According to US EPA Methodology: Human Health Risk Assessment (HHRA) is the systematic, scientific process used to estimate the mathematical (quantitative) and descriptive (qualitative) probabilities of adverse health effects--such as carcinogenic risks, neurotoxicity, or organ failure--occurring in humans exposed to chemical, physical, or biological agents in environmental media including air, water, soil, and food (U.S. EPA, 2019).Concurrently, geographical surveys map out contaminant hot-spots (such as soil contamination zones or groundwater pollution plumes) to pinpoint the exact location of the hazard (U.S. EPA, 2019).2.

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