

FEROXSM APPLICATION
 FEDERAL GOVERNMENT FACILITY
 NORTHERN ALABAMA

| Well ID | Event | TCE (ug/L) | <i>cis</i> -1,2-DCE (ug/L) | 1,1,2,2-PCA (ug/L) | 1,1,2,-TCA (ug/L) | Cl (mg/L) | pH (s.u) |
|------------|---------------|---------------|-------------------------------|-----------------------|----------------------|--------------|-------------|
| M W 01-013 | Baseline | 50200 | 30 | 240 | 64 | 2.76 | 7.04 |
| | Post-Inj. I | 10700 | 50 U | 50 U | 50 U | 8.56 | 6.65 |
| | Post-Inj. II | 34000 | 180 | 250 U | 250 U | 9.6 | 6.97 |
| | Post-Inj. III | 10000 | 920 | 50 U | 50 U | 9.1 | 7 |
| | Post-Inj. IV | 13000 | 7700 | 100 U | 100 U | 11 | 7.01 |
| | Post-Inj. V | 6600 | 5000 | 40 U | 40 U | 15 | 7 |
| | Post-Inj. VI | 12000 | 11000 | 100 U | 100 U | 19 | 7.04 |
| M W 00-211 | Baseline | 22 | 1 U | 1 U | 1 U | 6.87 | 6.98 |
| | Post-Inj. I | 64 | 1 U | 1 U | 1 U | 7.48 | 6.75 |
| | Post-Inj. II | 29 | 5 U | 5 U | 5 U | 8 | 6.93 |
| | Post-Inj. III | 12 | 1 U | 1 U | 1 U | 8.5 | 7.16 |
| | Post-Inj. IV | 12 | 1 U | 1 U | 1 U | 7.7 | 6.3 |
| | Post-Inj. V | 11 | 1 U | 1 U | 1 U | 9.2 | 6.93 |
| | Post-Inj. VI | 17 | 1 U | 1 U | 1 U | 9.2 | 7.13 |
| M W 00-212 | Baseline | 13300 | 122 | 500 U | 500 U | 4.34 | 6.35 |
| | Post-Inj. I | 3250 | 1140 | 50 U | 50 U | 10.5 | 6.8 |
| | Post-Inj. II | 8900 | 680 | 250 U | 250 U | 7 | 6.35 |
| | Post-Inj. III | 5100 | 900 | 5 U | 5 U | 7.9 | 6.72 |
| | Post-Inj. IV | 5800 | 630 | 50 U | 50 U | 6.6 | 5.57 |
| | Post-Inj. V | 4500 | 370 | 40 U | 40 U | 6.8 | 6.3 |
| | Post-Inj. VI | 5600 | 540 | 25 U | 25 U | 7.9 | 6.48 |
| M W 00-213 | Baseline | 72800 | 100 U | 100 U | 100 U | 3.29 | 6.91 |
| | Post-Inj. I | 9760 | 25 | 50 U | 50 U | 44.4 | 6.65 |
| | Post-Inj. II | 14000 | 430 | 250 U | 250 U | 42 | 6.54 |
| | Post-Inj. III | 5200 | 970 | 40 U | 40 U | 30 | 6.04 |
| | Post-Inj. IV | 4200 | 3900 | 50 U | 50 U | 23 | 6.32 |
| | Post-Inj. V | 3400 | 3500 | 40 U | 40 U | 30 | 7.29 |
| | Post-Inj. VI | 2500 | 9900 | 100 U | 100 U | 34 | 6.48 |
| M W 00-214 | Baseline | 0.94 | 1 U | 1 U | 1 U | 1.36 | 6.26 |
| | Post-Inj. I | 1 U | 1 U | 1 U | 5 U | 1.9 | 5.94 |
| | Post-Inj. II | - | - | - | - | - | 6.19 |
| | Post-Inj. III | 0.76 | 1 U | 1 U | 1 U | 2.1 | 6.35 |
| | Post-Inj. IV | 0.71 | 1 U | 1 U | 1 U | 1.6 | 6.07 |
| | Post-Inj. V | 0.67 | 1 U | 1 U | 1 U | 2.1 | 5.88 |
| | Post-Inj. VI | 0.56 | 1 U | 1 U | 1 U | 1.9 | 6.3 |
| M W 00-215 | Baseline | 51 | 1.6 | 1 U | 1 U | 2.34 | 6.08 |
| | Post-Inj. I | 47 | 1.1 | 1 U | 1 U | - | 6.32 |
| | Post-Inj. II | - | - | - | - | 2.9 | 6.03 |
| | Post-Inj. III | 36 | 0.97 | 1 U | 1 U | 3.8 | 5.95 |
| | Post-Inj. IV | 48 | 0.84 | 1 U | 1 U | 3 | 5.34 |
| | Post-Inj. V | 63 | 1 | 1 U | 1 U | 3.4 | 5.7 |
| | Post-Inj. VI | 53 | 0.8 | 1 U | 1 U | 3.2 | 6.05 |
| M W 00-216 | Baseline | 213 | 114 | 1 U | 1 U | 3.69 | 6.42 |
| | Post-Inj. I | 203 | 116 | 1 U | 1 U | 5.66 | 6.24 |
| | Post-Inj. II | 360 | 26 | 5 U | 5 U | 4.1 | 6.12 |
| | Post-Inj. III | 320 | 55 | 2 U | 1 U | 5.9 | 5.55 |
| | Post-Inj. IV | 300 | 72 | 1 U | 1 U | 4.7 | 5.06 |
| | Post-Inj. V | 210 | 51 | 2 U | 2 U | 6.2 | 5.66 |
| | Post-Inj. VI | 300 | 74 | 2 U | 2 U | 5.1 | 5.65 |
| M W 00-217 | Baseline | 16 | 5.5 | 1 U | 1 U | 4.63 | 6.08 |
| | Post-Inj. I | 13 | 5.2 | 1 U | 1 U | 6.88 | 6.24 |
| | Post-Inj. II | 9.8 | 3.7 | 5 U | 5 U | 5.4 | 5.84 |
| | Post-Inj. III | 8.7 | 3.4 | 1 U | 1 U | 6.8 | 5.54 |
| | Post-Inj. IV | 9 | 3.2 | 1 U | 1 U | 5.3 | 5.45 |
| | Post-Inj. V | 13 | 5.6 | 1 U | 1 U | 6.2 | 6.2 |
| | Post-Inj. VI | 14 | 4.4 | 1 U | 1 U | 5.8 | 5.18 |

The previous table shows the results of the baseline and post-injection groundwater sampling events. The post-injection sampling events were conducted approximately 6 weeks, 10 weeks, 18 weeks, 30 weeks, 52 weeks and 64 weeks after the FeroxSM injection. Note the decrease in the TCE concentrations and the corresponding increase in *cis*-1,2-DCE, and chloride levels in source area wells. This is indicative of effective dechlorination of the TCE.