

# Contaminants Treated

Use this guide by locating the contaminant of concern sorted by contaminant type. The technologies recommended for treatment of each contaminant are located to the right.

- ✓ Recommended, lab or field data available demonstrating success      ■ Recommended with site specific lab study

|                                    | ISCO<br>Klozur®<br>Persulfate | ISCR<br>EHC®<br>Reagent,<br>Daramend®<br>Reagent | ENHANCED<br>ANAEROBIC<br>BIOREMEDIATION<br>EHC® Liquid,<br>ELST™<br>Microemulsion | METALS<br>TREATMENT<br>MetaFix®<br>Reagent,<br>EHC® Metals,<br>Daramend® Metals | AEROBIC<br>BIOREMEDIATION<br>Terramend®<br>Reagent | PermeOx®<br>Ultra |
|------------------------------------|-------------------------------|--|---|---|--|-------------------|
| <b>CHLORINATED SOLVENTS</b>        |                               |  |   |   |  |                   |
| Tetrachloroethene (PCE)            | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Trichloroethene (TCE)              | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Dichloroethene (cis and trans DCE) | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Trichloroethane (TCA)              | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Dichloroethane (DCA)               | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Carbon tetrachloride               | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Chloroethane                       | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Chloroform                         | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Chloromethane                      | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Chlorotoluene                      | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Methylene chloride                 | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Vinyl chloride                     | ✓                             | ✓  | ✓   | ✓   |  | ✓                 |
| Dichloropropane                    | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Dichloropropene                    | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Hexachlorobutadiene                | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Tetrachloroethane                  | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Trichloropropane                   | ✓                             | ✓  | ■   | ✓   |  |                   |
| <b>BTEX</b>                        |                               |  |   |   |  |                   |
| Benzene                            | ✓                             |  |   |   | ✓  | ✓                 |
| Toluene                            | ✓                             |  |   |   | ✓  | ✓                 |
| Ethylbenzene                       | ✓                             |  |   |   | ✓  | ✓                 |
| Xylenes                            | ✓                             |  |   |   | ✓  | ✓                 |

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|---------------------------------------|-------------------------------|--|---|---|--|-------------------|
| <b>PAHs</b>                           |                               |  |   |   |  |                   |
| Acenaphthene                          | ✓                             |  |   |   | ✓  |                   |
| Acenaphthylene                        | ✓                             |  |   |   | ✓  |                   |
| Anthracene                            | ✓                             |  |   |   | ✓  |                   |
| Benzo(a)anthracene                    | ✓                             |  |   |   | ✓  |                   |
| Benzo(a)pyrene                        | ✓                             |  |   |   | ✓  |                   |
| Benzo(b)fluoranthene                  | ✓                             |  |   |   | ✓  |                   |
| Benzo(ghi)perylene                    | ✓                             |  |   |   | ✓  |                   |
| Chrysene                              | ✓                             |  |   |   | ✓  |                   |
| Dibenzo(ah)anthracene                 | ✓                             |  |   |   | ✓  |                   |
| Fluorene                              | ✓                             |  |   |   | ✓  |                   |
| Naphthalene                           | ✓                             |  |   |   | ✓  | ✓                 |
| Phenathrene                           | ✓                             |  |   |   | ✓  |                   |
| Pyrene                                | ✓                             |  |   |   | ✓  |                   |
| <b>OXYGENATES</b>                     |                               |  |   |   |  |                   |
| Methyl tert-butyl ether (MTBE)        | ✓                             |  |   |   |  | ✓                 |
| Tert-butyl alcohol (TBA)              | ✓                             |  |   |   |  | ✓                 |
| <b>PETROLEUM HYDROCARBONS</b>         |                               |  |   |   |  |                   |
| GRO (gasoline range organics)         | ✓                             |  |   |   | ✓  | ✓                 |
| DRO (diesel range organics)           | ✓                             |  |   |   | ✓  | ✓                 |
| ORO (oil range organics >C20 alkanes) | ✓                             |  |   |   | ✓  |                   |
| Creosote (coal tar)                   | ✓                             |  |   |   | ✓  |                   |
| <b>PHENOLS</b>                        |                               |  |   |   |  |                   |
| Phenol                                | ✓                             |  |   |   | ✓  |                   |
| 4-chloro-3-methyl phenol              | ✓                             |  |   |   | ✓  |                   |
| 2-chlorophenol                        | ✓                             |  | ▪   |   | ✓  |                   |
| 2,4-dichlorophenol                    | ✓                             |  | ▪   |   | ✓  |                   |
| 2,4-dinitrophenol                     | ✓                             |  | ▪   |   | ✓  |                   |
| 4-nitrophenol                         | ✓                             |  | ▪   |   | ✓  |                   |
| Pentachlorophenol                     | ✓                             | ✓  | ▪   | ✓   | ✓  |                   |

