



GETTLER-RYAN Inc.

ENVIRONMENTAL PROTECTION

00 MAR 31 AM 9:02

TRANSMITTAL

March 14, 2000

G-R #:180067

STUD 3693 BC

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

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

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

RE: Tosco (Unocal) SS #3135
845 - 66th Street
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED | DESCRIPTION |
|--------|---------------|---|
| 1 | March 8, 2000 | Groundwater Monitoring and Sampling Report Annual 2000 - Event of February 2, 2000 |

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 *March 27, 2000*, this report will be distributed to the following:

Enclosure

cc: ~~Ms. Cynthia Chapman~~
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502

agency/3135dbd.qmt



GETTLER-RYAN INC.

March 8, 2000
G-R Job #180067

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

RE: Annual 2000 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

Dear Mr. De Witt:

This report documents the annual groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On February 2, 2000, field personnel monitored and sampled ten wells (MW-1 through MW-10) at the above referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are presented 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. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

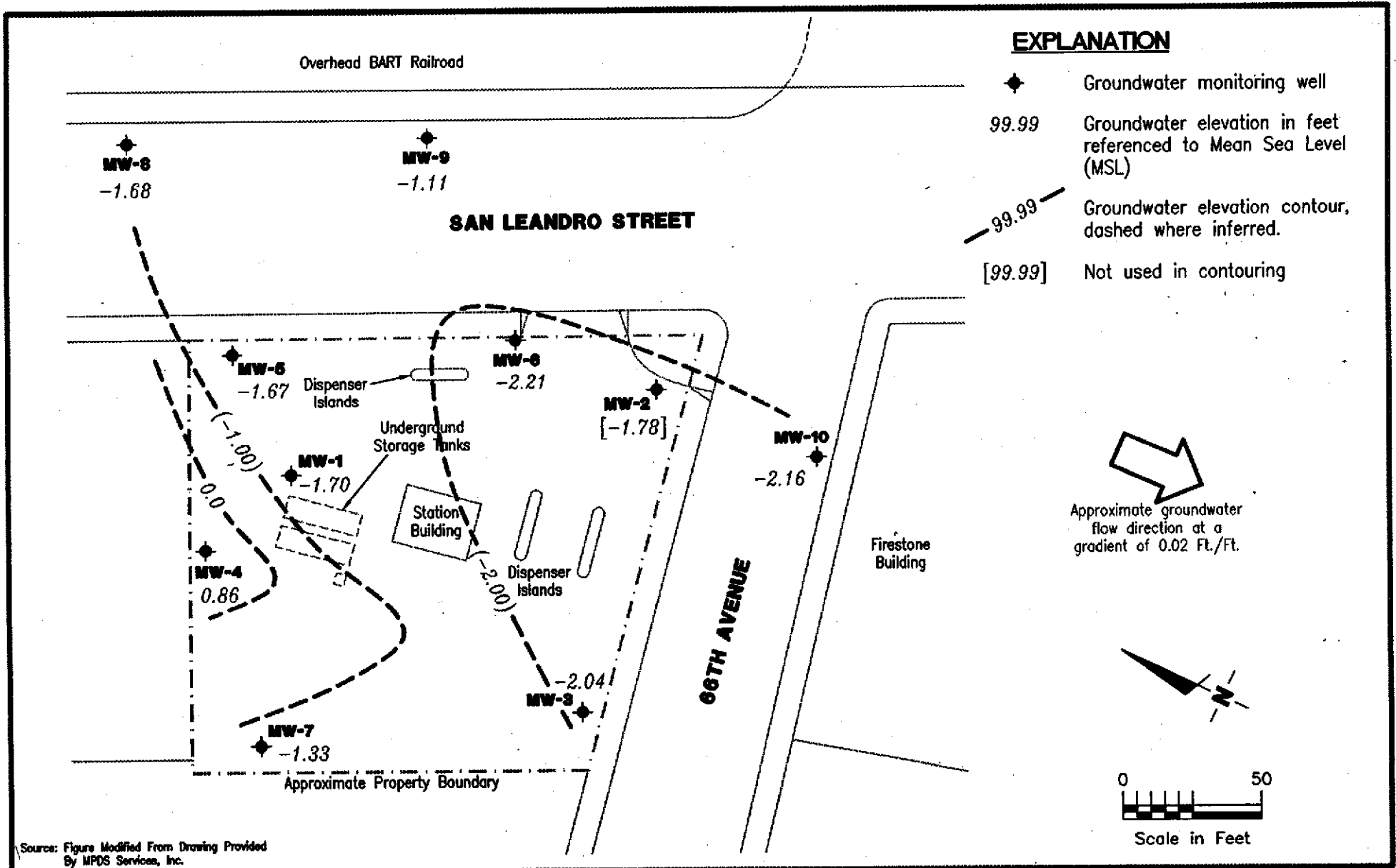
Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577



Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Dissolved Oxygen Concentrations
Table 3: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

3135.qml



Gettler - Ryan Inc.

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

POTENTIOMETRIC MAP
Unocal Service Station No. 3135
845 66th Avenue
Oakland, California

FIGURE

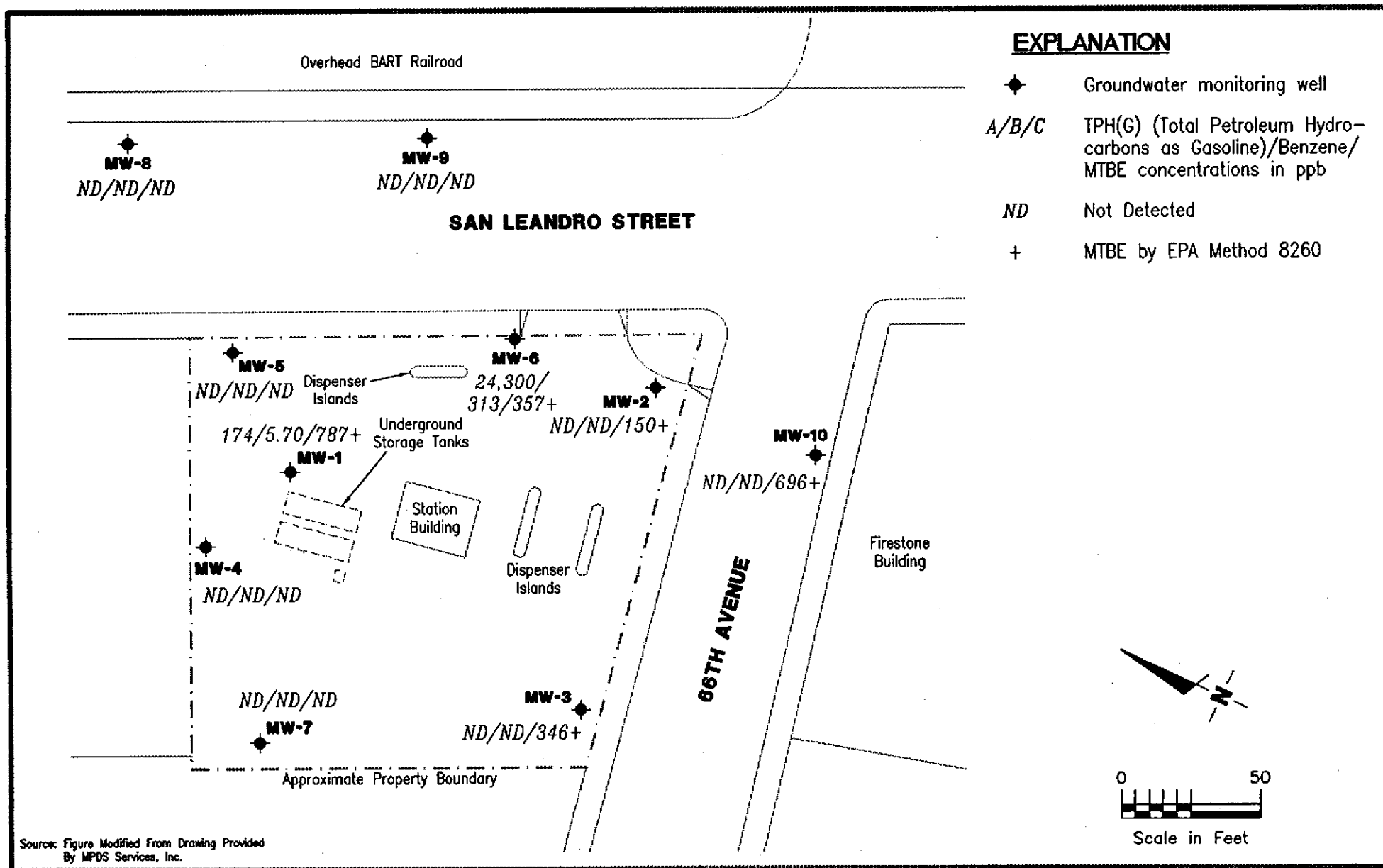
1

JOB NUMBER
180067

REVIEWED BY

DATE
February 2, 2000

REVISED DATE



Source: Figure Modified From Drawing Provided By MPDS Services, Inc.



Gottler - Ryan Inc.

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

CONCENTRATION MAP
Unocal Service Station No. 3135
845 66th Avenue
Oakland, California

FIGURE

2

JOB NUMBER
180067

REVIEWED BY

DATE
February 2, 2000

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|----------|--------------|--------------|------------------|------------------|------------|------------|------------|------------|---------------|
| MW-1 (D) | 05/11/90 | -- | -- | -- | 22,000 | 590 | 42 | 1,200 | 3,600 | -- |
| | 08/28/90 | -- | -- | -- | 1,700 | 140 | 1.4 | 180 | 150 | -- |
| | 08/28/90 | -- | -- | -- | 2,600 | 180 | 3 | 810 | 270 | -- |
| | 11/26/90 | -- | -- | -- | 2,900 | 160 | 2.3 | 330 | 320 | -- |
| | 02/21/91 | -- | -- | 690 | 26,000 | 280 | 39 | 1,200 | 1,900 | -- |
| | 08/05/91 | -- | -- | 200 | 1,200 | 95 | 6.2 | 230 | 80 | -- |
| | 11/05/91 | -- | -- | 260 | 4,900 | 80 | ND | 150 | 160 | -- |
| | 02/07/92 | -- | -- | ND | 220 | 2.1 | ND | 10 | 16 | -- |
| | 05/05/92 | -- | -- | 120 | 310 | 5.7 | ND | 7.1 | 15 | -- |
| | 08/03/92 | -- | -- | 220 ⁴ | 980 | 22 | 0.69 | 77 | 82 | -- |
