



# GETTLER-RYAN INC.

## TRANSMITTAL

MAY 16 2002

April 30, 2002  
G-R #180075

TO: Mr. David B. De Witt  
Phillips 66 Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

CC: Mr. David Vossler  
Gettler-Ryan Inc.  
Petaluma, California

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

RE: **Tosco (Unocal) Service Station  
#7376  
4191 First Street  
Pleasanton, California**

WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED          | DESCRIPTION   |
|--------|----------------|---|
| 1      | April 26, 2002 | Groundwater Monitoring and Sampling Report<br>First Quarter - Event of March 15, 2002 |

### COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **May 10, 2002**, this report will be distributed to the following:

cc: Mr. Scott Seary, Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502  
Ms. Carol Mahoney, Zone 7 Water District, 5997 Parkside Drive, Pleasanton, CA 94588

Enclosure

trans/7376-dbd



# GETTLER - RYAN INC.

April 26, 2002  
G-R Job #180075

Mr. David B. De Witt  
Phillips 66 Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

**RE: First Quarter Event of March 15, 2002**  
Groundwater Monitoring & Sampling Report  
Tosco (Unocal) Service Station #7376  
4191 First Street  
Pleasanton, California

MAY 16 2002

Dear Mr. De Witt:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

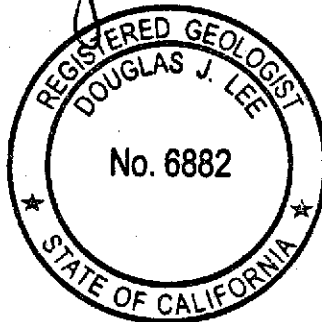
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. **Separate-phase hydrocarbons were present in one well (MW-5).** Static water level data and groundwater elevations are summarized in Table 1. Product Thickness/Removal Data is summarized in Table 2. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 3, and a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

Deanna L. Harding  
Project Coordinator

Douglas J. Lee  
Senior Geologist, R.G. No. 6882

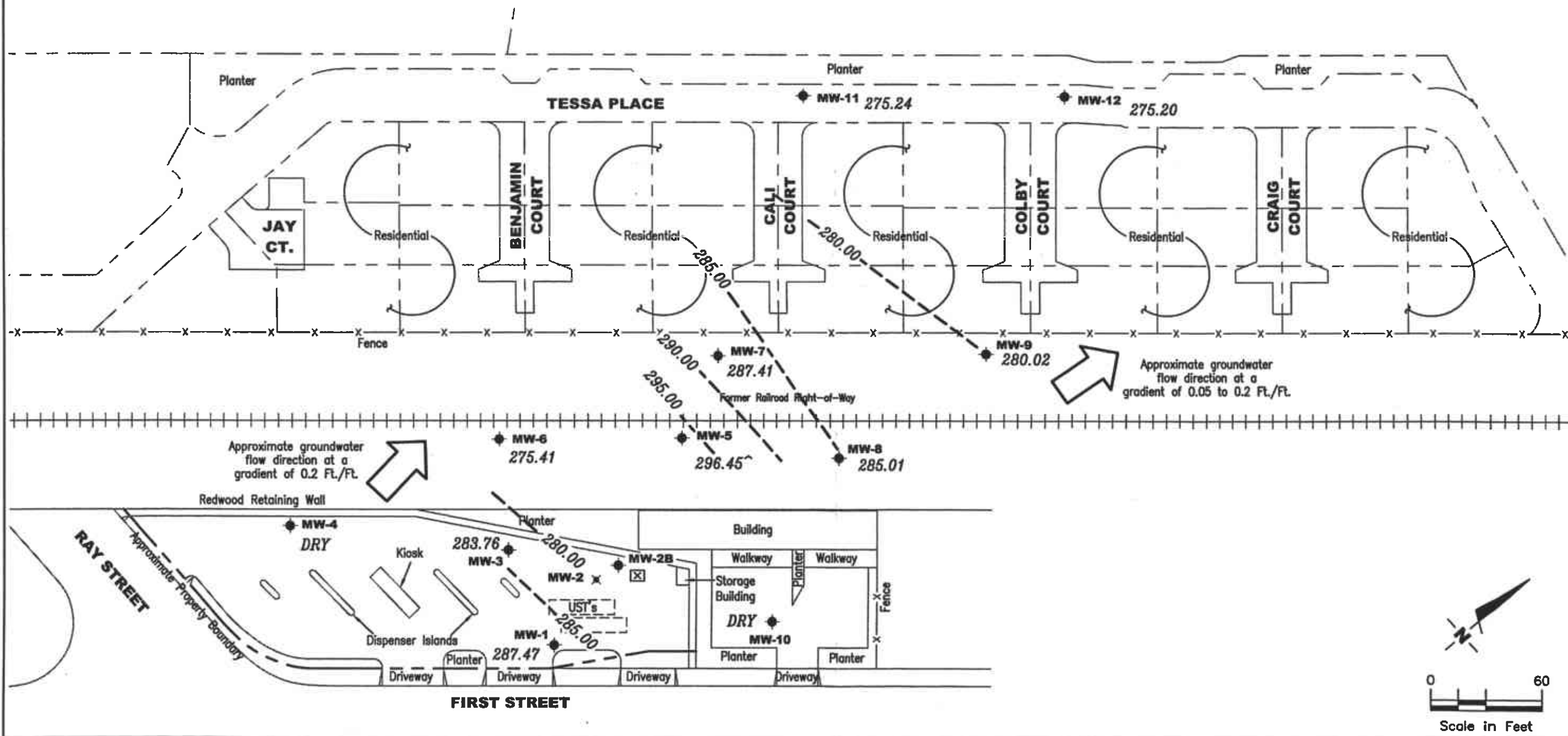


- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Product Thickness/Removal Data
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

7376.qml

**EXPLANATION**

- ◆ Groundwater monitoring well
- ✕ Abandoned well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- ☒ Inaccessible
- ^ Groundwater elevation corrected for the presence of free product



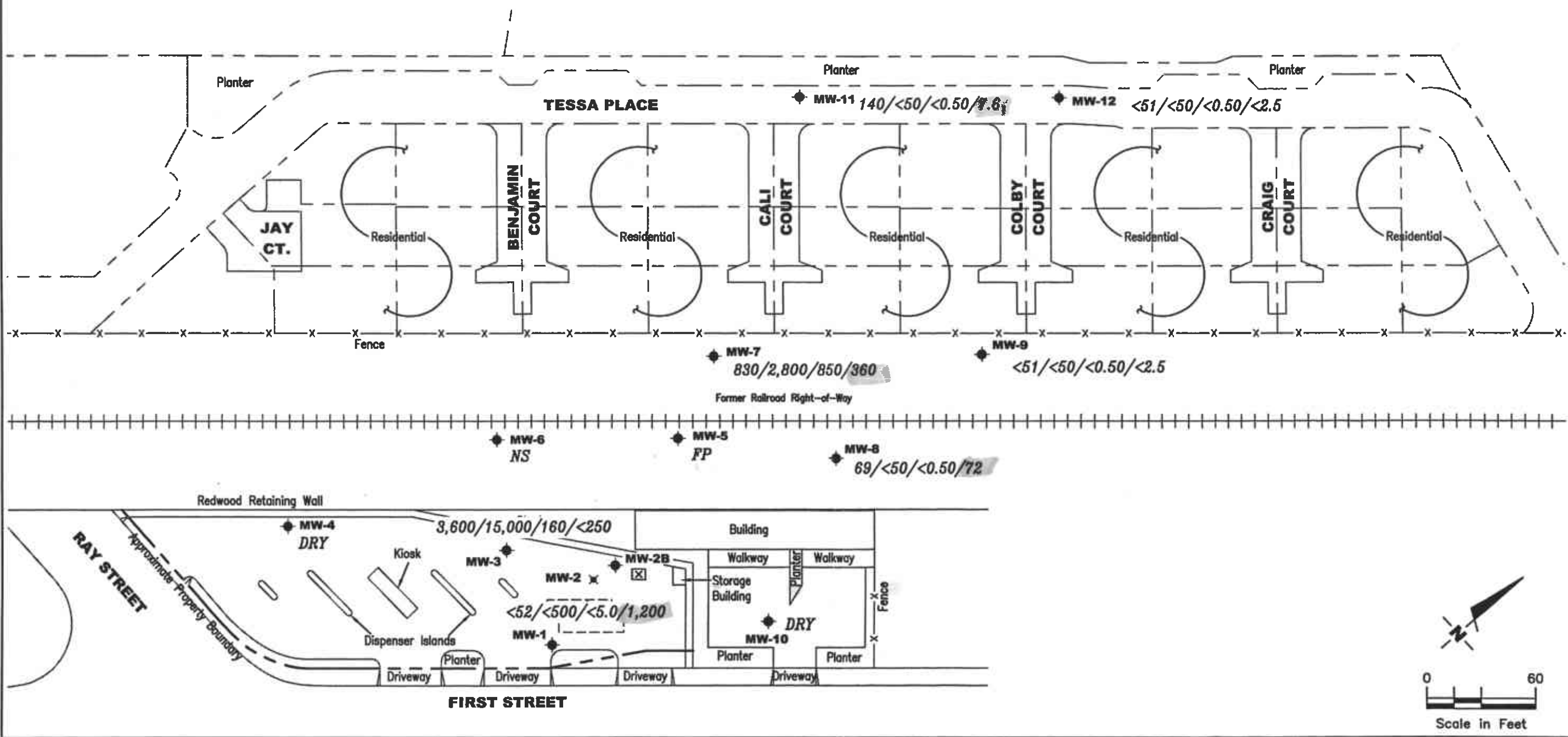
**POTENTIOMETRIC MAP**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

**GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
 Dublin, CA 94568  
 (925) 551-7555

PROJECT NUMBER: 180075  
 REVIEWED BY: [Signature]  
 DATE: March 15, 2002  
 REVISED DATE: [Blank]

**EXPLANATION**

- ◆ Groundwater monitoring well
- ✕ Abandoned well
- A/B/C/D Total Petroleum Hydrocarbons (TPH) as Diesel/TPH as Gasoline/Benzene/MTBE concentrations in ppb
- NS Not Sampled, insufficient water
- ☒ Inaccessible
- FP Free Product



**CONCENTRATION MAP**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

**GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
 Dublin, CA 94568  
 (925) 551-7555

PROJECT NUMBER: 180075  
 REVIEWED BY: [Signature]  
 DATE: March 15, 2002  
 REVISED DATE: [Blank]

