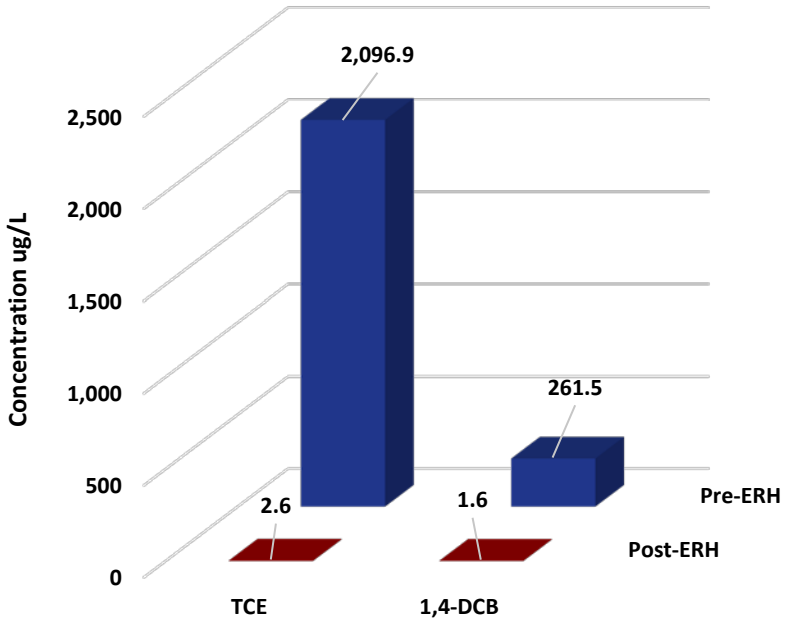
In Situ Thermal Remediation under Active Railroad Tracks

Brandywine, Maryland

TRS Group, Inc.
Accelerating Value

ERH electrode field construction



Average Pre and Post ERH Sample Results

Remediation Goals

- Drinking water MCLs for TCE (5 µg/L) and 1,4-DCB (75µg/L)

Site Characteristics

- Treatment volume: 49,000 yd^3
- Vadose & saturated zone: silt, sand and clay in a semi-confined aquifer
- Baseline conditions: residual DNAPL in clay back diffusing into aquifer

Operations

- Industry first: in situ thermal remediation under active railroad tracks
- Total run time: 206 days
- 277 kWh/yd^3 applied

Results

- 99.9% reduction for TCE
- 99.5% reduction for 1,4-DCB
- 1,700 pounds of contaminant mass removed

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For more information and other project examples, please visit:
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