| | 11/03/92 | -- | -- | 400 ⁴ | 1,100 | 28 | ND | 80 | 78 | -- |
| | 02/03/93 | -- | -- | ND | 94 ⁷ | ND | ND | 1.4 | 1.6 | -- |
| | 5.18 | 03/01/93 | 7.30 | -2.12 | -- | -- | -- | -- | -- | -- |
| 04/01/93 | | 7.12 | -1.94 | -- | -- | -- | -- | -- | -- | -- |
| 05/17/93 | | 8.25 | -3.07 | 490 ⁵ | 960 ⁷ | 39 | ND | 57 | 60 | -- |
| 06/15/93 | | INACCESSIBLE | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/93 | | 9.48 | -4.30 | -- | -- | -- | -- | -- | -- | -- |
| 08/13/93 | | 10.00 | -4.82 | 170 ⁵ | 860 | 3.5 | ND | 17 | 20 | -- |
| 09/13/93 | | 10.40 | -5.22 | -- | -- | -- | -- | -- | -- | -- |
| 4.99 | 10/14/93 | 10.73 | -5.55 | -- | -- | -- | -- | -- | -- | -- |
| | 11/11/93 | 10.80 | -5.81 | 160 ⁵ | 930 | 7.3 | ND | 25 | 19 | -- |
| | 12/14/93 | 9.50 | -4.51 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 9.80 | -4.81 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 8.58 | -3.59 | ND | 170 ⁶ | 0.9 | 2.3 | ND | ND | -- |
| | 03/14/94 | 7.73 | -2.74 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 8.28 | -3.29 | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 8.11 | -3.12 | ND | 96 ⁶ | ND | ND | ND | ND | -- |
| | 06/07/94 | 8.09 | -3.10 | -- | -- | -- | -- | -- | -- | -- |
| | 07/05/94 | 8.43 | -3.44 | -- | -- | -- | -- | -- | -- | -- |
| | 08/02/94 | 8.76 | -3.77 | 130 ⁵ | 700 | 13 | 0.62 | 2 | 3.6 | -- |
| | 11/07/94 | 8.26 | -3.27 | 270 ⁴ | 890 | 16 | ND | 31 | 21 | -- |
| 12/03/94 | 6.59 | -1.60 | -- | -- | -- | -- | -- | -- | -- | |
| 01/10/95 | 6.12 | -1.13 | -- | -- | -- | -- | -- | -- | -- | |
| 02/01/95 | 6.04 | -1.05 | ND | 120 | 1.7 | ND | ND | ND | -- | |
| 03/03/95 | 6.73 | -1.74 | -- | -- | -- | -- | -- | -- | -- | |

