

**Uncertainty Analysis for EEM 6: Incineration**  
**Emission Rate for Benzene from Gasoline-Contaminated Soil**

Variable parameters are in bold:

Assumptions: continuous slurry process is used.

<b>C =</b>	10.00 mg/kg	soil concentration of benzene
<b>CE=</b>	99.5 %	control (destruction & removal) efficiency
<b>Mw=</b>	4500 kg/hr	mass feed rate for soil treatment

Equations used:

$$ER \text{ (g/hr)} = (1 - (DRE/100))(C/1000)(mw)$$

Point Estimate Using the Above Parameters/Equation:

<b>ER=</b>	0.225 g/hr	total emission rate
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