

**Table 4.1**  
**Quarterly Off-Post Groundwater Monitoring Analytical Results - Detected Constituents, December, 2001**

|                          | Sample ID                 |        |         | FO-J1    |      |          |         | HS-2     |      |          |         | HS-3     |      |          |         | I10-2    |      |          |         | I10-4    |      |          |         | JW-9     |      |          |         | JW-14    |      |          |     |      |   |   |     |
|--------------------------|---------------------------|--------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|-----|------|---|---|-----|
|                          | Sample Date               |        |         | 12/20/01 |      |          |         | 12/19/01 |      |          |         | 12/19/01 |      |          |         | 12/18/01 |      |          |         | 12/19/01 |      |          |         | 12/19/01 |      |          |         | 12/20/01 |      |          |     |      |   |   |     |
|                          | Sample Type               |        |         | N        |      |          |         | N        |      |          |         | N        |      |          |         | N        |      |          |         | N        |      |          |         | N        |      |          |         |          |      |          |     |      |   |   |     |
| Lab Sample ID            |                           |        | AP26876 |          |      |          | AP26772 |          |      |          | AP26773 |          |      |          | AP26730 |          |      |          | AP26778 |          |      |          | AP26779 |          |      |          | AP26877 |          |      |          |     |      |   |   |     |
|                          | Water Comparison Criteria |        |         | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL |      |   |   |     |
|                          | Lab MDL                   | Lab RL | MCL     |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |     |      |   |   |     |
| SW8260 (UG/L)            |                           |        |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |     |      |   |   |     |
| Acetone                  | 1.45                      | 5.0    | -       | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8 | 0.12 | U | 1 | 0.8 |
| Bromodichloromethane     | 0.12                      | 0.80   | 100     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2 | 0.14 | U | 1 | 1.2 |
| Bromoform                | 0.14                      | 1.2    | -       | 0.06     | U    | 1        | 0.3     | 0.06     | U    | 1        | 0.3     | 0.06     | U    | 1        | 0.3     | 0.06     | U    | 1        | 0.3     | 0.06     | U    | 1        | 0.3     | 0.06     | U    | 1        | 0.3     | 0.06     | U    | 1        | 0.3 | 0.06 | U | 1 | 0.3 |
| Chloroform               | 0.06                      | 0.3    | 100     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5 | 0.09 | U | 1 | 0.5 |
| Dibromochloromethane     | 0.09                      | 0.5    | -       | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0 | 0.24 | U | 1 | 1.0 |
| Dichlorodifluoromethane  | 0.24                      | 1.0    | -       | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6 | 0.10 | U | 1 | 0.6 |
| Dichloroethane, 1,2-     | 0.1                       | 0.6    | 5       | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2 | 0.11 | U | 1 | 1.2 |
| Dichloroethene, cis-1,2- | 0.11                      | 1.2    | 70      | 0.19     | F    | 1        | 1.0     | 0.40     | F    | 1        | 1.0     | 0.38     | F    | 1        | 1.0     | 0.21     | F    | 1        | 1.0     | 0.19     | U    | 1        | 1.0     | 0.19     | U    | 1        | 1.0     | 0.19     | U    | 1        | 1.0 | 0.19 | U | 1 | 1.0 |
| Methylene chloride       | 0.19                      | 1.0    | 5       | 0.11     | U    | 1        | 1.4     | 0.16     | F    | 1        | 1.4     | 0.11     | U    | 1        | 1.4     | 0.16     | F    | 1        | 1.4     | 0.12     | F    | 1        | 1.4     | 0.11     | U    | 1        | 1.4     | 0.11     | U    | 1        | 1.4 | 0.11 | U | 1 | 1.4 |
| Tetrachloroethene        | 0.11                      | 1.4    | 5       | 0.14     | U    | 1        | 1.0     | 0.14     | U    | 1        | 1.0     | 0.14     | U    | 1        | 1.0     | 0.22     | F    | 1        | 1.0     | 0.14     | U    | 1        | 1.0     | 0.14     | U    | 1        | 1.0     | 0.14     | U    | 1        | 1.0 | 0.14 | U | 1 | 1.0 |
| Trichloroethene          | 0.14                      | 1.0    | 5       |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |     |      |   |   |     |

