Naphthalene	>620	>620	>620

* = For construction workers depth of the surface soil is 0 to 9 ft

> = Indicates risk-based target concentration greater than constituents residual saturation value, concentrations exceeding these levels

are indicative of product saturated soil and soil removal is required

Note: The surface soil lookup table is developed only for the inhalation, ingestion, and dermal contact pathways. In addition to that, the department also requires petroleum saturated surface soil must be removed to address the surface run off and the visual/olfactory nuisance.