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**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE                  | DTW<br>(ft.) | S.L.<br>(ft.bgs) | GWE<br>(msl) | Product            |                    |                  |                  |                  |                  |                  |                       |
|-----------------------|-----------------------|--------------|------------------|--------------|--------------------|--------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
|                       |                       |              |                  |              | Thickness<br>(ft.) | TPH-D<br>(ppb)     | TPH-G<br>(ppb)   | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)         |
| MW-1                  | 12/08/87 <sup>1</sup> | --           | 65.0-95.0        | --           | --                 | 2,100 <sup>2</sup> | 50 <sup>3</sup>  | 58               | 8.0              | ND               | 10               | --                    |
| 366.99                | 12/07/94              | 81.04        |                  | 285.95       | 0.00               | --                 | ND               | ND               | ND               | ND               | ND               | --                    |
|                       | 03/01/95              | 80.09        |                  | 286.90       | 0.00               | 120                | ND               | ND               | 1.1              | ND               | 1.3              | --                    |
|                       | 06/01/95              | 77.53        |                  | 289.46       | 0.00               | 54 <sup>5</sup>    | 130              | 1.0              | 2.9              | 0.79             | 4.5              | --                    |
|                       | 09/06/95              | 79.00        |                  | 287.99       | 0.00               | 690                | ND               | ND               | ND               | ND               | ND               | -- <sup>6</sup>       |
|                       | 12/12/95              | 77.55        |                  | 289.44       | 0.00               | 190 <sup>5</sup>   | ND               | ND               | ND               | ND               | ND               | --                    |
|                       | 03/01/96              | 75.09        |                  | 291.90       | 0.00               | 56                 | ND               | ND               | ND               | ND               | ND               | 370                   |
|                       | 06/15/96              | 75.07        |                  | 291.92       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 270                   |
|                       | 09/18/96              | 79.90        |                  | 287.09       | 0.00               | 130 <sup>5</sup>   | ND               | ND               | ND               | ND               | ND               | 590                   |
|                       | 12/21/96              | 78.96        |                  | 288.03       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 150                   |
|                       | 03/07/97              | 71.49        |                  | 295.50       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 220                   |
|                       | 06/27/97              | 80.05        |                  | 286.94       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 17                    |
|                       | 09/29/97              | 80.04        |                  | 286.95       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 24                    |
|                       | 12/15/97              | 80.07        |                  | 286.92       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 25                    |
|                       | 03/16/98              | 71.00        |                  | 295.99       | 0.00               | ND                 | ND               | ND               | 0.52             | ND               | 0.71             | 190                   |
| 366.98                | 06/26/98              | 79.29        |                  | 287.69       | 0.00               | ND                 | 59 <sup>13</sup> | 0.90             | ND               | ND               | ND               | 570                   |
|                       | 08/18/98              | 79.93        |                  | 287.05       | 0.00               | --                 | --               | --               | --               | --               | --               | --                    |
|                       | 09/22/98              | 79.99        |                  | 286.99       | 0.00               | 240 <sup>20</sup>  | ND               | ND               | ND               | ND               | ND               | 170                   |
|                       | 12/15/98              | 80.02        |                  | 286.96       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 63                    |
|                       | 12/23/98              | 80.02        |                  | 286.96       | 0.00               | --                 | --               | --               | --               | --               | --               | --                    |
|                       | 03/15/99              | 78.95        |                  | 288.03       | 0.00               | 67 <sup>24</sup>   | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 520                   |
|                       | 03/23/99              | 78.69        |                  | 288.29       | 0.00               | --                 | --               | --               | --               | --               | --               | --                    |
|                       | 06/07/99              | 79.82        |                  | 287.16       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 310                   |
|                       | 09/03/99              | 79.74        |                  | 287.24       | 0.00               | 76 <sup>19</sup>   | ND               | ND               | ND               | ND               | ND               | 67/55.2 <sup>27</sup> |
|                       | 12/06/99              | 79.74        |                  | 287.24       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 120                   |
|                       | 03/10/00              | 79.66        |                  | 287.32       | 0.00               | 51 <sup>19</sup>   | ND               | ND               | ND               | ND               | ND               | 100                   |
|                       | 06/08/00              | 79.57        |                  | 287.41       | 0.00               | 68.2 <sup>20</sup> | ND               | ND               | ND               | ND               | ND               | 98.9                  |
|                       | 09/25/00              | 79.48        |                  | 287.50       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 145                   |
|                       | 12/19/00              | 79.64        |                  | 287.34       | 0.00               | ND                 | ND               | ND               | ND               | ND               | ND               | 330                   |
| 03/05/01              | 80.03                 |              | 286.95           | 0.00         | 505 <sup>20</sup>  | ND                 | ND               | ND               | ND               | ND               | 711              |                       |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)      | TPH-G<br>(ppb)     | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)         |
|-----------------------|----------|--------------|------------------|--------------|-------------------------------|---------------------|--------------------|------------------|------------------|------------------|------------------|-----------------------|
| MW-1                  | 06/14/01 | 79.52        | 65.0-95.0        | 287.46       | 0.00                          | 71 <sup>20</sup>    | ND                 | ND               | ND               | ND               | ND               | 680                   |
| (cont)                | 09/17/01 | 79.76        |                  | 287.22       | 0.00                          | <50                 | <50                | <0.50            | <0.50            | <0.50            | <0.50            | 11                    |
|                       | 09/25/01 | 79.71        |                  | 287.27       | 0.00                          | --                  | --                 | --               | --               | --               | --               | --                    |
|                       | 12/17/01 | 80.73        |                  | 286.25       | 0.00                          | <53                 | <50                | <0.50            | <0.50            | <0.50            | <0.50            | 210/240 <sup>27</sup> |
|                       | 03/15/02 | 79.51        |                  | 287.47       | 0.00                          | <52                 | <500               | <5.0             | <5.0             | <5.0             | <5.0             | 1,200                 |
| MW-2                  | 12/08/87 | --           | --               | --           | --                            | 620 <sup>2</sup>    | 1,800 <sup>3</sup> | 910              | 800              | 260              | 1,200            | --                    |
|                       | 12/07/94 | DAMAGED      |                  | --           | --                            | --                  | --                 | --               | --               | --               | --               | --                    |
|                       |          | DESTROYED    |                  |              |                               |                     |                    |                  |                  |                  |                  |                       |
| MW-2B                 |          |              |                  |              |                               |                     |                    |                  |                  |                  |                  |                       |
| 365.05                | 03/01/95 | 80.80        | 65.0-85.0        | 284.25       | 0.00                          | 320                 | ND                 | ND               | ND               | ND               | ND               | --                    |
|                       | 06/01/95 | 75.69        |                  | 289.36       | 0.00                          | 280                 | 350                | 19               | 5.8              | ND               | 7.7              | --                    |
|                       | 09/06/95 | 77.54        |                  | 287.51       | 0.00                          | ND                  | ND                 | 90               | ND               | ND               | ND               | -- <sup>6</sup>       |
|                       | 12/12/95 | 75.96        |                  | 289.09       | 0.00                          | 850 <sup>4</sup>    | 1,200              | 630              | ND               | 15               | 57               | -- <sup>7</sup>       |
|                       | 03/01/96 | 73.27        |                  | 291.78       | 0.00                          | 870 <sup>4</sup>    | 1,000              | 620              | ND               | ND               | 5.3              | 4,300                 |
|                       | 06/15/96 | 73.21        |                  | 291.84       | 0.00                          | 420                 | 910                | 350              | ND               | ND               | ND               | 3,700                 |
|                       | 09/18/96 | 81.08        |                  | 283.97       | 0.00                          | 600                 | 1,200              | 95               | ND               | ND               | ND               | 5,200                 |
|                       | 12/21/96 | 77.35        |                  | 287.70       | 0.00                          | 470                 | 330 <sup>8</sup>   | 57               | ND               | ND               | ND               | 2,900                 |
|                       | 03/07/97 | 69.67        |                  | 295.38       | 0.00                          | 870 <sup>4</sup>    | 190                | 28               | 0.64             | ND               | 1.5              | 4,300                 |
|                       | 06/27/97 | 82.40        |                  | 282.65       | 0.00                          | 680 <sup>4</sup>    | 98                 | 3.4              | 1.0              | 0.53             | ND               | 3,100                 |
|                       | 09/29/97 | 82.72        |                  | 282.33       | 0.00                          | 430                 | ND                 | ND               | ND               | ND               | ND               | 3,000                 |
|                       | 12/15/97 | 82.57        |                  | 282.48       | 0.00                          | 490                 | 54 <sup>9</sup>    | ND               | ND               | ND               | ND               | 4,100                 |
|                       | 03/16/98 | 69.13        |                  | 295.92       | 0.00                          | 4,000 <sup>10</sup> | ND <sup>11</sup>   | 17               | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 4,400                 |
| 365.05                | 06/26/98 | 77.78        |                  | 287.27       | 0.00                          | 790 <sup>14</sup>   | ND                 | ND               | ND               | ND               | ND               | 4,000                 |
|                       | 08/18/98 | 83.99        |                  | 281.06       | 0.00                          | --                  | --                 | --               | --               | --               | --               | --                    |
|                       | 09/22/98 | 83.89        |                  | 281.16       | 0.00                          | 930 <sup>20</sup>   | ND <sup>11</sup>   | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 21               | 4,600                 |
|                       | 12/15/98 | 82.84        |                  | 282.21       | 0.00                          | 600                 | ND                 | ND               | ND               | ND               | ND               | 5,100                 |
|                       | 12/23/98 | 82.55        |                  | 282.50       | 0.00                          | --                  | --                 | --               | --               | --               | --               | --                    |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs)                    | GWE<br>(msl) | Product            |                     |                     |                  |                  |                  |                  |                  |                           |
|-----------------------|----------|--------------|-------------------------------------|--------------|--------------------|---------------------|---------------------|------------------|------------------|------------------|------------------|------------------|---------------------------|
|                       |          |              |                                     |              | Thickness<br>(ft.) | TPH-D<br>(ppb)      | TPH-G<br>(ppb)      | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)    |                           |
| MW-2B                 | 03/15/99 | 77.31        | 65.0-85.0                           | 287.74       | 0.00               | 390 <sup>25</sup>   | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 4,300/4,800 <sup>27</sup> |
| (cont)                | 03/23/99 | 77.06        |                                     | 287.99       | 0.00               | --                  | --                  | --               | --               | --               | --               | --               | --                        |
|                       | 06/07/99 | 82.96        |                                     | 282.09       | 0.00               | 770 <sup>25</sup>   | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 5,100                     |
|                       | 09/03/99 | 84.16        |                                     | 280.89       | 0.00               | 870 <sup>20</sup>   | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 6,300/4,400 <sup>27</sup> |
|                       | 12/06/99 | 84.41        |                                     | 280.64       | 0.00               | 850 <sup>32</sup>   | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 4,400                     |
|                       | 03/10/00 | 82.42        |                                     | 282.63       | 0.00               | 1,500 <sup>20</sup> | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 6,900                     |
|                       | 06/08/00 | 82.73        |                                     | 282.32       | 0.00               | -- <sup>34</sup>    | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 7,780                     |
|                       | 09/25/00 | 84.24        |                                     | 280.81       | 0.00               | 2,900 <sup>20</sup> | 52.9 <sup>30</sup>  | 8.83             | 6.58             | 0.932            | 5.60             | 12,200           |                           |
|                       | 12/19/00 | 84.39        |                                     | 280.66       | 0.00               | 700 <sup>19</sup>   | ND <sup>11</sup>    | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 6,000                     |
|                       | 03/05/01 | 84.61        |                                     | 280.44       | 0.00               | -- <sup>36</sup>    | ND                  | ND               | ND               | ND               | ND               | ND               | 5,890                     |
| NP                    | 06/14/01 | 83.53        |                                     | 281.52       | 0.00               | 570 <sup>20</sup>   | ND                  | ND               | ND               | ND               | ND               | ND               | 6,600                     |
|                       | 09/17/01 | 84.55        |                                     | 280.50       | 0.00               | -- <sup>36</sup>    | <200                | <2.0             | <2.0             | <2.0             | <2.0             | <2.0             | 5,100                     |
|                       | 09/25/01 |              | INACCESSIBLE - CAR PARKED OVER WELL |              |                    | --                  | --                  | --               | --               | --               | --               | --               | --                        |
|                       | 12/17/01 |              | DRY                                 |              |                    | --                  | --                  | --               | --               | --               | --               | --               | --                        |
|                       | 03/15/02 |              | INACCESSIBLE - CAR PARKED OVER WELL |              |                    | --                  | --                  | --               | --               | --               | --               | --               | --                        |
| MW-3                  |          |              |                                     |              |                    |                     |                     |                  |                  |                  |                  |                  |                           |
|                       | 12/08/87 | --           | 76.5-96.5                           | --           | --                 | 2,300 <sup>2</sup>  | 24,000 <sup>3</sup> | 2,600            | 1,300            | 160              | 660              | --               | --                        |
| 367.01                | 12/07/94 | 85.54        |                                     | 281.47       | 0.00               | --                  | ND                  | ND               | ND               | ND               | ND               | --               | --                        |
|                       | 03/01/95 | 83.20        |                                     | 283.81       | 0.00               | 140 <sup>4</sup>    | ND                  | ND               | 1.1              | ND               | 1.1              | --               | --                        |
|                       | 06/01/95 | 77.60        |                                     | 289.41       | 0.00               | 140 <sup>5</sup>    | 62                  | 7.8              | 0.90             | ND               | 1.6              | --               | --                        |
|                       | 09/06/95 | 79.28        |                                     | 287.73       | 0.00               | 880 <sup>5</sup>    | 4,100               | 380              | 490              | 130              | 710              | -- <sup>6</sup>  | --                        |
|                       | 12/12/95 | 77.73        |                                     | 289.28       | 0.00               | 3,100 <sup>4</sup>  | 19,000              | 600              | 380              | 2,100            | 5,300            | -- <sup>7</sup>  | --                        |
|                       | 03/01/96 | 75.18        |                                     | 291.83       | 0.00               | 1,500 <sup>5</sup>  | 3,400               | 950              | 3.2              | 1,900            | 290              | 59               | 59                        |
|                       | 06/15/96 | 75.13        |                                     | 291.88       | 0.00               | 400 <sup>4</sup>    | 780                 | 190              | 8.8              | 3.8              | 4.0              | 630              | 630                       |
|                       | 09/18/96 | 82.84        |                                     | 284.17       | 0.00               | 170                 | 2,800               | 340              | 12               | 11               | 110              | 2,500            | 2,500                     |
|                       | 12/21/96 | 79.29        |                                     | 287.72       | 0.00               | 64 <sup>4</sup>     | 51                  | 1.3              | ND               | ND               | 0.53             | 20               | 20                        |
|                       | 03/07/97 | 71.58        |                                     | 295.43       | 0.00               | 570 <sup>4</sup>    | 1,400               | 53               | 14               | 29               | 68               | 220              | 220                       |
|                       | 06/27/97 | 83.27        |                                     | 283.74       | 0.00               | ND                  | ND                  | ND               | ND               | ND               | ND               | 27               | 27                        |
|                       | 09/29/97 | 83.33        |                                     | 283.68       | 0.00               | ND                  | ND                  | ND               | ND               | ND               | ND               | 11               | 11                        |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #7376  
4191 First Street  
Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product            |                     |                      |            |                  |                  |            |                        |
|-----------------------|----------|--------------|------------------|--------------|--------------------|---------------------|----------------------|------------|------------------|------------------|------------|------------------------|
|                       |          |              |                  |              | Thickness<br>(ft.) | TPH-D<br>(ppb)      | TPH-G<br>(ppb)       | B<br>(ppb) | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb) | MTBE<br>(ppb)          |
| MW-3                  | 12/15/97 | 83.35        | 76.5-96.5        | 283.66       | 0.00               | ND                  | ND                   | ND         | ND               | ND               | ND         | 19                     |
| (cont)                | 03/16/98 | 71.07        |                  | 295.94       | 0.00               | 670 <sup>10</sup>   | 130 <sup>12</sup>    | 6.5        | 1.9              | 1.5              | 1.6        | 210                    |
| 367.03                | 06/26/98 | 79.65        |                  | 287.38       | 0.00               | 63 <sup>13</sup>    | 400 <sup>15</sup>    | 15         | ND <sup>11</sup> | ND <sup>11</sup> | 1.9        | 490                    |
|                       | 08/18/98 | 83.29        |                  | 283.74       | 0.00               | --                  | --                   | --         | --               | --               | --         | --                     |
|                       | 09/22/98 | 83.33        |                  | 283.70       | 0.00               | 95 <sup>20</sup>    | ND                   | ND         | ND               | ND               | ND         | 24                     |
|                       | 12/15/98 | 83.29        |                  | 283.74       | 0.00               | ND                  | ND                   | ND         | ND               | ND               | ND         | 18                     |
|                       | 12/23/98 | 83.28        |                  | 283.75       | 0.00               | --                  | --                   | --         | --               | --               | --         | --                     |
|                       | 03/15/99 | 79.19        |                  | 287.84       | 0.00               | 3,500 <sup>26</sup> | 26,000               | 3,100      | 270              | 2,200            | 3,100      | 1,300                  |
|                       | 03/23/99 | 78.92        |                  | 288.11       | 0.00               | --                  | --                   | --         | --               | --               | --         | --                     |
|                       | 06/07/99 | 83.22        |                  | 283.81       | 0.00               | ND                  | ND                   | ND         | ND               | 0.63             | ND         | 29                     |
|                       | 09/03/99 | 83.31        |                  | 283.72       | 0.00               | 2,900 <sup>20</sup> | 23,000 <sup>30</sup> | 770        | ND <sup>11</sup> | 980              | 6,400      | 280/82.4 <sup>27</sup> |
|                       | 12/06/99 | 83.41        |                  | 283.62       | 0.00               | 4,200 <sup>20</sup> | 41,000 <sup>30</sup> | 3,200      | 3,500            | 1,300            | 8,300      | ND <sup>11</sup>       |
|                       | 03/10/00 | 83.23        |                  | 283.80       | 0.00               | 2,500 <sup>20</sup> | 5,100 <sup>30</sup>  | 340        | ND <sup>11</sup> | 97               | 450        | 200                    |
|                       | 06/08/00 | 83.22        |                  | 283.81       | 0.00               | 489 <sup>20</sup>   | 1,200 <sup>30</sup>  | 52.0       | ND <sup>11</sup> | 41.7             | 356        | 55.8                   |
|                       | 09/25/00 | 83.37        |                  | 283.66       | 0.00               | 4,380 <sup>20</sup> | 3,400 <sup>30</sup>  | 305        | ND <sup>11</sup> | 25.4             | 512        | 137                    |
|                       | 12/19/00 | 83.27        |                  | 283.76       | 0.00               | 5,600 <sup>35</sup> | 6,800 <sup>30</sup>  | 260        | ND <sup>11</sup> | 120              | 950        | 130                    |
|                       | 03/05/01 | 83.34        |                  | 283.69       | 0.00               | 3,790 <sup>20</sup> | 16,800 <sup>30</sup> | 1,100      | 48.6             | 637              | 4,260      | 224                    |
|                       | 06/14/01 | 83.39        |                  | 283.64       | 0.00               | 1,300 <sup>20</sup> | 1,800 <sup>30</sup>  | 260        | ND <sup>11</sup> | 5.5              | 25         | 83                     |
|                       | 09/17/01 | 84.10        |                  | 282.93       | 0.00               | 290 <sup>20</sup>   | <50                  | 0.50       | <0.50            | <0.50            | <0.50      | 71                     |
|                       | 09/25/01 | 84.23        |                  | 282.80       | 0.00               | --                  | --                   | --         | --               | --               | --         | --                     |
|                       | 12/17/01 | 83.32        |                  | 283.71       | 0.00               | 700                 | 1,800 <sup>30</sup>  | 120        | <5.0             | 45               | 270        | 80/91 <sup>27</sup>    |
|                       | 03/15/02 | 83.27        |                  | 283.76       | 0.00               | 3,600 <sup>38</sup> | 15,000               | 160        | <50              | 140              | 4,400      | <250                   |
| <b>MW-4</b>           |          |              |                  |              |                    |                     |                      |            |                  |                  |            |                        |
| 369.03                | 09/18/96 | 73.67        | 73.0-93.0        | 295.36       | 0.00               | 200                 | 160                  | 14         | ND               | ND               | 1.6        | ND                     |
|                       | 12/21/96 | 77.69        |                  | 291.34       | 0.00               | ND                  | ND                   | ND         | ND               | ND               | ND         | ND                     |
|                       | 03/07/97 | 68.04        |                  | 300.99       | 0.00               | ND                  | ND                   | 1.9        | 0.99             | ND               | 1.5        | ND                     |
|                       | 06/27/97 | 79.06        |                  | 289.97       | 0.00               | ND                  | ND                   | ND         | ND               | ND               | ND         | ND                     |
|                       | 09/29/97 | 85.83        |                  | 283.20       | 0.00               | ND                  | ND                   | ND         | ND               | ND               | ND         | ND                     |



