

SOIL TECHNOLOGY:**Chemical Extraction**

RACER PARAMETERS	Scenario A	Scenario B	Scenario C	Scenario D
	Small Site		Large Site	
Remedial Action:	Easy	Difficult	Easy	Difficult
Media/Waste Type	Sludge	Soil	Sludge	Soil
Contaminant	SVOC	SVOC	SVOC	SVOC
Approach	Ex Situ	Ex Situ	Ex Situ	Ex Situ
System Definition:				
Type of Material	Sludge	Soil	Sludge	Soil
Quantity of Material (CY)	1,000	1,000	50,000	50,000
Process System (CY/MO)	1,500	1,500	6,000	6,000
Safety Level	D	D	D	D
Treatment:				
Pretreatment Required	Yes	Yes	Yes	Yes
Downtime Percent	10	10	10	10
Treatment Difficulty Percent	20	20	20	20
Treatment Duration (MO)	1	1	12	23
O&M:				
Years of O&M	0	0	0	0
Chemical Extraction Marked-Up Costs	\$1,093,102	\$1,186,027	\$12,363,101	\$12,480,085
Additional Costs:				
O&M	\$0	\$0	\$0	\$0
Remedial Design (10% or 10K)	\$109,310	\$118,603	\$1,236,310	\$1,248,009
TOTAL MARKED-UP COSTS	\$1,202,412	\$1,304,630	\$13,599,411	\$13,728,094
COST PER CUBIC FOOT	\$45	\$49	\$10	\$10
COST PER CUBIC METER	\$1,582	\$1,717	\$358	\$361