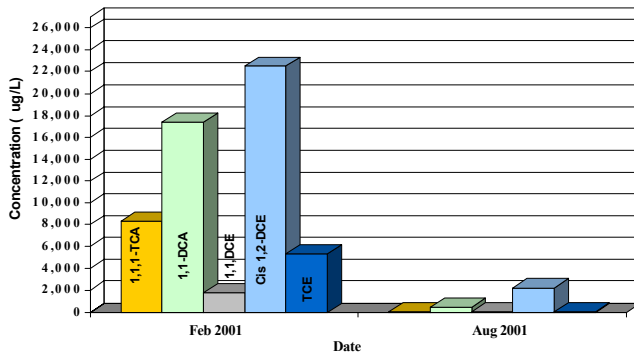




Chlorinated Solvents Case Study

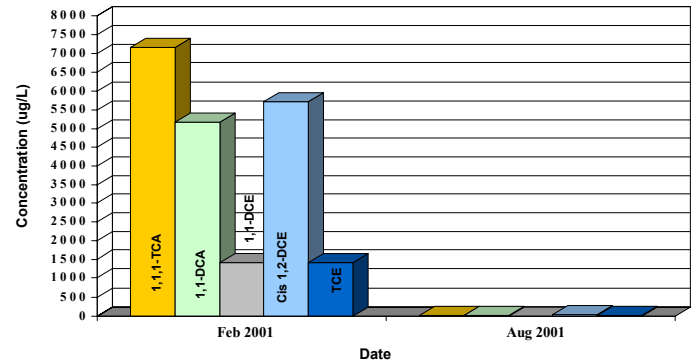
RESULTS AFTER 6 MONTHS OF OPERATION

MW-1 inside treatment zone



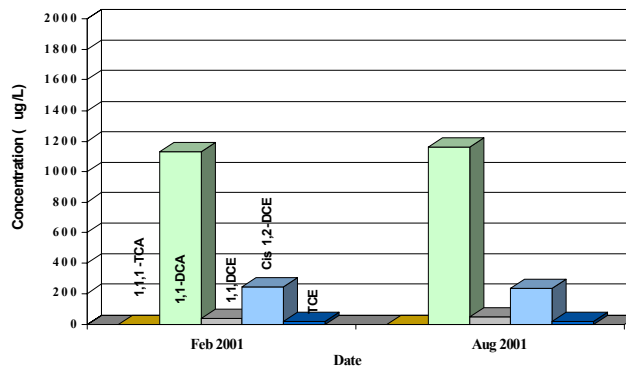
Global BioSciences, Inc.

MW-2 inside treatment zone



Global BioSciences, Inc.

MW-7 outside treatment zone



Global BioSciences, Inc.

SUPERFUND SITE / IOWA

Between February and August 2001, Global BioSciences, Inc. (GBI) implemented *Butane Biostimulation Technologies*TM at a Superfund Site in Iowa in a pilot study approved by the Iowa DNR and USEPA to remediate a chlorinated solvent plume. The site is the location of a former industrial facility. The site geology is composed of sand, silt and some clay, with an aquifer, the local source of drinking water, 100 feet deep. While there was significant reduction in VOCs in wells within the butane treatment zone, the wells outside the treatment zone served as controls.

Inside treatment zone

| Date | MW-1 | | MW-2 | |
|-------------|--------|-------|-------|------|
| | Feb. | Aug. | Feb. | Aug. |
| 1,1,1-TCA | 8320 | 49 | 7,160 | 6.0 |
| 1,1-DCA | 17,400 | 460 | 5,170 | 16.6 |
| 1,1-DCE | 1,800 | 49 | 1,400 | 0.8 |
| cis 1,2-DCE | 22,500 | 2,230 | 5,720 | 32.6 |
| TCE | 5,320 | 70 | 1,400 | 6.5 |

Outside treatment zone

| Date | MW-7 | |
|-------------|------|-------|
| | 2/16 | 8/6 |
| 1,1,1-TCA | 0 | 0 |
| 1,1-DCA | 1130 | 1,160 |
| 1,1-DCE | 40 | 50 |
| cis 1,2-DCE | 240 | 230 |
| TCE | 19 | 19 |