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)                                  | TPH-G<br>(ppb)    | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)       |
|-----------------------|----------|--------------|------------------|--------------|-------------------------------|---|-------------------|------------|------------|------------|------------|---------------------|
| MW-4                  | 12/15/97 | 87.26        | 73.0-93.0        | 281.77       | 0.00                          | ND  | ND                | ND         | ND         | ND         | ND         | ND                  |
| (cont)                | 03/16/98 | 75.09        |                  | 293.94       | 0.00                          | ND  | ND                | ND         | 0.69       | ND         | 0.82       | ND                  |
| 368.81                | 06/26/98 | 73.81        |                  | 295.00       | 0.00                          | 630 <sup>16</sup>                               | 100 <sup>13</sup> | 62         | ND         | ND         | ND         | ND                  |
|                       | 08/18/98 | 78.75        |                  | 290.06       | 0.00                          | --  | --                | --         | --         | --         | --         | --                  |
|                       | 09/22/98 | 83.95        |                  | 284.86       | 0.00                          | 74 <sup>20</sup>                                | ND                | ND         | ND         | ND         | ND         | 2.8                 |
|                       | 12/15/98 | 85.41        |                  | 283.40       | 0.00                          | ND  | ND                | ND         | ND         | ND         | ND         | ND                  |
|                       | 12/23/98 | 84.95        |                  | 283.86       | 0.00                          | --  | --                | --         | --         | --         | --         | --                  |
|                       | 03/15/99 | 78.47        |                  | 290.34       | 0.00                          | ND  | ND                | ND         | ND         | ND         | ND         | ND                  |
|                       | 03/23/99 | 77.37        |                  | 291.44       | 0.00                          | --  | --                | --         | --         | --         | --         | --                  |
|                       | 06/07/99 | 76.60        |                  | 292.21       | 0.00                          | ND  | ND                | ND         | ND         | ND         | ND         | ND                  |
|                       | 09/03/99 | 87.23        |                  | 281.58       | 0.00                          | 66 <sup>19</sup>                                | ND                | ND         | ND         | ND         | ND         | ND/ND <sup>27</sup> |
|                       | 12/06/99 | 92.23        |                  | 276.58       | 0.00                          | 95 <sup>13</sup>                                | ND                | ND         | ND         | ND         | ND         | ND                  |
|                       | 03/10/00 | 88.54        |                  | 280.27       | 0.00                          | ND  | ND                | ND         | ND         | ND         | ND         | ND                  |
|                       | 06/08/00 | 86.98        |                  | 281.83       | 0.00                          | 72.8 <sup>20</sup>                              | ND                | ND         | ND         | ND         | ND         | ND                  |
|                       | 09/25/00 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 12/19/00 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 03/05/01 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 06/14/01 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 09/17/01 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 09/25/01 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 12/17/01 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
|                       | 03/15/02 | DRY          |                  | --           | --                            | --  | --                | --         | --         | --         | --         | --                  |
| <b>MW-5</b>           |          |              |                  |              |                               |   |                   |            |            |            |            |                     |
| 363.23                | 09/18/96 | 64.20        | 52.0-72.0        | 299.03       | 0.00                          | 4,700 <sup>5</sup>                              | 36,000            | 6,700      | 410        | 730        | 6,500      | 4,100               |
|                       | 12/21/96 | 61.77        |                  | 301.46       | Sheen                         | 4,700 <sup>4</sup>                              | 25,000            | 3,200      | 300        | 780        | 3,600      | 2,600               |
|                       | 03/07/97 | 56.30        |                  | 306.93       | Sheen                         | 2,100 <sup>4</sup>                              | 14,000            | 1,300      | 120        | 410        | 1,200      | 1,700               |
|                       | 06/27/97 | 68.88        |                  | 295.03***    | 0.90                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                   |            |            |            |            | --                  |
|                       | 09/29/97 | 69.47        |                  | 294.02***    | 0.35                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                   |            |            |            |            | --                  |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)                                  | TPH-G<br>(ppb)     | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)              |
|-----------------------|----------|--------------|------------------|--------------|-------------------------------|---|--------------------|------------|------------|------------|------------|----------------------------|
|                       |          |              |                  |              |                               |   |                    |            |            |            |            |                            |
| MW-5                  | 12/15/97 | 64.92        | 52.0-72.0        | 298.54***    | 0.30                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
| (cont)                | 03/16/98 | 49.63        |                  | 313.67***    | 0.09                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
| 363.21                | 06/26/98 | 64.13        |                  | 299.08       | Sheen                         | 230,000 <sup>17</sup>                           | 490 <sup>18</sup>  | 6.3        | 2.8        | 4.2        | 5.1        | 10                         |
|                       | 08/18/98 | 70.40        |                  | 292.81**     | 0.005                         | --  | --                 | --         | --         | --         | --         | --                         |
|                       | 09/22/98 | 69.10        |                  | 294.16**     | 0.06                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 12/15/98 | 68.84        |                  | 294.50**     | 0.17                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 12/23/98 | 68.42        |                  | 295.18**     | 0.50                          | --  | --                 | --         | --         | --         | --         | --                         |
|                       | 03/15/99 | 63.81        |                  | 299.59**     | 0.25                          | --  | --                 | --         | --         | --         | --         | --                         |
|                       | 03/23/99 | 63.59        |                  | 299.72**     | 0.13                          | --  | --                 | --         | --         | --         | --         | --                         |
|                       | 06/07/99 | 68.25        |                  | 295.59**     | 0.82                          | 4,700,000 <sup>26</sup>                         | 210,000            | 6,700      | 3,700      | 5,000      | 20,000     | 11,000/4,000 <sup>27</sup> |
|                       | 09/03/99 | 69.38        |                  | 294.37**     | 0.70                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 12/06/99 | 70.02        |                  | 293.82**     | 0.82                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 03/10/00 | 64.56        |                  | 299.14**     | 0.64                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 06/08/00 | 66.47        |                  | 297.13**     | 0.51                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 09/25/00 | 69.02        |                  | 294.65**     | 0.60                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 12/19/00 | 68.31        |                  | 295.01**     | 0.14                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 03/05/01 | 64.19        |                  | 299.08**     | 0.08                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 06/14/01 | 64.02        |                  | 299.27**     | 0.11                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 09/17/01 | 72.07        |                  | 291.17**     | 0.04                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 09/25/01 | 72.17        |                  | 291.06**     | 0.03                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 12/17/01 | 72.11        |                  | 291.12**     | 0.03                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
|                       | 03/15/02 | 66.93        |                  | 296.45**     | 0.22                          | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                    |            |            |            |            | --                         |
| <br>                  |          |              |                  |              |                               |   |                    |            |            |            |            |                            |
| MW-6                  |          |              |                  |              |                               |   |                    |            |            |            |            |                            |
| 363.12                | 09/18/96 | 79.07        | 68.0-88.0        | 284.05       | 0.00                          | ND  | 160                | 5.4        | ND         | ND         | ND         | ND                         |
|                       | 12/21/96 | 75.40        |                  | 287.72       | 0.00                          | ND  | 300 <sup>8</sup>   | 96         | 1.3        | ND         | 1.7        | 21                         |
|                       | 03/07/97 | 67.61        |                  | 295.51       | 0.00                          | 190 <sup>4</sup>                                | 1,800 <sup>8</sup> | 920        | 18         | ND         | 31         | 290                        |
|                       | 06/27/97 | 80.45        |                  | 282.67       | 0.00                          | 73 <sup>5</sup>                                 | ND                 | 0.73       | ND         | ND         | 38         | 38                         |
|                       | 09/29/97 | 86.02        |                  | 277.10       | 0.00                          | ND  | 62 <sup>9</sup>    | ND         | ND         | ND         | ND         | 43                         |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.)     | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)                        | TPH-G<br>(ppb)      | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb)       | MTBE<br>(ppb) |
|-----------------------|----------|------------------|------------------|--------------|-------------------------------|---------------------------------------|---------------------|------------|------------|------------|------------------|---------------|
| MW-6                  | 12/15/97 | 84.03            | 68.0-88.0        | 279.09       | 0.00                          | ND                                    | 78 <sup>9</sup>     | ND         | ND         | ND         | ND               | 39            |
| (cont)                | 03/16/98 | 67.15            |                  | 295.97       | 0.00                          | 100 <sup>10</sup>                     | 210 <sup>12</sup>   | 36         | 2.5        | ND         | 3.0              | 64            |
| 363.13                | 06/26/98 | 75.71            |                  | 287.42       | 0.00                          | 180 <sup>14</sup>                     | 530                 | 300        | 8.3        | 2.8        | 8.7              | 81            |
|                       | 08/18/98 | 74.86            |                  | 288.27       | 0.00                          | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 09/22/98 | UNABLE TO LOCATE |                  |              | --                            | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 12/15/98 | UNABLE TO LOCATE |                  |              | --                            | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 12/23/98 | 80.80            |                  | 282.33       | 0.00                          | --                                    | 120 <sup>23</sup>   | 1.1        | ND         | ND         | 0.78             | 25            |
|                       | 01/23/99 | 80.68            |                  | 282.45       | 0.00                          | ND                                    | --                  | --         | --         | --         | --               | --            |
|                       | 03/15/99 | 75.29            |                  | 287.84       | 0.00                          | 71 <sup>24</sup>                      | 62 <sup>22</sup>    | 1.4        | ND         | ND         | ND               | 23            |
|                       | 03/23/99 | 75.03            |                  | 288.10       | 0.00                          | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 06/07/99 | 82.27            |                  | 280.86       | 0.00                          | 160 <sup>28</sup>                     | ND                  | ND         | ND         | ND         | ND               | 18            |
|                       | 09/03/99 | 87.49            |                  | 275.64       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 12/06/99 | DRY              |                  | --           | --                            | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 03/10/00 | 85.61            |                  | 277.52       | 0.00                          | ND                                    | ND                  | ND         | ND         | ND         | ND               | 64            |
|                       | 06/08/00 | 87.36            |                  | 275.77       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 09/25/00 | DRY              |                  | --           | --                            | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 12/19/00 | 87.73            |                  | 275.40       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 03/05/01 | 87.82            |                  | 275.31       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 06/14/01 | 87.69            |                  | 275.44       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 09/17/01 | 87.70            |                  | 275.43       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 09/25/01 | DRY              |                  | --           | --                            | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 12/17/01 | 87.74            |                  | 275.39       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
|                       | 03/15/02 | 87.72            |                  | 275.41       | 0.00                          | NOT SAMPLED DUE TO INSUFFICIENT WATER |                     |            |            |            | --               | --            |
| <br>                  |          |                  |                  |              |                               |                                       |                     |            |            |            |                  |               |
| MW-7                  |          |                  |                  |              |                               |                                       |                     |            |            |            |                  |               |
| 355.97                | 06/26/98 | --               | 55.0-75.0        | --           | --                            | --                                    | --                  | --         | --         | --         | --               | --            |
|                       | 08/18/98 | 68.75            |                  | 287.22       | 0.00                          | 1,400 <sup>20</sup>                   | 4,000               | 1,900      | 48         | 160        | ND <sup>11</sup> | 1,700         |
|                       | 09/22/98 | 66.35            |                  | 289.62       | 0.00                          | 780 <sup>20</sup>                     | 3,200               | 1,100      | ND         | 22         | ND               | 1,500         |
|                       | 12/15/98 | 65.03            |                  | 290.94       | 0.00                          | 350 <sup>21</sup>                     | 1,900 <sup>22</sup> | 180        | 2.7        | 2.9        | 3.8              | 1,400         |
|                       | 12/23/98 | 64.82            |                  | 291.15       | 0.00                          | --                                    | --                  | --         | --         | --         | --               | --            |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.)     | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)      | TPH-G<br>(ppb)       | B<br>(ppb) | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)           |                       |
|-----------------------|----------|------------------|------------------|--------------|-------------------------------|---------------------|----------------------|------------|------------------|------------------|------------------|-------------------------|-----------------------|
| MW-7<br>(cont)        | 03/15/99 | 60.44            | 55.0-75.0        | 295.53       | 0.00                          | 460 <sup>26</sup>   | 2,700                | 1,100      | ND <sup>11</sup> | 30               | 16               | 1,400/970 <sup>27</sup> |                       |
|                       | 03/23/99 | 60.43            |                  | 295.54       | 0.00                          | --                  | --                   | --         | --               | --               | --               | --                      |                       |
|                       | 06/07/99 | 64.48            |                  | 291.49       | 0.00                          | 550 <sup>25</sup>   | 2,600 <sup>29</sup>  | 180        | 21               | ND               | 13               | 1,200                   |                       |
