SOIL TECHNOLOGY:	Bioventing			
RACER PARAMETERS	Scenario A	Scenario B	Scenario C	Scenario D
	Small Site		Large Site	
	Easy	Difficult	Easy	Difficult
Type of Installation	Vertical Well	Vertical Well	Vertical Well	Vertical Well
Soil Type	Sand-Silt/Sand-Clay Mixture	Silt/Silty-Clay mixture	Sand-Silt/Sand-Clay Mixture	Silt/Silty-Clay mixture
Safety Level	D	D	D	D
Surface Area of Contamination (SF)	450	450	9,000	9,000
Depth to Base of Contamination (ft)	5	5	5	5
Contaminated Volume (Cubic Feet)	2,250	2,250	45,000	45,000
Contaminated Volume (Cubic Yards)	83	83	1,667	1,667
Drilling				
Avg. Well Depth (ft)	5	5	5	5
Formation type	Unconsolidated	Unconsolidated	Unconsolidated	Unconsolidated
Safety Level	D	D	D	D
Well Diameter (in)	2	2	2	2
Drilling Method	Hollow Stem	Hollow Stem	Hollow Stem	Hollow Stem
Well Construction Material	PVC Schedule 40	PVC Schedule 40	PVC Schedule 40	PVC Schedule 40
Avg. # of soil samples per well	1	1	1	1
Contaminant of interest	SVOCs	SVOCs	SVOCs	SVOCs
Extraction Well Spacing (ft)	35	22	35	22
# of Vapor Extraction Wells	1	2	10	24
Avg. Vapor Flow Rate per well (CFM)	3.0	1.5	3.0	1.5
Total Vapor Flow Rate (CFM)	3.0	3.0	30.0	36.0
Bioventing Marked-up Costs	$16,547	$18,919	$41,044	$76,171
Additional Costs:				
O&M	$40,237	$40,237	$53,954	$53,954
Years of O&M	2.0	2.0	5.0	5.0
Remedial Design	$2,317	$2,649	$5,336	$9,141
TOTAL MARKED-UP COSTS	$59,101	$61,805	$100,334	$139,266
COST PER CUBIC FOOT	**$26**	**$27**	**$2**	**$3**
COST PER CUBIC METER	**$928**	**$970**	**$79**	**$109**
COST PER CUBIC YARD	**$709**	**$742**	**$60**	**$84**