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*Improving The Quality of Our Natural Resources  
Providing Tomorrow's Solutions for Today's Hazardous Waste*

# **VTX Ex-situ Soil Treatment Case Study**

# Ex situ Soil Treatment

- A wide variety of contaminants was dumped at an illegal disposal site including TCE, PCE, TCA and DCE among many others
- Levels of contamination was very high in places reaching concentrations in excess of 5000 ppm





XTEC

TURBO

NP5501





# Ex situ Soil Treatment

## Treatment Results

Soil from area of high solvent concentrations.

Contaminant	Pre-Treatment ppm	1 <sup>st</sup> Post-Treatment ppm (Average)	2nd Post-Treatment ppm (Average)	% Reduction
1,1,1 Trichloroethane	4310.0	83.13	1.24	>99.9%
1,1 Dichloroethane	33.2	0.83	Non Detect	100%
1,2 Dichlorobenzene	31.2	1.12	Non Detect	100%
Tetrachloroethane	132.0	1.87	Non Detect	100%
Trichloroethene	835.0	26.90	0.40	>99%

# Ex situ Soil Treatment

## Treatment Results

Soil from area of moderate solvent concentrations.

Contaminant	Pre-Treatment ppm	Post-Treatment ppm (Average)	% Reduction
1,1,1 Trichloroethane	38.40	0.979	97.5%
1,1 Dichloroethane	1.08	Non Detect	100%
1,2 Dichloroethane	0.183	Non Detect	100%
1,2,4 Trimethylbenzene	0.208	Non Detect	100%
1,2 Dichlorobenzene	0.103	Non Detect	100%
1,3,5 Trimethylbenzene	0.0958	Non Detect	100%