

**Table 6-2  
Calculation of Representative Concentrations**

Route of Exposure	Calculation of Representative Concentration
<b>Surficial Soil (0-3 ft bgs)</b>	
Soil concentration protective of leaching to groundwater or surface water body	Average of the surface soil concentrations collected within the area of release.
Direct contact with soil including ingestion of soil, dermal contact with soil, and the outdoor inhalation of vapors and particulates emitted by surficial soils	Average of the surface soil concentrations within exposure domain for non-residential receptor. <u>Maximum concentration</u> for residential receptor.
<b>Subsurface Soil (&gt; 3 ft bgs)</b>	
Indoor inhalation of vapor emissions	Average of the subsurface soil concentrations collected below or within 10 ft of the real or hypothetical footprint of the building (Excluding concentrations below water table and capillary fringe).
Soil concentration protective of leaching to groundwater	Average of the subsurface soil concentration within the area of release (Excluding concentrations below water table and capillary fringe).
<b>Groundwater</b>	
Indoor inhalation of vapor emissions	Average of the groundwater concentrations around the footprint of the real or hypothetical building
Dermal contact with groundwater	Average of the groundwater concentrations that a receptor may come in contact with
Groundwater domestic use pathway	
<ul style="list-style-type: none"> <li>• Concentration at POE</li> </ul>	Average of the groundwater concentrations*
<ul style="list-style-type: none"> <li>• Concentration at POD</li> </ul>	Average of the groundwater concentrations*

- If the measured concentrations are stable, the representative concentration is the arithmetic average of the most recent eight consecutive measurements, of which no two shall be less than three months apart. If the measured concentrations are decreasing, the representative concentration is the arithmetic average of the most recent six consecutive measurements, of which no two shall be less than three months apart.

**Table 6-3  
Vapor Concentrations Protective of Explosive Hazards**

<b>Compound</b>	<b>LEL (%)</b>	<b>UEL (%)</b>	<b>Action Levels (%)*</b>
Gasoline	1.2	7.6	0.12 (1,200 ppm)
JP-4	1.3	8.0	0.13 (1,300 ppm)
Diesel Fuel	1.3	7.5	0.13 (1,300 ppm)
Fuel Oils	0.6	7.5	0.06 (600 ppm)
Kerosene	0.7	5.0	0.07 (700 ppm)
Benzene	1.3	7.9	0.13 (1,300 ppm)
Ethylbenzene	1.0	6.7	0.10 (1,000 ppm)
Toluene	1.2	7.1	0.12 (1,200 ppm)
Xylenes	1.0	7.0	0.10 (1,000 ppm)

\* Action levels are equal to 10 % of the LEL.