|                       | 09/03/99 | 69.98            |                  | 285.99       | 0.00                          | 550 <sup>20</sup>   | 870 <sup>30</sup>    | 69         | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 1,100/872 <sup>27</sup> |                       |
|                       | 12/06/99 | 70.18            |                  | 285.79       | 0.00                          | 220 <sup>20</sup>   | 1,900 <sup>31</sup>  | 350        | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 1,100                   |                       |
|                       | 03/10/00 | 67.36            |                  | 288.61       | 0.00                          | 930 <sup>20</sup>   | 2,900 <sup>31</sup>  | 1,600      | ND <sup>11</sup> | 40               | 54               | 1,100                   |                       |
|                       | 06/08/00 | 69.81            |                  | 286.16       | 0.00                          | 463 <sup>20</sup>   | 625 <sup>30</sup>    | 30.8       | ND               | 0.761            | 0.940            | 1,290 <sup>35</sup>     |                       |
|                       | 09/25/00 | 70.15            |                  | 285.82       | 0.00                          | 1,810 <sup>20</sup> | 2,180 <sup>22</sup>  | 423        | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 1,510                   |                       |
|                       | 12/19/00 | 70.11            |                  | 285.86       | 0.00                          | 930 <sup>32</sup>   | 5,900 <sup>31</sup>  | 1,000      | ND <sup>11</sup> | ND <sup>11</sup> | ND <sup>11</sup> | 1,300                   |                       |
|                       | 03/05/01 | 68.72            |                  | 287.25       | 0.00                          | 801 <sup>20</sup>   | 13,200 <sup>30</sup> | 5,070      | 195              | 306              | 385              | 1,530                   |                       |
|                       | 06/14/01 | 70.00            |                  | 285.97       | 0.00                          | 710 <sup>20</sup>   | 6,400 <sup>30</sup>  | 3,300      | 85               | 96               | 170              | 1,000                   |                       |
|                       | 09/17/01 | 70.28            |                  | 285.69       | 0.00                          | 860 <sup>20</sup>   | 11,000 <sup>37</sup> | 3,000      | <50              | <50              | <50              | 750                     |                       |
|                       | 09/25/01 | 70.49            |                  | 285.48       | 0.00                          | --                  | --                   | --         | --               | --               | --               | --                      |                       |
|                       | 12/17/01 | 71.35            |                  | 284.62       | 0.00                          | 470                 | 5,800 <sup>30</sup>  | 1,100      | <10              | <10              | <10              | 760/670 <sup>27</sup>   |                       |
| 03/15/02              | 68.56    |                  | 287.41           | 0.00         | 830 <sup>38</sup>             | 2,800               | 850                  | 22         | 74               | 39               | 360              |                         |                       |
| MW-8<br>362.37        | 06/26/98 | 63.00            | 66.0-86.0        | 299.37       | 0.00                          | 80 <sup>19</sup>    | ND                   | 6.0        | ND               | ND               | ND               | 150                     |                       |
|                       | 08/18/98 | 73.38            |                  | 288.99       | 0.00                          | --                  | --                   | --         | --               | --               | --               | --                      |                       |
|                       | 09/22/98 | 70.89            |                  | 291.48       | 0.00                          | 120 <sup>20</sup>   | ND                   | ND         | ND               | ND               | ND               | 9.5                     |                       |
|                       | 12/15/98 | 70.29            |                  | 292.08       | 0.00                          | ND                  | ND                   | ND         | ND               | ND               | ND               | 3.0                     |                       |
|                       | 12/23/98 | 70.03            |                  | 292.34       | 0.00                          | --                  | --                   | --         | --               | --               | --               | --                      |                       |
|                       | 03/15/99 | UNABLE TO LOCATE |                  |              |                               | --                  | --                   | --         | --               | --               | --               | --                      |                       |
|                       | 361.83   | 03/23/99         | 64.86            |              | 296.97                        | 0.00                | 60 <sup>24</sup>     | ND         | ND               | 0.77             | ND               | 0.96                    | 190                   |
|                       |          | 06/07/99         | 68.30            |              | 293.53                        | 0.00                | ND                   | ND         | ND               | ND               | ND               | ND                      | ND                    |
|                       |          | 09/03/99         | 73.92            |              | 287.91                        | 0.00                | 130 <sup>19</sup>    | ND         | ND               | 0.57             | ND               | ND                      | 170/146 <sup>27</sup> |
|                       |          | 12/06/99         | 74.98            |              | 286.85                        | 0.00                | 160 <sup>19</sup>    | ND         | ND               | ND               | ND               | ND                      | 150                   |
|                       |          | 03/10/00         | 71.54            |              | 290.29                        | 0.00                | 61 <sup>19</sup>     | ND         | ND               | ND               | ND               | ND                      | 150                   |
| 06/08/00              |          | 72.60            |                  | 289.23       | 0.00                          | 135 <sup>20</sup>   | ND                   | ND         | ND               | ND               | ND               | 42.8                    |                       |
| 09/25/00              | 75.31    |                  | 286.52           | 0.00         | 518 <sup>20</sup>             | ND                  | ND                   | ND         | ND               | ND               | 227              |                         |                       |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE                   | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)     | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)           |
|-----------------------|------------------------|--------------|------------------|--------------|-------------------------------|--------------------|----------------|------------|------------|------------|------------|-------------------------|
| MW-8                  | 12/19/00               | 75.54        | 66.0-86.0        | 286.29       | 0.00                          | 100 <sup>19</sup>  | ND             | ND         | ND         | ND         | ND         | 160                     |
| (cont)                | 03/05/01               | 75.91        |                  | 285.92       | 0.00                          | 161 <sup>20</sup>  | ND             | ND         | ND         | ND         | ND         | 125                     |
|                       | 06/14/01               | 75.51        |                  | 286.32       | 0.00                          | 94 <sup>20</sup>   | ND             | ND         | ND         | ND         | ND         | 140                     |
|                       | 09/17/01               | 77.19        |                  | 284.64       | 0.00                          | 60 <sup>20</sup>   | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 110                     |
|                       | 09/25/01               | 77.17        |                  | 284.66       | 0.00                          | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 12/17/01               | 79.94        |                  | 281.89       | 0.00                          | <52                | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 140/170 <sup>27</sup>   |
|                       | 03/15/02               | 76.82        |                  | 285.01       | 0.00                          | 69 <sup>38</sup>   | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 72                      |
| <b>MW-9</b>           |                        |              |                  |              |                               |                    |                |            |            |            |            |                         |
| 354.85                | 11/29/99               | 74.50        | --               | 280.35       | 0.00                          | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 12/06/99               | 74.35        |                  | 280.50       | 0.00                          | ND                 | ND             | ND         | ND         | ND         | ND         | 3.0/2.7 <sup>27</sup>   |
|                       | 03/10/00               | 65.94        |                  | 288.91       | 0.00                          | 150 <sup>19</sup>  | ND             | ND         | ND         | ND         | ND         | 2.5                     |
|                       | 06/08/00               | 70.77        |                  | 284.08       | 0.00                          | 67.8 <sup>20</sup> | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 09/25/00               | 74.75        |                  | 280.10       | 0.00                          | 903 <sup>20</sup>  | ND             | ND         | 0.516      | ND         | ND         | 10.5                    |
|                       | 12/19/00               | 74.43        |                  | 280.42       | 0.00                          | ND                 | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 03/05/01               | 74.63        |                  | 280.22       | 0.00                          | 96.5 <sup>20</sup> | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 06/14/01               | 74.75        |                  | 280.10       | 0.00                          | ND                 | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 09/17/01               | 74.78        |                  | 280.07       | 0.00                          | <50                | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5                    |
|                       | 09/25/01               | 74.83        |                  | 280.02       | 0.00                          | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 12/17/01               | 74.80        |                  | 280.05       | 0.00                          | <52                | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <5.0/<1.0 <sup>27</sup> |
|                       | 03/15/02               | 74.83        |                  | 280.02       | 0.00                          | <51                | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5                    |
| <b>MW-10</b>          |                        |              |                  |              |                               |                    |                |            |            |            |            |                         |
| 362.62                | 11/29/99               | DRY          | --               | --           | --                            | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 12/06/99               | DRY          |                  | --           | --                            | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 03/10/00 <sup>33</sup> | 85.04        |                  | 277.58       | 0.00                          | 78 <sup>20</sup>   | ND             | ND         | ND         | ND         | ND         | 130/150 <sup>27</sup>   |
|                       | 06/08/00               | DRY          |                  | --           | --                            | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 09/25/00               | DRY          |                  | --           | --                            | --                 | --             | --         | --         | --         | --         | --                      |
|                       | 12/19/00               | DRY          |                  | --           | --                            | --                 | --             | --         | --         | --         | --         | --                      |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #7376  
4191 First Street  
Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb)    | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)           |
|-----------------------|----------|--------------|------------------|--------------|-------------------------------|-------------------|----------------|------------|------------|------------|------------|-------------------------|
| MW-10                 | 03/05/01 | DRY          | --               | --           | --                            | --                | --             | --         | --         | --         | --         | --                      |
| (cont)                | 06/14/01 | DRY          | --               | --           | --                            | --                | --             | --         | --         | --         | --         | --                      |
|                       | 09/17/01 | DRY          | --               | --           | --                            | --                | --             | --         | --         | --         | --         | --                      |
|                       | 09/25/01 | DRY          | --               | --           | --                            | --                | --             | --         | --         | --         | --         | --                      |
|                       | 12/17/01 | DRY          | --               | --           | --                            | --                | --             | --         | --         | --         | --         | --                      |
|                       | 03/15/02 | DRY          | --               | --           | --                            | --                | --             | --         | --         | --         | --         | --                      |
| <b>MW-11</b>          |          |              |                  |              |                               |                   |                |            |            |            |            |                         |
| 354.66                | 09/25/01 | 81.24        | --               | 273.42       | 0.00                          | <50               | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 9.0                     |
|                       | 12/17/01 | 80.47        | --               | 274.19       | 0.00                          | 110               | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 10/14 <sup>27</sup>     |
|                       | 03/15/02 | 79.42        | --               | 275.24       | 0.00                          | 140 <sup>38</sup> | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 7.6                     |
| <b>MW-12</b>          |          |              |                  |              |                               |                   |                |            |            |            |            |                         |
| 354.08                | 09/25/01 | 80.78        | --               | 273.30       | 0.00                          | <50               | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5                    |
|                       | 12/17/01 | 80.02        | --               | 274.06       | 0.00                          | 77                | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <5.0/<1.0 <sup>27</sup> |
|                       | 03/15/02 | 78.88        | --               | 275.20       | 0.00                          | <51               | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5                    |
| <b>Trip Blank</b>     |          |              |                  |              |                               |                   |                |            |            |            |            |                         |
| TB-LB                 | 03/16/98 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 06/26/98 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 08/18/98 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 09/22/98 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 12/15/98 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 12/23/98 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 03/15/99 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 03/23/99 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 06/07/99 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |
|                       | 09/03/99 | --           | --               | --           | --                            | --                | ND             | ND         | ND         | ND         | ND         | ND                      |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID/<br>TOC*(ft.) | DATE     | DTW<br>(ft.) | S.I.<br>(ft.bgs) | GWE<br>(msl) | Product<br>Thickness<br>(ft.) | TPH-D<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) |
|-----------------------|----------|--------------|------------------|--------------|-------------------------------|----------------|----------------|------------|------------|------------|------------|---------------|
| TB-LB                 | 12/06/99 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
| (cont)                | 03/10/00 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
|                       | 06/08/00 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
|                       | 09/25/00 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
|                       | 12/19/00 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
|                       | 03/05/01 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
|                       | 06/14/01 | --           | --               | --           | --                            | --             | ND             | ND         | ND         | ND         | ND         | ND            |
|                       | 09/17/01 | --           | --               | --           | --                            | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          |
|                       | 09/25/01 | --           | --               | --           | --                            | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          |
|                       | 12/17/01 | --           | --               | --           | --                            | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <5.0          |
|                       | 03/15/02 | --           | --               | --           | --                            | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to March 16, 1998, were compiled from reports prepared by MPDS Services, Inc.