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|------------------------------------|-------------------------------|--|---|---|--|-------------------|
| <b>CHLOROBENZENES</b>              |                               |  |   |   |  |                   |
| Chlorobenzene                      | ✓                             | ✓  | ■   | ✓   | ✓  | ✓                 |
| Dichlorobenzene                    | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Trichlorobenzene                   | ✓                             | ✓  | ✓   | ✓   |  |                   |
| <b>FLUORINATED COMPOUNDS</b>       |                               |  |   |   |  |                   |
| Dichlorodifluoromethane            | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Trichlorofluouromethane            | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Trichlorotrifluoroethane           | ✓                             | ✓  | ✓   | ✓   |  |                   |
| PFCA/PFOA                          | ✓                             |  |   |   |  |                   |
| <b>PESTICIDES &amp; HERBICIDES</b> |                               |  |   |   |  |                   |
| Chlordane                          | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Heptachlor Epoxide                 | ✓                             | ✓  |   | ✓   |  |                   |
| Lindane (hexachlorocyclohexane)    | ✓                             | ✓  | ✓   | ✓   | ✓  |                   |
| DDT, DDD, DDE                      | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Toxaphene                          | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Dieldrin                           | ✓                             | ✓  | ✓   | ✓   |  |                   |
| 2,4-D                              | ✓                             | ✓  | ✓   | ✓   | ✓  |                   |
| 2,4,5-T                            | ✓                             | ✓  | ✓   | ✓   | ✓  |                   |
| Endrin                             | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Kepone                             | ■                             | ✓  |   | ✓   |  |                   |
| <b>ENERGETICS</b>                  |                               |  |   |   |  |                   |
| TNT                                | ✓                             | ✓  | ✓   | ✓   |  |                   |
| DNT                                | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Nitroglycerine                     | ✓                             | ✓  | ✓   | ✓   |  |                   |
| HMX                                | ✓                             | ✓  | ✓   | ✓   |  |                   |
| RDX                                | ✓                             | ✓  | ✓   | ✓   |  |                   |
| Perchlorate                        |                               | ✓  | ✓   | ✓   |  |                   |

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|-------------------------------------|-------------------------------|--|---|---|--|-------------------|
| <b>MISCELLANEOUS</b>                |                               |  |   |   |  |                   |
| Acetone                             | ✓                             |  |   |   | ■  | ■                 |
| 4-methyl-2-pentanone                | ✓                             |  |   |   |  |                   |
| 1,4-dioxane                         | ✓                             |  |   |   |  |                   |
| Polychlorinated biphenyls (PCBs)    | ✓                             | ■  |   | ■   |  |                   |
| Nitrate                             |                               | ✓  | ✓   | ✓   | ✓  |                   |
| Bis(2-ethylhexyl)phthalate          | ✓                             |  |   |   | ✓  |                   |
| Nitrobenzene                        | ✓                             |  |   |   |  |                   |
| Propylbenzene                       | ✓                             |  |   |   | ■  | ■                 |
| 4-iso-propyltoluene                 | ✓                             |  |   |   |  |                   |
| Styrene                             | ✓                             |  |   |   |  |                   |
| Trimethylbenzene                    | ✓                             |  |   |   | ■  | ■                 |
| n-butylbenzene                      | ✓                             |  |   |   |  |                   |
| Carbon Disulfide (CS <sub>2</sub> ) | ✓                             |  |   |   |  |                   |
| Dioxins / Furans                    | ■                             |  |   |   |  |                   |
| <b>HEAVY METALS</b>                 |                               |  |   |   |  |                   |
| Antimony                            |                               |  |   | ✓   |  |                   |
| Arsenic                             | ✓                             |  |   | ✓   |  |                   |
| Barium                              |                               |  |   | ✓   |  |                   |
| Cadmium                             |                               |  |   | ✓   |  |                   |
| Chromium                            |                               | ✓  | ✓   | ✓   |  |                   |
| Cobalt                              |                               |  |   | ✓   |  |                   |
| Copper                              |                               |  |   | ✓   |  |                   |
| Lead                                |                               |  |   | ✓   |  |                   |
| Mercury                             |                               |  |   | ✓   |  |                   |
| Nickel                              |                               |  |   | ✓   |  |                   |
| Selenium                            |                               |  |   | ✓   |  |                   |
| Vanadium                            |                               |  |   | ✓   |  |                   |
| Zinc                                |                               |  |   | ✓   |  |                   |



[peroxychem.com/remediation](http://peroxychem.com/remediation)

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