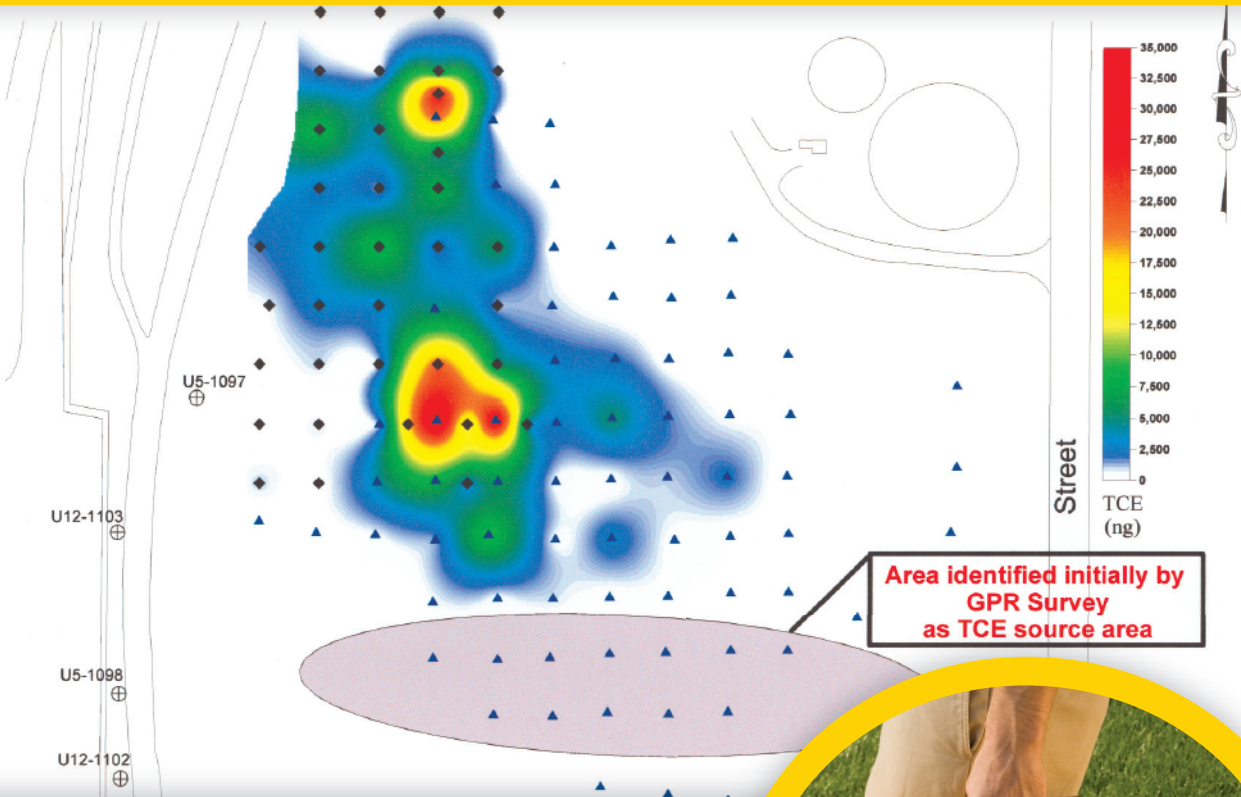




The Leaders in Soil Gas Surveys and Vapor Intrusion Monitoring

BEACON ENVIRONMENTAL SERVICES, INC.

Source Area Identification



Area identified initially by GPR Survey as TCE source area

Chlorinated Solvents Source Area Identification

OBJECTIVE

A Beacon Environmental Passive Soil-Gas (PSG) Survey was performed on a former landfill at a western United States military base to identify source areas of Trichloroethene (TCE) that had been identified in down gradient monitoring wells. Prior to the PSG survey, a ground penetrating radar (GPR) survey was performed to identify subsurface anomalies. The initial PSG survey was performed across a portion of the landfill that was of greatest concern based on historical records and the GPR survey.

FINDINGS

The initial PSG survey identified TCE source areas that did not agree with the GPR survey findings. Based on these results, a subsequent PSG survey was performed to further characterize the site and better define the source areas identified in the initial survey. Analytical results were provided to the client within four (4) days of receipt of samples at the laboratory for both surveys. The results clearly showed the locations where disposal of TCE had occurred. The client was able to significantly reduce the characterization budget by reducing the number of soil and groundwater samples that were required.



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