|                                      |  |                                |
|--------------------------------------|--|--------------------------------|
| TOC = Top of Casing                  | TPH-D = Total Petroleum Hydrocarbons as Diesel   | (ppb) = Parts per billion      |
| DTW = Depth to Water                 | TPH-G = Total Petroleum Hydrocarbons as Gasoline | ND = Not Detected              |
| (ft.) = Feet                         | B = Benzene                                      | -- = Not Measured/Not Analyzed |
| S.I. = Screen Interval               | T = Toluene                                      | NP = No Purge                  |
| (ft.bgs) = Feet Below Ground Surface | E = Ethylbenzene                                 |                                |
| GWE = Groundwater Elevation          | X = Xylenes                                      |                                |
| (msl) = Mean sea level               | MTBE = Methyl tertiary butyl ether               |                                |

\* TOC elevations were re-surveyed September 22, 2001, using the previous measurement references, (Benchmark Elevation = 353.92 feet, NGVD 29). On March 22, 1999, MW-8 was re-surveyed and on November 26, 1999, MW-9 and MW-10 were surveyed, the Benchmark was a cut "+" on a concrete transformer pad on the north side of the property to the northwest, (Elevation = 353.92 feet, msl).

TOC elevations have been surveyed relative to msl per City of Pleasanton Benchmark V1, a brass disk on the north curb of Ray Street, approximately 200 feet northwest of the centerline of First Street (Elevation = 367.17 feet msl).

\*\* GWE corrected for the presence of free product; correction factor:  $[(TOC - DTW) + (Product\ Thickness \times 0.77)]$ .

\*\*\* GWE corrected for the presence of free product; correction factor:  $[(TOC - DTW) + (Product\ Thickness \times 0.75)]$ .

- 1 1,2-Dichloroethene (1,2-DCE) was detected at a concentration of 18 ppb.
- 2 Reported as Total Extractable Hydrocarbons (TEH).
- 3 Reported as Total Petroleum Hydrocarbons (TPH).
- 4 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- 5 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 6 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 7 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.
- 8 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 9 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 10 Laboratory report indicates diesel and unidentified hydrocarbons >C16.
- 11 Detection limit raised. Refer to analytical reports.
- 12 Laboratory report indicates gasoline and unidentified hydrocarbons <C7.
- 13 Laboratory report indicates discrete peaks.
- 14 Laboratory report indicates diesel and unidentified hydrocarbons >C20.
- 15 Laboratory report indicates discrete peaks and unidentified hydrocarbons <C7.
- 16 Laboratory report indicates diesel and unidentified hydrocarbons <C15.



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #7376  
4191 First Street  
Pleasanton, California

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**EXPLANATIONS: (cont)**

- 17 Laboratory report indicates diesel and unidentified hydrocarbons <C15 and >C20.
- 18 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.
- 19 Laboratory report indicates unidentified hydrocarbons >C16.
- 20 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 21 Laboratory report indicates diesel and unidentified hydrocarbons <C12.
- 22 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 23 Laboratory report indicates unidentified hydrocarbons C6-C9.
- 24 Laboratory report indicates unidentified hydrocarbons >C14.
- 25 Laboratory report indicates unidentified hydrocarbons >C10.
- 26 Laboratory report indicates unidentified hydrocarbons >C9.
- 27 MTBE by EPA Method 8260.
- 28 Laboratory report indicates unidentified hydrocarbons >C15.
- 29 Laboratory report indicates gasoline and unidentified hydrocarbons >C6.
- 30 Laboratory report indicates gasoline C6-C12.
- 31 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.
- 32 Laboratory report indicates unidentified hydrocarbons C9-C40.
- 33 Well re-developed.
- 34 The diesel container for MW-2 was broken at lab, therefore; unable to report diesel result.
- 35 Laboratory report indicates unidentified hydrocarbons <C16.
- 36 Laboratory was unable to report diesel result due to insufficient amount of sample.
- 37 Laboratory report indicates unidentified hydrocarbons C6-C10.
- 38 Laboratory report indicates unidentified hydrocarbons C10-C28.

**Table 2**  
**Product Thickness/Removal Data**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| <b>WELL ID</b> | <b>DATE</b> | <b>DTW<br/>(ft.)</b> | <b>Product<br/>Thickness<br/>(ft.)</b> | <b>Amount Bailed<br/>(Product + Water)<br/>(gallons)</b> |
|----------------|-------------|----------------------|--|--|
| MW-5           | 03/07/97    | 56.30                | Sheen                                  | --   |
|                | 06/27/97    | 68.88                | 0.90                                   | --   |
|                | 09/29/97    | 69.47                | 0.35                                   | --   |
|                | 12/15/97    | 64.92                | 0.30                                   | --   |
|                | 03/16/98    | 49.63                | 0.09                                   | 0.25   |
|                | 06/26/98    | 63.00                | Sheen                                  | --   |
|                | 08/18/98    | 70.40                | 0.005                                  | --   |
|                | 09/22/98    | 69.10                | 0.06                                   | --   |
|                | 12/15/98    | 68.84                | 0.17                                   | --   |
|                | 12/23/98    | 68.42                | 0.50                                   | --   |
|                | 03/15/99    | 63.81                | 0.25                                   | 0.13   |
|                | 03/23/99    | 63.59                | 0.13                                   | 0.00   |
|                | 06/07/99    | 68.25                | 0.82                                   | 0.94   |
|                | 09/03/99    | 69.38                | 0.70                                   | 0.078  |
|                | 12/06/99    | 70.02                | 0.82                                   | 0.00   |
|                | 03/10/00    | 64.56                | 0.64                                   | 0.00   |
|                | 06/08/00    | 66.47                | 0.51                                   | 0.00   |
|                | 09/25/00    | 69.02                | 0.60                                   | 0.00   |
|                | 12/19/00    | 68.31                | 0.14                                   | 0.00   |
|                | 03/05/01    | 64.19                | 0.08                                   | 0.00   |
|                | 06/14/01    | 64.02                | 0.11                                   | 0.00   |
|                | 09/17/01    | 72.07                | 0.04                                   | 0.00   |
|                | 09/25/01    | 72.17                | 0.03                                   | 0.00   |
|                | 12/17/01    | 72.11                | 0.03                                   | 0.00   |
|                | 03/15/02    | 66.93                | 0.22                                   | 0.00   |

**EXPLANATIONS:**

Product thickness/removal data prior to March 16, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to water

(ft.) = Feet

-- = Not Measured/Not Available

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID | DATE     | ETHANOL<br>(ppb)                                | TBA<br>(ppb)    | MTBE<br>(ppb)      | DIPE<br>(ppb)   | ETBE<br>(ppb)   | TAME<br>(ppb)   | 1,2-DCA<br>(ppb) | EDB<br>(ppb) |
|---------|----------|---|-----------------|--------------------|-----------------|-----------------|-----------------|------------------|--------------|
| MW-1    | 09/03/99 | ND  | ND              | 55.2               | ND              | ND              | ND              | --               | --           |
|         | 12/17/01 | <1,000  | <40             | 240                | <2.0            | <2.0            | <2.0            | <2.0             | <2.0         |
| MW-2B   | 03/15/99 | ND  | 3,800           | 4,800              | 13              | ND              | ND              | --               | --           |
|         | 09/03/99 | ND <sup>2</sup>                                 | 3,480           | 4,400              | ND <sup>2</sup> | ND <sup>2</sup> | ND <sup>2</sup> | --               | --           |
|         | 12/17/01 | DRY   | --              | --                 | --              | --              | --              | --               | --           |
| MW-3    | 09/03/99 | ND  | ND              | 82.4               | ND              | ND              | ND              | --               | --           |
|         | 12/17/01 | <500  | 26              | 91                 | <1.0            | <1.0            | <1.0            | <1.0             | <1.0         |
| MW-4    | 09/03/99 | ND  | ND              | ND                 | ND              | ND              | ND              | --               | --           |
|         | 12/17/01 | DRY   | --              | --                 | --              | --              | --              | --               | --           |
| MW-5    | 06/07/99 | ND <sup>2</sup>                                 | ND <sup>2</sup> | 4,000 <sup>1</sup> | ND <sup>2</sup> | ND <sup>2</sup> | ND <sup>2</sup> | --               | --           |
|         | 09/03/99 | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                 |                    |                 | --              | --              | --               | --           |
|         | 12/17/01 | NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT |                 |                    |                 | --              | --              | --               | --           |
| MW-6    | 12/14/01 | NOT SAMPLED DUE TO INSUFFICIENT WATER           |                 |                    |                 | --              | --              | --               | --           |
| MW-7    | 03/15/99 | ND  | 610             | 970                | 4.3             | ND              | ND              | --               | --           |
|         | 09/03/99 | ND <sup>2</sup>                                 | 460             | 872                | 4.36            | ND <sup>2</sup> | ND <sup>2</sup> | --               | --           |
|         | 12/17/01 | <5,000  | <200            | 670                | <10             | <10             | <10             | <10              | <10          |
| MW-8    | 09/03/99 | ND  | ND              | 146                | 12.4            | ND              | ND              | --               | --           |
|         | 12/17/01 | <500  | 77              | 170                | 9.8             | <1.0            | <1.0            | <1.0             | <1.0         |

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #7376  
 4191 First Street  
 Pleasanton, California

| WELL ID | DATE     | ETHANOL<br>(ppb) | TBA<br>(ppb) | MTBE<br>(ppb) | DIPE<br>(ppb) | ETBE<br>(ppb) | TAME<br>(ppb) | 1,2-DCA<br>(ppb) | EDB<br>(ppb) |
|---------|----------|------------------|--------------|---------------|---------------|---------------|---------------|------------------|--------------|
| MW-9    | 12/06/99 | --               | ND           | 2.7           | ND            | ND            | ND            | ND               | ND           |
|         | 12/17/01 | <500             | <20          | <1.0          | <1.0          | <1.0          | <1.0          | <1.0             | <1.0         |
| MW-10   | 03/10/00 | --               | ND           | 150           | ND            | ND            | ND            | 22               | ND           |
|         | 12/17/01 | DRY              | --           | --            | --            | --            | --            | --               | --           |
| MW-11   | 12/17/01 | <500             | <20          | 14            | <1.0          | <1.0          | <1.0          | <1.0             | <1.0         |
| MW-12   | 12/17/01 | <500             | <20          | <1.0          | <1.0          | <1.0          | <1.0          | <1.0             | <1.0         |

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Tosco (Unocal) Service Station #7376  
4191 First Street  
Pleasanton, California

**EXPLANATIONS:**

TBA = Tertiary butyl alcohol  
MTBE = Methyl tertiary butyl ether  
DIPE = Di-isopropyl ether  
ETBE = Ethyl tertiary butyl ether  
TAME = Tertiary amyl methyl ether  
1,2-DCA = Dichloroethane  
EDB = 1,2-Dibromoethane  
(ppb) = Parts per billion  
ND = Not Detected  
-- = Not Analyzed

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

- <sup>1</sup> Laboratory results indicate sample contains high concentration of Hexane.
- <sup>2</sup> Detection limit raised. Refer to analytical reports.

## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Vartkes

Well ID MW-1 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 86.45 ft.  
Depth to Water 79.51 ft.

|             |           |            |           |
|-------------|-----------|------------|-----------|
| Volume      | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
| Factor (VF) | 6" = 1.50 | 12" = 5.80 |           |

69.4 x VF 0.17 = 1.17 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1015 Weather Conditions: ptly cloudy  
Sampling Time: 1045 Water Color: clear Odor: no  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>1022</u> | <u>1</u>      | <u>7.64</u> | <u>834</u>                 | <u>67.3</u>              |             |          |                  |
| <u>1029</u> | <u>2</u>      | <u>7.50</u> | <u>820</u>                 | <u>68.0</u>              |             |          |                  |
| <u>1038</u> | <u>3.5</u>    | <u>7.47</u> | <u>813</u>                 | <u>68.3</u>              |             |          |                  |
| _____       | _____         | _____       | _____                      | _____                    | _____       | _____    | _____            |
| _____       | _____         | _____       | _____                      | _____                    | _____       | _____    | _____            |

**LABORATORY INFORMATION**

| SAMPLE ID   | (#) CONTAINER       | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|-------------|---------------------|----------|---------------|----------------|-------------------------|
| <u>MW-1</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe</u> |
| <u>11</u>   | <u>1 Amber</u>      | <u>-</u> | <u>NONE</u>   | <u>-</u>       | <u>TPH-D</u>            |
| _____       | _____               | _____    | _____         | _____          | _____                   |
| _____       | _____               | _____    | _____         | _____          | _____                   |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Narkes

Well ID MW-2B Well Condition: Inaccessible  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 85.25 ft.  
Depth to Water \_\_\_\_\_ ft.

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
Sampling Time: \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|----|----------------------------|--------------------------|-------------|----------|------------------|
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES         |
|-----------|---------------|---------|---------------|------------|------------------|
|           | X VOA VIAL    | Y       | HCL           | SEQUOIA    | TPH(G)/btex/mtbe |
|           |               |         |               |            |                  |
|           |               |         |               |            |                  |
|           |               |         |               |            |                  |

COMMENTS: parked over.



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Varthos

Well ID MW-3 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 94.10 ft.  
Depth to Water 83.27 ft.

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

10.83 x VF 0.17 = 1.84 x 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 1530 Weather Conditions: ptly cldy  
Sampling Time: 1555 Water Color: clear Odor: 0  
Purging Flow Rate: 1 gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>1532</u> | <u>2</u>      | <u>7.50</u> | <u>1027</u>                | <u>69.4</u>              |             |          |                  |
| <u>1534</u> | <u>4</u>      | <u>7.34</u> | <u>1013</u>                | <u>69.0</u>              |             |          |                  |
| <u>1536</u> | <u>5.5</u>    | <u>7.31</u> | <u>1010</u>                | <u>69.1</u>              |             |          |                  |
|             |               |             |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID   | (#): CONTAINER      | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|-------------|---------------------|----------|---------------|----------------|-------------------------|
| <u>MW-3</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe</u> |
| <u>~</u>    | <u>1 Amber</u>      | <u>~</u> | <u>None</u>   | <u>~</u>       | <u>TPH-D</u>            |
|             |                     |          |               |                |                         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Watkes

Well ID MW-4 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): D (Gallons)  
Total Depth 92.85 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
Depth to Water DRY ft. Factor (VF) 6" = 1.50 12" = 5.80

         X VF          =          X 3 (case volume) = Estimated Purge Volume:          (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other:         

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other:         

Starting Time:          Weather Conditions:           
Sampling Time:          Water Color:          Odor:           
Purging Flow Rate:          gpm. Sediment Description:           
Did well de-water?          If yes; Time:          Volume:          (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|----|----------------------------|--------------------------|-------------|----------|------------------|
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) - CONTAINER   | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|-----------|-------------------|----------|---------------|----------------|-------------------------|
|           | <u>X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/bTEX/mtbe</u> |
|           |                   |          |               |                |                         |
|           |                   |          |               |                |                         |
|           |                   |          |               |                |                         |

COMMENTS:

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/Facility# Tosco #7376 Job#: 180075.85  
 Address: 4191 First Street Date: 3/15/02  
 City: Pleasanton, CA Sampler: Varkas

Well ID: MW-5  
 Well Diameter: 2 in.  
 Total Depth: 72.50 ft.  
 Depth to Water: 66.93 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0.22 (feet)  
 Amount Bailed (product/water): 0 (Gallons)  
 Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

       X VF        =        X 3 (case volume) = Estimated Purge Volume:        (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other:       

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other:       

Starting Time:        Weather Conditions:         
 Sampling Time:        Water Color:        Odor:         
 Purging Flow Rate:        gpm. Sediment Description:         
 Did well de-water?        If yes; Time:        Volume:        (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu$ mhos/cm | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|----|----------------------------|----------------|-------------|----------|------------------|
|      |               |    |                            |                |             |          |                  |
|      |               |    |                            |                |             |          |                  |
|      |               |    |                            |                |             |          |                  |
|      |               |    |                            |                |             |          |                  |
|      |               |    |                            |                |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES          |
|-----------|-----------------|---------|---------------|------------|-------------------|
|           | X VOA VIAL      | Y       | HCL           | SEQUOIA    | TPH(GI)/btex/mtbe |
|           |                 |         |               |            |                   |
|           |                 |         |               |            |                   |

COMMENTS: Not Sampled due to the presence of Free Product.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Vantky

Well ID MW-6 Well Condition: DN  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 88.00 ft.  
Depth to Water 87.72 ft.

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

         X VF          =          X 3 (case volume) = Estimated Purge Volume:          (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other:         

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other:         

Starting Time:          Weather Conditions:           
Sampling Time:          Water Color:          Odor:           
Purging Flow Rate:          gpm. Sediment Description:           
Did well de-water?          If yes; Time:          Volume:          (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|----|----------------------------|--------------------------|-------------|----------|------------------|
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES         |
|-----------|-----------------|---------|---------------|------------|------------------|
|           | X VOA VIAL      | Y       | HCL           | SEQUOIA    | TPH(G)/btex/mtbe |
|           |                 |         |               |            |                  |
|           |                 |         |               |            |                  |
|           |                 |         |               |            |                  |

COMMENTS: Insufficient water to sample.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Vastkos

Well ID MW-7 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.20 (feet) (product/water): 7 (Gallons)  
Total Depth 76.80 ft.  
Depth to Water 68.56 ft.

|             |           |            |           |
|-------------|-----------|------------|-----------|
| Volume      | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
| Factor (VF) | 6" = 1.50 | 12" = 5.80 |           |

8.24 X VF 0.17 = 1.40 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: Disposable Bailer Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1440 Weather Conditions: ptly cldy  
Sampling Time: 1510 Water Color: brn. Odor: y  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: silt  
Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>1448</u> | <u>1.</u>     | <u>7.46</u> | <u>1144</u>                | <u>68.1</u>              |             |          |                  |
| <u>1455</u> | <u>3</u>      | <u>7.30</u> | <u>1133</u>                | <u>68.7</u>              |             |          |                  |
| <u>1505</u> | <u>4.5</u>    | <u>7.23</u> | <u>1127</u>                | <u>68.8</u>              |             |          |                  |
|             |               |             |                            |                          |             |          |                  |
|             |               |             |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID   | (#) - CONTAINER     | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|-------------|---------------------|----------|---------------|----------------|-------------------------|
| <u>MW-7</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe</u> |
| <u>~</u>    | <u>1 Amber</u>      | <u>~</u> | <u>NONE</u>   | <u>~</u>       | <u>TPH-D</u>            |
|             |                     |          |               |                |                         |
|             |                     |          |               |                |                         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/Facility # Tosco #7376 Job#: 180075.85  
 Address: 4191 First Street Date: 3/15/02  
 City: Pleasanton, CA Sampler: Vortex

Well ID MW-8 Well Condition: OK  
 Well Diameter 2 in. Hydrocarbon Amount Bailed  
 Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
 Total Depth 84.50 ft.  
 Depth to Water 76.82 ft.

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

76.8 x VF 0.17 = 1.30 x 3 (case volume) = Estimated Purge Volume: 4.0 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 1256 Weather Conditions: pty cld  
 Sampling Time: 1327 Water Color: brn Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: slt  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>1305</u> | <u>1.5</u>    | <u>7.67</u> | <u>848</u>                 | <u>68.2</u>              |             |          |                  |
| <u>1313</u> | <u>3</u>      | <u>7.50</u> | <u>841</u>                 | <u>68.7</u>              |             |          |                  |
| <u>1322</u> | <u>4</u>      | <u>7.47</u> | <u>836</u>                 | <u>68.9</u>              |             |          |                  |
|             |               |             |                            |                          |             |          |                  |
|             |               |             |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID   | (#) - CONTAINER     | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|-------------|---------------------|----------|---------------|----------------|-------------------------|
| <u>MW-8</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe</u> |
| <u>u</u>    | <u>1 Amber</u>      | <u>u</u> | <u>NONE</u>   | <u>u</u>       | <u>TPH-D</u>            |
|             |                     |          |               |                |                         |
|             |                     |          |               |                |                         |

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/Facility # Tosco #7376 Job#: 180075.85  
 Address: 4191 First Street Date: 3/15/02  
 City: Pleasanton, CA Sampler: Partter

Well ID MW-9  
 Well Diameter 2 in.  
 Total Depth 78.05 ft.  
 Depth to Water 74.83 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)  
 Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
 6" = 1.50 12" = 5.80

3.22 x VF 0.17 = 0.54 x 3 (case volume) = Estimated Purge Volume: 2 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 1355  
 Sampling Time: 1420  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? no

Weather Conditions: ptly cloudy  
 Water Color: brn. Odor: no  
 Sediment Description: silt  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu\text{mhos/cm}$ | Temperature $^{\circ}\text{F}$ | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------------|--------------------------------|-------------|----------|------------------|
| <u>1359</u> | <u>0.5</u>    | <u>7.67</u> | <u>718</u>                       | <u>67.8</u>                    |             |          |                  |
| <u>1405</u> | <u>1</u>      | <u>7.52</u> | <u>707</u>                       | <u>68.2</u>                    |             |          |                  |
| <u>1415</u> | <u>2</u>      | <u>7.48</u> | <u>711</u>                       | <u>68.5</u>                    |             |          |                  |
|             |               |             |                                  |                                |             |          |                  |
|             |               |             |                                  |                                |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID   | (#): CONTAINER      | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                 |
|-------------|---------------------|----------|---------------|----------------|--------------------------|
| <u>MW-9</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(GI)/btex/mtbe</u> |
| <u>11</u>   | <u>1 Amber</u>      | <u>~</u> | <u>NONE</u>   | <u>~</u>       | <u>TPH-D</u>             |
|             |                     |          |               |                |                          |
|             |                     |          |               |                |                          |

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Watkins

Well ID MW-10 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 93.40 ft.  
Depth to Water DRY ft.

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
Sampling Time: \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|----|----------------------------|--------------------------|-------------|----------|------------------|
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES         |
|-----------|-----------------|---------|---------------|------------|------------------|
|           | X VOA VIAL      | Y       | HCL           | SEQUOIA    | TPH(G)/btex/mtbe |
|           |                 |         |               |            |                  |
|           |                 |         |               |            |                  |
|           |                 |         |               |            |                  |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Vaethen

Well ID MW-11 Well Condition: on  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 86.33 ft.  
Depth to Water 79.42 ft.

|             |           |            |           |
|-------------|-----------|------------|-----------|
| Volume      | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
| Factor (VF) | 6" = 1.50 | 12" = 5.80 |           |

6.91 x VF 0.17 = 1.17 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1200 Weather Conditions: pty cldy  
Sampling Time: 1240 Water Color: brc. Odor: no  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: slt  
Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>1208</u> | <u>1</u>      | <u>7.57</u> | <u>688</u>                 | <u>68.1</u>              |             |          |                  |
| <u>1215</u> | <u>?</u>      | <u>7.42</u> | <u>680</u>                 | <u>68.6</u>              |             |          |                  |
| <u>1234</u> | <u>3.5</u>    | <u>7.40</u> | <u>674</u>                 | <u>68.9</u>              |             |          |                  |
| _____       | _____         | _____       | _____                      | _____                    | _____       | _____    | _____            |
| _____       | _____         | _____       | _____                      | _____                    | _____       | _____    | _____            |

**LABORATORY INFORMATION**

| SAMPLE ID    | (#): CONTAINER      | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|--------------|---------------------|----------|---------------|----------------|-------------------------|
| <u>MW-11</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe</u> |
| <u>"</u>     | <u>1 Amber</u>      | <u>"</u> | <u>NONE</u>   | <u>"</u>       | <u>TPH-D</u>            |
| _____        | _____               | _____    | _____         | _____          | _____                   |
| _____        | _____               | _____    | _____         | _____          | _____                   |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco #7376 Job#: 180075.85  
Address: 4191 First Street Date: 3/15/02  
City: Pleasanton, CA Sampler: Vastke

Well ID MW-12 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 89.33 ft.  
Depth to Water 78.88 ft.

|             |           |            |           |
|-------------|-----------|------------|-----------|
| Volume      | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
| Factor (VF) | 6" = 1.50 | 12" = 5.80 |           |

10.45 x VF 0.17 = 1.77 x 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_  
Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1116 Weather Conditions: ptly cldy  
Sampling Time: 1145 Water Color: brn. Odor: NO  
Purging Flow Rate: 0.5 gpm. Sediment Description: Silt  
Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time        | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>1120</u> | <u>2</u>      | <u>7.66</u> | <u>744</u>                 | <u>68.1</u>              |             |          |                  |
| <u>1124</u> | <u>4</u>      | <u>7.51</u> | <u>735</u>                 | <u>68.5</u>              |             |          |                  |
| <u>1127</u> | <u>5.5</u>    | <u>7.46</u> | <u>729</u>                 | <u>68.8</u>              |             |          |                  |
|             |               |             |                            |                          |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID    | (#) CONTAINER       | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES                |
|--------------|---------------------|----------|---------------|----------------|-------------------------|
| <u>MW-12</u> | <u>3 X VOA VIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe</u> |
| <u>1</u>     | <u>1 A-2er</u>      | <u>~</u> | <u>NONE</u>   | <u>~</u>       | <u>TPH-D</u>            |
|              |                     |          |               |                |                         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



TOSCO

Tosco Marketing Company  
2000 East Canyon Pl., Ste. 300  
San Ramon, California 94583

Facility Number TOSCO (UNOCAL) SSF 1316  
Facility Address 4191 First Street, Pleasanton, CA

Consultant Project Number 180075.85  
Consultant Name Gettler-Ryan Inc. (G-R Inc.)

Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568

Project Contact (Name) Deanna L. Harding  
(Phone) (925) 551-7555 (Fax Number) 925-551-7899

Contact (Name) MR. Dave DeWitt  
(Phone) 925-277-2384

Laboratory Name Sequoia Analytical  
Laboratory Release Number \_\_\_\_\_  
Samples Collected by (Name) Vartha Tashjian  
Collection Date 3/15/02  
Signature [Signature]

| Sample Number | Lab Sample Number | Number of Containers | Matrix<br>S = Soil<br>W = Water<br>A = Air<br>C = Charcoal | Type<br>G = Grab<br>C = Composite<br>D = Discrete | Time | Sample Preservation | Lead (Yes or No) | Analysis To Be Performed       |                  |                       |                              |                            |                           |                             |  |  |  | DO NOT BILL<br>TB-LB ANALYSIS |  |  |  |  |  |  |         |
|---------------|-------------------|----------------------|--|---|------|---------------------|------------------|--------------------------------|------------------|-----------------------|------------------------------|----------------------------|---------------------------|-----------------------------|--|--|--|-------------------------------|--|--|--|--|--|--|---------|
|               |                   |                      |  |   |      |                     |                  | TPH Gas + STPC volatile (6011) | TPH Phase (6015) | Oil and Grease (6600) | Purgeable Halocarbons (6010) | Purgeable Aromatics (6020) | Purgeable Organics (6030) | Extractable Organics (6070) | Metals<br>Cd, Cr, Pb, Zn, Ni<br>(ICAP or AA) |  |  |                               |  |  |  |  |  |  |         |
| TB-LB         | 01                | 1                    | W  | G   |      | HCl                 | Y                | X                              |                  |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |
| MW-1          | 02                | 4                    | W  | —   | 1045 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |
| MW-3          | 03                | 4                    | W  | —   | 1555 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  | 1203067 |
| MW-7          | 04                | 4                    | W  | —   | 1510 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |
| MW-8          | 05                | 4                    | W  | —   | 1327 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |
| MW-9          | 06                | 4                    | W  | —   | 1420 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |
| MW-11         | 07                | 4                    | W  | —   | 1240 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |
| MW-12         | 08                | 4                    | W  | —   | 1145 | —                   | —                | X                              | X                |                       |                              |                            |                           |                             |  |  |  |                               |  |  |  |  |  |  |         |

|   |   |                      |   |                           |                      |  |
|---|---|----------------------|---|---------------------------|----------------------|--|
| Relinquished By (Signature)<br><u>[Signature]</u> | Organization<br>G-R Inc.                          | Date/Time<br>3/15/02 | Received By (Signature)<br><u>[Signature]</u> | Organization<br>SEQ ANAL. | Date/Time<br>3-15-02 | Turn Around Time (Circle Choice)<br>24 Hrs.<br>48 Hrs.<br>5 Days<br>10 Days<br>As Contracted |
|   | Relinquished By (Signature)<br><u>[Signature]</u> | Organization         | Date/Time                                     | Received By (Signature)   | Date/Time            |  |
| Relinquished By (Signature)<br><u>[Signature]</u> | Organization                                      | Date/Time            | Received For Laboratory By (Signature)        |                           | Date/Time            |  |



**Sequoia  
Analytical**

1551 Industrial Road  
San Carlos, CA 94070  
(650) 232-9600  
FAX (650) 232-9612  
www.sequoialabs.com

1 April, 2002

Deanna Harding  
Gettler-Ryan/Geostrategies(1)  
6747 Sierra Court, Suite J  
Dublin, CA 94568

RECEIVED  
RECEIVED

APR 1 2002

RE: Tosco(1)  
Sequoia Report: L203067

GETTLER-RYAN INC.  
GENERAL CONTRACTOR

Enclosed are the results of analyses for samples received by the laboratory on 03/15/02 17:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson  
Project Manager

CA ELAP Certificate #2360



Gettler-Ryan/Geostrategies(1)  
6747 Sierra Court, Suite J  
Dublin CA, 94568

Project: Tosco(1)  
Project Number: SS#7376; 4191 First St., Pleasanton  
Project Manager: Deanna Harding

**Reported:**  
04/01/02 16:26

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| TB-LB     | L203067-01    | Water  | 03/15/02 00:00 | 03/15/02 17:40 |
| MW-1      | L203067-02    | Water  | 03/15/02 10:45 | 03/15/02 17:40 |
| MW-3      | L203067-03    | Water  | 03/15/02 15:55 | 03/15/02 17:40 |
| MW-7      | L203067-04    | Water  | 03/15/02 15:10 | 03/15/02 17:40 |
| MW-8      | L203067-05    | Water  | 03/15/02 13:27 | 03/15/02 17:40 |
| MW-9      | L203067-06    | Water  | 03/15/02 14:20 | 03/15/02 17:40 |
| MW-11     | L203067-07    | Water  | 03/15/02 12:40 | 03/15/02 17:40 |
| MW-12     | L203067-08    | Water  | 03/15/02 11:45 | 03/15/02 17:40 |

Sequoia Analytical - San Carlos

Wayne Stevenson, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

 Project: Tosco(1)  
 Project Number: SS#7376; 4191 First St., Pleasanton  
 Project Manager: Deanna Harding

**Reported:**  
 04/01/02 16:26

### Diesel Hydrocarbons (C10-C28) by 8015B modified Sequoia Analytical - Morgan Hill

| Analyte  | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method | Notes |
|--|--------|--------------------|--------|----------|---------|----------|----------|--------|-------|
| <b>MW-1 (L203067-02) Water</b> Sampled: 03/15/02 10:45 Received: 03/15/02 17:40  |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | ND     | 52                 | ug/l   | 1        | 2C22025 | 03/22/02 | 03/31/02 | 8015Bm |       |
| Surrogate: n-Octacosane  |        | 105 %              | 50-150 |          | "       | "        | "        | "      |       |
| <b>MW-3 (L203067-03) Water</b> Sampled: 03/15/02 15:55 Received: 03/15/02 17:40  |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | 3600   | 200                | ug/l   | 4        | 2C22025 | 03/22/02 | 04/01/02 | 8015Bm | D-15  |
| Surrogate: n-Octacosane  |        | 120 %              | 50-150 |          | "       | "        | "        | "      |       |
| <b>MW-7 (L203067-04) Water</b> Sampled: 03/15/02 15:10 Received: 03/15/02 17:40  |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | 830    | 52                 | ug/l   | 1        | 2C22025 | 03/22/02 | 03/31/02 | 8015Bm | D-15  |
| Surrogate: n-Octacosane  |        | 98.8 %             | 50-150 |          | "       | "        | "        | "      |       |
| <b>MW-8 (L203067-05) Water</b> Sampled: 03/15/02 13:27 Received: 03/15/02 17:40  |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | 69     | 52                 | ug/l   | 1        | 2C22025 | 03/22/02 | 03/31/02 | 8015Bm | D-15  |
| Surrogate: n-Octacosane  |        | 103 %              | 50-150 |          | "       | "        | "        | "      |       |
| <b>MW-9 (L203067-06) Water</b> Sampled: 03/15/02 14:20 Received: 03/15/02 17:40  |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | ND     | 51                 | ug/l   | 1        | 2C22025 | 03/22/02 | 03/31/02 | 8015Bm |       |
| Surrogate: n-Octacosane  |        | 80.0 %             | 50-150 |          | "       | "        | "        | "      |       |
| <b>MW-11 (L203067-07) Water</b> Sampled: 03/15/02 12:40 Received: 03/15/02 17:40 |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | 140    | 51                 | ug/l   | 1        | 2C22025 | 03/22/02 | 03/31/02 | 8015Bm | D-15  |
| Surrogate: n-Octacosane  |        | 116 %              | 50-150 |          | "       | "        | "        | "      |       |
| <b>MW-12 (L203067-08) Water</b> Sampled: 03/15/02 11:45 Received: 03/15/02 17:40 |        |                    |        |          |         |          |          |        |       |
| Diesel Range Organics (C10-C28)  | ND     | 51                 | ug/l   | 1        | 2C22025 | 03/22/02 | 03/31/02 | 8015Bm |       |
| Surrogate: n-Octacosane  |        | 96.5 %             | 50-150 |          | "       | "        | "        | "      |       |

Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

 Project: Tosco(1)  
 Project Number: SS#7376; 4191 First St., Pleasanton  
 Project Manager: Deanna Harding

 Reported:  
 04/01/02 16:26

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Walnut Creek**

| Analyte  | Result | Reporting Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method            | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-------------------|-------|
| <b>TB-LB (L203067-01) Water Sampled: 03/15/02 00:00 Received: 03/15/02 17:40</b> |        |                 |        |          |         |          |          |                   |       |
| Purgeable Hydrocarbons (C6-C12)  | ND     | 50              | ug/l   | 1        | 2C27003 | 03/28/02 | 03/28/02 | EPA<br>8015M/8021 |       |
| Benzene  | ND     | 0.50            | "      | "        | "       | "        | "        | "                 | Q-28  |
| Toluene  | ND     | 0.50            | "      | "        | "       | "        | "        | "                 |       |
| Ethylbenzene   | ND     | 0.50            | "      | "        | "       | "        | "        | "                 |       |
| Xylenes (total)  | ND     | 0.50            | "      | "        | "       | "        | "        | "                 |       |
| Methyl tert-butyl ether (MTBE)   | ND     | 2.5             | "      | "        | "       | "        | "        | "                 |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 97 %            | 70-130 |          | "       | "        | "        | "                 |       |
| <b>MW-1 (L203067-02) Water Sampled: 03/15/02 10:45 Received: 03/15/02 17:40</b>  |        |                 |        |          |         |          |          |                   |       |
| Purgeable Hydrocarbons (C6-C12)  | ND     | 500             | ug/l   | 10       | 2C27003 | 03/28/02 | 03/28/02 | EPA<br>8015M/8021 |       |
| Benzene  | ND     | 5.0             | "      | "        | "       | "        | "        | "                 | Q-28a |
| Toluene  | ND     | 5.0             | "      | "        | "       | "        | "        | "                 |       |
| Ethylbenzene   | ND     | 5.0             | "      | "        | "       | "        | "        | "                 |       |
| Xylenes (total)  | ND     | 5.0             | "      | "        | "       | "        | "        | "                 |       |
| Methyl tert-butyl ether (MTBE)   | 1200   | 25              | "      | "        | "       | "        | "        | "                 |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 94 %            | 70-130 |          | "       | "        | "        | "                 |       |
| <b>MW-3 (L203067-03) Water Sampled: 03/15/02 15:55 Received: 03/15/02 17:40</b>  |        |                 |        |          |         |          |          |                   |       |
| Purgeable Hydrocarbons (C6-C12)  | 15000  | 5000            | ug/l   | 100      | 2C27003 | 03/28/02 | 03/28/02 | EPA<br>8015M/8021 |       |
| Benzene  | 160    | 50              | "      | "        | "       | "        | "        | "                 | Q-28  |
| Toluene  | ND     | 50              | "      | "        | "       | "        | "        | "                 |       |
| Ethylbenzene   | 140    | 50              | "      | "        | "       | "        | "        | "                 |       |
| Xylenes (total)  | 4400   | 50              | "      | "        | "       | "        | "        | "                 |       |
| Methyl tert-butyl ether (MTBE)   | ND     | 250             | "      | "        | "       | "        | "        | "                 |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 87 %            | 70-130 |          | "       | "        | "        | "                 |       |



Gettler-Ryan/Geostrategies(1)  
6747 Sierra Court, Suite J  
Dublin CA, 94568

Project: Tosco(1)  
Project Number: SS#7376; 4191 First St., Pleasanton  
Project Manager: Deanna Harding

**Reported:**  
04/01/02 16:26

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

| Analyte   | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method         | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|----------------|-------|
| <b>MW-7 (L203067-04) Water</b> Sampled: 03/15/02 15:10 Received: 03/15/02 17:40 |        |                 |       |          |         |          |          |                |       |
| Purgeable Hydrocarbons (C6-C12)   | 2800   | 1200            | ug/l  | 25       | 2C27003 | 03/28/02 | 03/28/02 | EPA 8015M/8021 |       |
| Benzene   | 850    | 12              | "     | "        | "       | "        | "        | "              | Q-28a |
| Toluene   | 22     | 12              | "     | "        | "       | "        | "        | "              |       |
| Ethylbenzene  | 74     | 12              | "     | "        | "       | "        | "        | "              |       |
| Xylenes (total)   | 39     | 12              | "     | "        | "       | "        | "        | "              |       |
| Methyl tert-butyl ether (MTBE)  | 360    | 62              | "     | "        | "       | "        | "        | "              |       |
| Surrogate: a,a,a-Trifluorotoluene   |        | 112 %           |       | 70-130   | "       | "        | "        | "              |       |
| <b>MW-8 (L203067-05) Water</b> Sampled: 03/15/02 13:27 Received: 03/15/02 17:40 |        |                 |       |          |         |          |          |                |       |
| Purgeable Hydrocarbons (C6-C12)   | ND     | 50              | ug/l  | 1        | 2C27003 | 03/28/02 | 03/28/02 | EPA 8015M/8021 |       |
| Benzene   | ND     | 0.50            | "     | "        | "       | "        | "        | "              | Q-28  |
| Toluene   | ND     | 0.50            | "     | "        | "       | "        | "        | "              |       |
| Ethylbenzene  | ND     | 0.50            | "     | "        | "       | "        | "        | "              |       |
| Xylenes (total)   | ND     | 0.50            | "     | "        | "       | "        | "        | "              |       |
| Methyl tert-butyl ether (MTBE)  | 72     | 2.5             | "     | "        | "       | "        | "        | "              |       |
| Surrogate: a,a,a-Trifluorotoluene   |        | 81 %            |       | 70-130   | "       | "        | "        | "              |       |
| <b>MW-9 (L203067-06) Water</b> Sampled: 03/15/02 14:20 Received: 03/15/02 17:40 |        |                 |       |          |         |          |          |                |       |
| Purgeable Hydrocarbons (C6-C12)   | ND     | 50              | ug/l  | 1        | 2C27003 | 03/28/02 | 03/28/02 | EPA 8015M/8021 |       |
| Benzene   | ND     | 0.50            | "     | "        | "       | "        | "        | "              | Q-28  |
| Toluene   | ND     | 0.50            | "     | "        | "       | "        | "        | "              |       |
| Ethylbenzene  | ND     | 0.50            | "     | "        | "       | "        | "        | "              |       |
| Xylenes (total)   | ND     | 0.50            | "     | "        | "       | "        | "        | "              |       |
| Methyl tert-butyl ether (MTBE)  | ND     | 2.5             | "     | "        | "       | "        | "        | "              |       |
| Surrogate: a,a,a-Trifluorotoluene   |        | 95 %            |       | 70-130   | "       | "        | "        | "              |       |