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-----------------------|-----------------------|--------------|--------------------|--------------------|-------------------------|-------------|-------------|-----------------|-----------------|-----------------------------|
| MW-1 (cont) | 05/02/95 | 6.57 | -1.58 | 120 ⁴ | 460 | 14 | ND | 14 | 13 | -- |
| | 08/01/95 | 7.70 | -2.71 | 86 ⁴ | 190 | 4 | ND | 3.7 | 2 | -- |
| | 11/01/95 | 9.08 | -4.09 | 190 ⁵ | 160 | 2.5 | ND | 0.82 | 0.57 | 280 |
| | 02/01/96 | 6.22 | -1.23 | 90 ⁴ | 240 | 8.7 | 2 | ND | 0.66 | 250 |
| | 02/04/97 | 8.48 | -3.49 | -- | 120 ⁶ | 0.58 | ND | ND | ND | 150 |
| | 02/05/98 | 5.50 | -0.51 | -- | 130 | 1.3 | ND | 2.7 | 11 | 220 |
| | 02/04/99 | 6.58 | -1.59 | -- | 1,600 | 74 | 16 | ND ⁹ | ND ⁹ | 680/850 ¹⁰ |
| | 02/02/00 | 6.69 | -1.70 | -- | 174¹² | 5.70 | 1.41 | ND | ND | 839/787¹⁰ |
| MW-2 | 05/11/90 | -- | -- | -- | 65,000 | 3,300 | 3,300 | 4,100 | 12,000 | -- |
| | 08/28/90 ¹ | -- | -- | 3,100 | 27,000 | 2,600 | 1,300 | 1,900 | 3,000 | -- |
| | 11/26/90 ¹ | -- | -- | 3,800 | 15,000 | 1,600 | 450 | 1,100 | 2,100 | -- |
| | 02/21/91 ¹ | -- | -- | 7,000 | 3,400 | 160 | 61 | 200 | 490 | -- |
| | 08/05/91 ¹ | -- | -- | 4,200 | 33,000 | 2,900 | 190 | 3,400 | 7,900 | -- |
| | 11/05/91 ² | -- | -- | 3,900 | 110,000 | 4,200 | 200 | 3,400 | 8,600 | -- |
| | 02/07/92 ¹ | -- | -- | 2,300 | 11,000 | 1,400 | 30 | 1,900 | 1,400 | -- |
| | 05/05/92 ¹ | -- | -- | 4,600 | 26,000 | 2,300 | 110 | 2,700 | 6,900 | -- |
| | 08/03/92 ¹ | -- | -- | 3,300 ⁵ | 37,000 | 4,500 | 480 | 3,300 | 9,700 | -- |
| | 11/03/92 ¹ | -- | -- | 9,600 ⁴ | 40,000 | 5,600 | 130 | 3,000 | 6,100 | -- |
| 02/03/93 ¹ | -- | -- | 3,900 ⁴ | 9,300 | 780 | 68 | 830 | 1,200 | -- | |
| 3.83 | 03/01/93 | 5.92 | -2.09 | -- | -- | -- | -- | -- | -- | -- |
| | 04/01/93 | 5.76 | -1.93 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 7.08 | -3.25 | 5,500 ⁵ | 46,000 | 4,400 | 510 | 2,900 | 9,900 | -- |
| | 06/15/93 | 7.02 | -3.19 | -- | -- | -- | -- | -- | -- | -- |
| | 07/14/93 | 8.13 | -4.30 | -- | -- | -- | -- | -- | -- | -- |
| | 08/13/93 | 8.64 | -4.81 | 2,800 ⁵ | 44,000 | 5,100 | 600 | 2,900 | 8,500 | -- |
| | 09/13/93 | 9.00 | -5.17 | -- | -- | -- | -- | -- | -- | -- |
| | 10/14/93 | 9.03 | -5.20 | -- | -- | -- | -- | -- | -- | -- |
| 3.57 | 11/11/93 | 9.22 | -5.65 | 7,000 ⁵ | 36,000 | 4,800 | 970 | 3,000 | 8,100 | -- |
| | 12/14/93 | 8.05 | -4.48 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 8.29 | -4.72 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 6.93 | -3.36 | 2,000 ⁵ | 12,000 | 1,000 | 17 | 880 | 940 | -- |
| | 03/14/94 | 6.41 | -2.84 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 6.66 | -3.09 | -- | -- | -- | -- | -- | -- | -- |

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| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|----------|--------------|--------------|--------------------|------------------|------------|------------|------------|------------|-----------------------|
| MW-2 (cont) | 05/05/94 | 6.38 | -2.81 | 3,100 ⁵ | 36,000 | 3,200 | 670 | 2,700 | 9,600 | -- |
| | 06/07/94 | 6.33 | -2.76 | -- | -- | -- | -- | -- | -- | -- |
| | 07/05/94 | 6.52 | -2.95 | -- | -- | -- | -- | -- | -- | -- |
| | 08/02/94 | 6.75 | -3.18 | 8,500 ⁴ | 32,000 | 2,400 | 2,200 | 2,900 | 12,000 | -- |
| | 11/07/94 | 6.04 | -2.47 | 3,100 ⁵ | 49,000 | 1,700 | 2,000 | 3,000 | 10,000 | -- |
| | 12/03/94 | 4.95 | -1.38 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 4.59 | -1.02 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 4.54 | -0.97 | 1,800 ⁴ | 9,300 | 300 | 210 | 630 | 2,600 | -- |
| | 03/03/95 | 5.17 | -1.60 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 5.03 | -1.46 | 2,300 ⁵ | 5,600 | 150 | ND | 150 | 180 | -- |
| | 08/01/95 | 6.16 | -2.59 | 2,900 ⁴ | 13,000 | 700 | 140 | 1,400 | 5,500 | -- |
| | 11/01/95 | 7.30 | -3.73 | 4,100 ⁴ | 18,000 | 490 | 110 | 1,300 | 4,600 | 190 |
| | 02/01/96 | 4.57 | -1.00 | 5,500 ⁴ | 22,000 | 470 | 77 | 1,400 | 5,900 | ND |
| | 02/04/97 | 7.10 | -3.53 | -- | 100 ⁶ | ND | 0.89 | ND | ND | 81 |
| | 02/05/98 | 4.12 | -0.55 | -- | 330 | 2.6 | 2.6 | 17 | 58 | 5.5 |
| | 08/28/98 | 6.26 | -2.69 | -- | -- | -- | -- | -- | -- | -- |
| | 02/04/99 | 5.01 | -1.44 | -- | ND | ND | 0.54 | 0.60 | 1.5 | 19/16 ¹⁰ |
| | 02/02/00 | 5.35 | -1.78 | -- | ND | ND | ND | ND | ND | 163/150 ¹⁰ |
| | MW-3 | 5/11/90 | -- | -- | -- | ND | ND | ND | ND | ND |
| 08/28/90 | | -- | -- | -- | ND | ND | ND | ND | 0.7 | -- |
| 11/26/90 | | -- | -- | -- | ND | ND | ND | ND | ND | -- |
| 02/21/91 | | -- | -- | -- | ND | ND | ND | ND | 0.64 | -- |
| 08/05/91 | | -- | -- | 63 | ND | ND | ND | ND | ND | -- |
| 11/05/91 | | -- | -- | ND | 31 | ND | ND | ND | 0.65 | -- |
| 02/07/92 | | -- | -- | ND | ND | ND | ND | ND | ND | -- |
| 05/05/92 | | -- | -- | 56 | ND | ND | ND | 0.43 | 1.8 | -- |
| 08/03/92 | | -- | -- | 58 | ND | ND | ND | ND | ND | -- |
| 11/03/92 | | -- | -- | 52 ⁴ | ND | ND | ND | ND | ND | -- |
| 02/03/93 | | -- | -- | ND | ND | ND | ND | ND | ND | -- |
| 3.30 | 03/01/93 | 4.84 | -1.54 | -- | -- | -- | -- | -- | -- | -- |
| | 04/01/93 | 4.60 | -1.30 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 5.47 | -2.17 | 53 | ND | ND | ND | ND | ND | -- |
| | 06/15/93 | 5.57 | -2.27 | -- | -- | -- | -- | -- | -- | -- |

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| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|-----------------|--------------|--------------|------------------|------------------|------------|------------|------------|------------|-----------------------------|
| MW-3 | 07/14/93 | 6.92 | -3.62 | -- | -- | -- | -- | -- | -- | -- |
| (cont) | 08/13/93 | 7.85 | -4.55 | ND | ND | ND | ND | ND | ND | -- |
| | 09/13/93 | 8.42 | -5.12 | -- | -- | -- | -- | -- | -- | -- |
| | 10/14/93 | 8.90 | -5.60 | -- | -- | -- | -- | -- | -- | -- |
| 3.12 | 11/11/93 | 8.92 | -5.80 | 51 | ND | ND | ND | ND | ND | -- |
| | 12/14/93 | 7.36 | -4.24 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 7.54 | -4.42 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 6.23 | -3.11 | 50 ⁵ | ND | ND | ND | ND | 0.84 | -- |
| | 03/14/94 | 5.56 | -2.44 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 7.72 | -4.60 | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 5.50 | -2.38 | 66 | 62 ⁶ | ND | ND | ND | ND | -- |
| | 06/07/94 | 5.35 | -2.23 | -- | -- | -- | -- | -- | -- | -- |
| | 07/02/94 | 5.46 | -2.34 | -- | -- | -- | -- | -- | -- | -- |
| | 08/02/94 | 5.84 | -2.72 | 76 | 150 ⁶ | ND | ND | ND | ND | -- |
| | 11/07/94 | 6.05 | -2.93 | ND | 94 ⁶ | ND | ND | ND | ND | -- |
| | 12/03/94 | 4.51 | -1.39 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 3.82 | -0.70 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 3.84 | -0.72 | ND | 100 ⁶ | ND | ND | ND | ND | -- |
| | 03/03/95 | 4.27 | -1.15 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 4.11 | -0.99 | 56 | 360 ⁶ | ND | ND | ND | ND | -- |
| | 08/01/95 | 5.10 | -1.98 | ND | ND | ND | ND | ND | ND | -- |
| | 11/01/95 | 6.65 | -3.53 | 200 ⁴ | ND | ND | ND | ND | ND | 200 |
| | 02/01/96 | 4.29 | -1.17 | 160 ⁴ | ND | ND | ND | ND | ND | 190 |
| | 02/04/97 | 6.43 | -3.31 | -- | ND | ND | ND | ND | ND | ND |
| | 02/05/98 | 4.68 | -1.56 | -- | ND | ND | ND | ND | ND | 490 |
| | 02/04/99 | 4.62 | -1.50 | -- | ND | ND | ND | ND | ND | 480/530 ¹⁰ |
| | 02/02/00 | 5.16 | -2.04 | -- | ND | ND | ND | ND | ND | 250/346¹⁴ |
| | | | | | | | | | | |
| MW-4 | 08/28/90 | -- | -- | -- | 62,000 | 810 | 72 | 4,400 | 4,600 | -- |
| | 11/26/90 | -- | -- | -- | 49,000 | 360 | 36 | 3,800 | 11,000 | -- |
| | 02/21/91 | -- | -- | 4,100 | 33,000 | 210 | 21 | 3,800 | 12,000 | -- |