|                            | Sample ID                 |        |         | JW-14    |      |          |         | LS-1     |      |          |         | LS-2     |      |          |         | LS-2     |      |          |         | LS-2     |      |          |         | LS-2-LS-3/EP |      |          |         |          |      |          |     |      |   |   |     |
|----------------------------|---------------------------|--------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|----------|------|----------|---------|--------------|------|----------|---------|----------|------|----------|-----|------|---|---|-----|
|                            | Sample Date               |        |         | 12/20/01 |      |          |         | 12/19/01 |      |          |         | 09/27/01 |      |          |         | 10/04/01 |      |          |         | 11/14/01 |      |          |         | 12/19/01     |      |          |         | 10/04/01 |      |          |     |      |   |   |     |
|                            | Sample Type               |        |         | FD       |      |          |         | N        |      |          |         | N        |      |          |         | N        |      |          |         | N        |      |          |         | N            |      |          |         |          |      |          |     |      |   |   |     |
| Lab Sample ID              |                           |        | AP26878 |          |      |          | AP26774 |          |      |          | AP22601 |          |      |          | AP22869 |          |      |          | AP25267 |          |      |          | AP26777 |              |      |          | AP22871 |          |      |          |     |      |   |   |     |
|                            | Water Comparison Criteria |        |         | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL     | Result       | Flag | Dilution | SQL     | Result   | Flag | Dilution | SQL |      |   |   |     |
|                            | Lab MDL                   | Lab RL | MCL     |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |              |      |          |         |          |      |          |     |      |   |   |     |
| SW8260 (UG/L)              |                           |        |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |              |      |          |         |          |      |          |     |      |   |   |     |
| Acetone                    | 1.45                      | 5.0    | -       | 0.12     | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 1.45     | U    | 1        | 5.0     | 1.45     | U    | 1        | 5.0     | 0.12     | U    | 1        | 0.8     | 0.12         | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8 | 2.2  | F | 1 | 5.0 |
| Bromodichloromethane       | 0.12                      | 0.80   | 100     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.12     | U    | 1        | 0.8     | 0.31     | F    | 1        | 0.8     | 0.12     | U    | 1        | 0.8     | 0.12         | U    | 1        | 0.8     | 0.12     | U    | 1        | 0.8 | 6.2  | F | 1 | 0.8 |
| Bromoform                  | 0.14                      | 1.2    | -       | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2     | 0.14         | U    | 1        | 1.2     | 0.14     | U    | 1        | 1.2 | 4.5  | F | 1 | 1.2 |
| Chloroform                 | 0.06                      | 0.3    | 100     | 1.83     | F    | 1        | 0.3     | 0.27     | F    | 1        | 0.3     | 0.2      | F    | 1        | 0.3     | 0.65     | F    | 1        | 0.3     | 0.15     | F    | 1        | 0.3     | 0.10         | F    | 1        | 0.3     | 3.1      | F    | 1        | 0.3 |      |   |   |     |
| Dibromochloromethane       | 0.06                      | 0.3    | 100     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.22     | F    | 1        | 0.5     | 0.09     | U    | 1        | 0.5     | 0.09         | U    | 1        | 0.5     | 0.09     | U    | 1        | 0.5 | 9.4  | F | 1 | 0.5 |
| Dichlorodifluoromethane    | 0.09                      | 0.5    | -       | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0     | 0.24         | U    | 1        | 1.0     | 0.24     | U    | 1        | 1.0 | 0.24 | U | 1 | 1.0 |
| Dichloroethane, 1,2-       | 0.24                      | 1.0    | -       | 0.10     | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6     | 0.1      | U    | 1        | 0.6     | 0.1      | U    | 1        | 0.6     | 0.1      | U    | 1        | 0.6     | 0.1          | U    | 1        | 0.6     | 0.10     | U    | 1        | 0.6 | 0.1  | U | 1 | 0.6 |
| Dichloroethene, cis-1,2-   | 0.1                       | 0.6    | 5       | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2     | 0.11         | U    | 1        | 1.2     | 0.11     | U    | 1        | 1.2 | 0.11 | U | 1 | 1.2 |
| Dichloroethene, trans-1,2- | 0.11                      | 1.2    | 70      | 0.19     | U    | 1        | 1.0     | 0.22     | F    | 1        | 1.0     | 0.19     | U    | 1        | 1.0     | 0.19     | U    | 1        | 1.0     | 0.19     | U    | 1        | 1.0     | 0.19         | U    | 1        | 1.0     | 0.19     | U    | 1        | 1.0 | 0.19 | U | 1 | 1.0 |
| Methylene chloride         | 0.19                      | 1.0    | 5       | 0.11     | U    | 1        | 1.4     | 0.65     | F    | 1        | 1.4     | 0.17     | F    | 1        | 1.4     | 3.2      | F    | 1        | 1.4     | 2.7      | F    | 1        | 1.4     | 3.45         | F    | 1        | 1.4     | 0.54     | F    | 1        | 1.4 |      |   |   |     |
| Tetrachloroethene          | 0.11                      | 1.4    | 5       | 0.14     | U    | 1        | 1.0     | 0.26     | F    | 1        | 1.0     | 0.17     | F    | 1        | 1.0     | 0.14     | U    | 1        | 1.0     | 0.14     | U    | 1        | 1.0     | 0.20         | F    | 1        | 1.0     | 0.18     | F    | 1        | 1.0 |      |   |   |     |
| Trichloroethene            | 0.14                      | 1.0    | 5       |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |          |      |          |         |              |      |          |         |          |      |          |     |      |   |   |     |

**Bold** Value > or = MCL  
**Bold** MCL > Value > or = RL  
**Bold** RL > Value > MDL

Tables present all laboratory results for analytes detected above the method detection limit. Results from all laboratory analysis are presented in Appendix B. All samples were analyzed by APPL Inc. Referenced laboratory package number: APPL Inc.: 36485, 36538, 36527, 36600, 36730, 36936, 37183, 37184, 37198, 37199, 37209, 38228.

**Abbreviations/Notes:**

-- No risk reduction standard or background level available  
FD1 Field Duplicate  
MDL Method Detection Limit  
N1 Environmental Sample  
RL Reporting Limit  
SQL Sample Quantitation Limit  
MCL Maximum Contamination Level

**Data Qualifiers:**

F- The analyte was positively identified but the associated numerical value is below the RL.  
J - The analyte was positively identified, the quantitation is an estimation.  
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.  
R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.  
M- Matrix Effect Present