Gettler-Ryan/Geostrategies(1)  
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Dublin CA, 94568

Project: Tosco(1)  
Project Number: SS#7376; 4191 First St., Pleasanton  
Project Manager: Deanna Harding

Reported:  
04/01/02 16:26

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

| Analyte  | Result | Reporting Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method         | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|----------------|-------|
| <b>MW-11 (L203067-07) Water</b> Sampled: 03/15/02 12:40 Received: 03/15/02 17:40 |        |                 |        |          |         |          |          |                |       |
| Purgeable Hydrocarbons (C6-C12)  | ND     | 50              | ug/l   | 1        | 2C27003 | 03/28/02 | 03/28/02 | EPA 8015M/8021 |       |
| Benzene  | ND     | 0.50            | "      | "        | "       | "        | "        | "              | Q-28a |
| Toluene  | ND     | 0.50            | "      | "        | "       | "        | "        | "              |       |
| Ethylbenzene   | ND     | 0.50            | "      | "        | "       | "        | "        | "              |       |
| Xylenes (total)  | ND     | 0.50            | "      | "        | "       | "        | "        | "              |       |
| Methyl tert-butyl ether (MTBE)   | 7.6    | 2.5             | "      | "        | "       | "        | "        | "              |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 92 %            | 70-130 |          | "       | "        | "        | "              |       |
| <b>MW-12 (L203067-08) Water</b> Sampled: 03/15/02 11:45 Received: 03/15/02 17:40 |        |                 |        |          |         |          |          |                |       |
| Purgeable Hydrocarbons (C6-C12)  | ND     | 50              | ug/l   | 1        | 2C27003 | 03/28/02 | 03/28/02 | EPA 8015M/8021 |       |
| Benzene  | ND     | 0.50            | "      | "        | "       | "        | "        | "              | Q-28a |
| Toluene  | ND     | 0.50            | "      | "        | "       | "        | "        | "              |       |
| Ethylbenzene   | ND     | 0.50            | "      | "        | "       | "        | "        | "              |       |
| Xylenes (total)  | ND     | 0.50            | "      | "        | "       | "        | "        | "              |       |
| Methyl tert-butyl ether (MTBE)   | ND     | 2.5             | "      | "        | "       | "        | "        | "              |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 91 %            | 70-130 |          | "       | "        | "        | "              |       |

Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

 Project: Tosco(1)  
 Project Number: SS#7376; 4191 First St., Pleasanton  
 Project Manager: Deanna Harding

**Reported:**  
 04/01/02 16:26

**Diesel Hydrocarbons (C10-C28) by 8015B modified - Quality Control**  
**Sequoia Analytical - Morgan Hill**

| Analyte                          | Result | Reporting Limit | Units | Spike Level | Source Result                         | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------|--------|-----------------|-------|-------------|---------------------------------------|------|-------------|------|-----------|-------|
| <b>Batch 2C22025 - EPA 3510B</b> |        |                 |       |             |                                       |      |             |      |           |       |
| <b>Blank (2C22025-BLK1)</b>      |        |                 |       |             | Prepared: 03/22/02 Analyzed: 03/31/02 |      |             |      |           |       |
| Diesel Range Organics (C10-C28)  | ND     | 50              | ug/l  |             |                                       |      |             |      |           |       |
| Surrogate: n-Octacosane          | 31.7   |                 | "     | 50.0        |                                       | 63.4 | 50-150      |      |           |       |
| <b>LCS (2C22025-BS1)</b>         |        |                 |       |             | Prepared: 03/22/02 Analyzed: 03/31/02 |      |             |      |           |       |
| Diesel Range Organics (C10-C28)  | 455    | 50              | ug/l  | 500         |                                       | 91.0 | 60-140      |      |           |       |
| Surrogate: n-Octacosane          | 38.1   |                 | "     | 50.0        |                                       | 76.2 | 50-150      |      |           |       |
| <b>LCS Dup (2C22025-BSD1)</b>    |        |                 |       |             | Prepared: 03/22/02 Analyzed: 03/31/02 |      |             |      |           |       |
| Diesel Range Organics (C10-C28)  | 482    | 50              | ug/l  | 500         |                                       | 96.4 | 60-140      | 5.76 | 50        |       |
| Surrogate: n-Octacosane          | 39.7   |                 | "     | 50.0        |                                       | 79.4 | 50-150      |      |           |       |

Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

 Project: Tosco(1)  
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 Project Manager: Deanna Harding

 Reported:  
 04/01/02 16:26

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control**  
**Sequoia Analytical - Walnut Creek**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 2C27003 - EPA 5030B P/T**
**Blank (2C27003-BLK1)**

Prepared &amp; Analyzed: 03/28/02

|  |      |      |      |      |  |     |        |  |  |  |
|--|------|------|------|------|--|-----|--------|--|--|--|
| Purgeable Hydrocarbons (C6-C12)          | ND   | 50   | ug/l |      |  |     |        |  |  |  |
| Benzene                                  | ND   | 0.50 | "    |      |  |     |        |  |  |  |
| Toluene                                  | ND   | 0.50 | "    |      |  |     |        |  |  |  |
| Ethylbenzene                             | ND   | 0.50 | "    |      |  |     |        |  |  |  |
| Xylenes (total)                          | ND   | 0.50 | "    |      |  |     |        |  |  |  |
| Methyl tert-butyl ether (MTBE)           | ND   | 2.5  | "    |      |  |     |        |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 30.0 |      | "    | 30.0 |  | 100 | 70-130 |  |  |  |

**Blank (2C27003-BLK2)**

Prepared: 03/28/02 Analyzed: 03/29/02

|  |      |      |      |      |  |    |        |  |  |  |
|--|------|------|------|------|--|----|--------|--|--|--|
| Purgeable Hydrocarbons (C6-C12)          | ND   | 50   | ug/l |      |  |    |        |  |  |  |
| Benzene                                  | ND   | 0.50 | "    |      |  |    |        |  |  |  |
| Toluene                                  | ND   | 0.50 | "    |      |  |    |        |  |  |  |
| Ethylbenzene                             | ND   | 0.50 | "    |      |  |    |        |  |  |  |
| Xylenes (total)                          | ND   | 0.50 | "    |      |  |    |        |  |  |  |
| Methyl tert-butyl ether (MTBE)           | ND   | 2.5  | "    |      |  |    |        |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 29.8 |      | "    | 30.0 |  | 99 | 70-130 |  |  |  |

**LCS (2C27003-BS1)**

Prepared &amp; Analyzed: 03/28/02

|  |      |      |      |      |  |     |        |  |  |  |
|--|------|------|------|------|--|-----|--------|--|--|--|
| Benzene                                  | 16.8 | 0.50 | ug/l | 20.0 |  | 84  | 70-130 |  |  |  |
| Toluene                                  | 18.6 | 0.50 | "    | 20.0 |  | 93  | 70-130 |  |  |  |
| Ethylbenzene                             | 17.9 | 0.50 | "    | 20.0 |  | 90  | 70-130 |  |  |  |
| Xylenes (total)                          | 59.9 | 0.50 | "    | 60.0 |  | 100 | 70-130 |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 28.9 |      | "    | 30.0 |  | 96  | 70-130 |  |  |  |

**LCS (2C27003-BS2)**

Prepared &amp; Analyzed: 03/29/02

|  |      |      |      |      |  |     |        |  |  |  |
|--|------|------|------|------|--|-----|--------|--|--|--|
| Benzene                                  | 16.6 | 0.50 | ug/l | 20.0 |  | 83  | 70-130 |  |  |  |
| Toluene                                  | 20.5 | 0.50 | "    | 20.0 |  | 102 | 70-130 |  |  |  |
| Ethylbenzene                             | 20.2 | 0.50 | "    | 20.0 |  | 101 | 70-130 |  |  |  |
| Xylenes (total)                          | 64.0 | 0.50 | "    | 60.0 |  | 107 | 70-130 |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 33.7 |      | "    | 30.0 |  | 112 | 70-130 |  |  |  |

Gettler-Ryan/Geostrategies(1)  
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 Project: Tosco(1)  
 Project Number: SS#7376; 4191 First St., Pleasanton  
 Project Manager: Deanna Harding

**Reported:**  
 04/01/02 16:26

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control**  
**Sequoia Analytical - Walnut Creek**

| Analyte                                | Result | Reporting Limit | Units | Spike Level | Source Result      | %REC | %REC Limits        | RPD | RPD Limit | Notes       |
|--|--------|-----------------|-------|-------------|--------------------|------|--------------------|-----|-----------|-------------|
| <b>Batch 2C27003 - EPA 5030B P/T</b>   |        |                 |       |             |                    |      |                    |     |           |             |
| <b>LCS Dup (2C27003-BSD1)</b>          |        |                 |       |             |                    |      |                    |     |           |             |
|  |        |                 |       |             | Prepared: 03/29/02 |      | Analyzed: 03/30/02 |     |           |             |
| Benzene                                | 17.9   | 0.50            | ug/l  | 20.0        |                    | 90   | 70-130             | 6   | 20        |             |
| Toluene                                | 18.5   | 0.50            | "     | 20.0        |                    | 92   | 70-130             | 0.5 | 20        |             |
| Ethylbenzene                           | 18.3   | 0.50            | "     | 20.0        |                    | 92   | 70-130             | 2   | 20        |             |
| Xylenes (total)                        | 58.0   | 0.50            | "     | 60.0        |                    | 97   | 70-130             | 3   | 20        |             |
| Surrogate: a,a,a-Trifluorotoluene      | 31.6   |                 | "     | 30.0        |                    | 105  | 70-130             |     |           |             |
| <b>Matrix Spike (2C27003-MS1)</b>      |        |                 |       |             |                    |      |                    |     |           |             |
|  |        |                 |       |             | Prepared: 03/28/02 |      | Analyzed: 03/29/02 |     |           |             |
| Benzene                                | ND     | 0.50            | ug/l  | 20.0        |                    |      | 70-130             |     |           | QM-07       |
| Toluene                                | ND     | 0.50            | "     | 20.0        |                    |      | 70-130             |     |           |             |
| Ethylbenzene                           | ND     | 0.50            | "     | 20.0        |                    |      | 70-130             |     |           |             |
| Xylenes (total)                        | ND     | 0.50            | "     | 60.0        |                    |      | 70-130             |     |           |             |
| Surrogate: a,a,a-Trifluorotoluene      | 0.00   |                 | "     | 30.0        |                    |      | 70-130             |     |           |             |
| <b>Matrix Spike Dup (2C27003-MSD1)</b> |        |                 |       |             |                    |      |                    |     |           |             |
|  |        |                 |       |             | Prepared: 03/28/02 |      | Analyzed: 03/29/02 |     |           |             |
| Benzene                                | ND     | 0.50            | ug/l  | 20.0        |                    |      | 70-130             |     | 20        | QM-07,QR-07 |
| Toluene                                | ND     | 0.50            | "     | 20.0        |                    |      | 70-130             |     | 20        |             |
| Ethylbenzene                           | ND     | 0.50            | "     | 20.0        |                    |      | 70-130             |     | 20        |             |
| Xylenes (total)                        | ND     | 0.50            | "     | 60.0        |                    |      | 70-130             |     | 20        |             |
| Surrogate: a,a,a-Trifluorotoluene      | 0.00   |                 | "     | 30.0        |                    |      | 70-130             |     |           |             |



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Project: Tosco(1)  
Project Number: SS#7376; 4191 First St., Pleasanton  
Project Manager: Deanna Harding

**Reported:**  
04/01/02 16:26

### Notes and Definitions

- D-15 Chromatogram Pattern: Unidentified Hydrocarbons C10-C28
- Q-28 The opening calibration verification standard was outside acceptance criteria by -1%. Although the Laboratory Control Sample verified the accuracy of the batch, this should be considered in evaluating the data for its intended purpose.
- Q-28a The opening calibration verification standard was outside acceptance criteria by -22%. Although the Laboratory Control Sample verified the accuracy of the batch, this should be considered in evaluating the data for its intended purpose.
- QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QR-07 The RPD was outside control limits. The results may still be useful for their intended purpose.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference