













Definition of inputs in dialogue box:

<u>Required Confidence Level:</u> the required probability that the UCL for a segment actually exceeds the true mean for the segment.

<u>Diameter of Hot Spot</u>: the width of a contaminant plume or hot spot of concentrations that would be of concern if it existed at the perimeter boundary.

<u>Percent or Number of Segments to need Field Duplicates:</u> the VSP user can input into the dialogue box the percent or number of segments that should have two MI soil samples rather than one.

<u>Convert the Boundary to a Convex Hull</u>: If the boundary of the Sample Area is very irregular (has various indentations) the VSP user may specify that VSP should change the enclosing boundary to a convex hull. This smoothes out the boundary.



The number and length of segments are determined by VSP as follows:

• VSP computes the optimum segment length (OSL):

OSL = 5 x (specified width of plume of concern)

where 5 is the number of Primary Sample Locations equally spaced along the length of each segment.

• VSP computes the number of segments along the boundary by dividing the total length of the boundary by the OSL and rounding up to the nearest whole number

• Length of Segment is computed by dividing the length of provisional boundary by the number of segments.









