Uncertainty Analysis for EEM 5: Ex-Situ Biodegradation
Emission Rate for Benzene from Gasoline-Contaminated Soil

Variable parameters are in bold:
Assumptions: continuous slurry process is used.

C =	10	ppm	soil concentration of benzene
Mr=	600	kg/hr	mass feed rate for soil treatment
V=	0.62	%/100	percentage of contaminant volatilized

Equations used:
ER (g/hr) = (C/1000)(Mr)(V)

Point Estimate Using the Above Parameters/Equation:

ER=	3.720	g/hr	total emission rate