| | 08/05/91 | -- | -- | 6,200 | 37,000 | 310 | 70 | 3,600 | 9,700 | -- |
| | 11/05/91 | -- | -- | 7,700 | 140,000 | 320 | ND | 4,800 | 13,000 | -- |
| | 02/07/92 | -- | -- | 2,300 | 8,100 | 24 | 4.9 | 1,800 | 3,200 | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
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| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|----------|--------------|--------------|--------------------|------------------|------------|------------|------------|------------|---------------|
| MW-4 | 05/05/92 | -- | -- | 3,200 | 15,000 | 82 | 12 | 2,000 | 5,600 | -- |
| (cont) | 08/03/92 | -- | -- | 2,400 ⁴ | 24,000 | 61 | ND | 2,100 | 5,400 | -- |
| | 11/03/92 | -- | -- | 8,300 ⁴ | 36,000 | 69 | ND | 3,000 | 7,400 | -- |
| | 02/03/93 | -- | -- | 720 ⁵ | 370 | 2.6 | ND | 1.2 | 53 | -- |
| 5.27 | 03/01/93 | 7.63 | -2.36 | -- | -- | -- | -- | -- | -- | -- |
| | 04/01/93 | 7.25 | -1.98 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 8.46 | -3.19 | 3,100 ⁴ | 2,500 | ND | ND | 170 | 410 | -- |
| | 06/15/93 | 9.00 | -3.73 | -- | -- | -- | -- | -- | -- | -- |
| | 07/14/93 | 9.74 | -4.47 | -- | -- | -- | -- | -- | -- | -- |
| | 08/13/93 | 10.23 | -4.96 | 2,000 ⁵ | 19,000 | ND | ND | 1,600 | 4,100 | -- |
| | 09/13/93 | 10.62 | -5.35 | -- | -- | -- | -- | -- | -- | -- |
| | 10/14/93 | 10.84 | -5.57 | -- | -- | -- | -- | -- | -- | -- |
| 4.93 | 11/11/93 | 10.88 | -5.95 | 4,000 ⁴ | 16,000 | 110 | 12 | 1,800 | 3,800 | -- |
| | 12/14/93 | 9.60 | -4.67 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 9.92 | -4.99 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 8.79 | -3.86 | 170 ⁴ | 830 | 3.5 | 1.4 | 36 | 80 | -- |
| | 03/14/94 | 7.91 | -2.98 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 8.41 | -3.48 | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 8.27 | -3.34 | 2,000 ⁵ | 6,900 | 17 | ND | 480 | 1,300 | -- |
| | 06/07/94 | 8.27 | -3.34 | -- | -- | -- | -- | -- | -- | -- |
| | 07/05/94 | 8.58 | -3.65 | -- | -- | -- | -- | -- | -- | -- |
| | 08/02/94 | 8.91 | -3.98 | 2,500 ⁵ | 17,000 | 38 | ND | 1,800 | 4,300 | -- |
| | 11/07/94 | 8.64 | -3.71 | 2,200 ⁴ | 20,000 | 84 | 17 | 1,500 | 3,000 | -- |
| | 12/03/94 | 6.78 | -1.85 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 6.35 | -1.42 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 5.73 | -0.80 | ND | ND | ND | ND | ND | ND | -- |
| | 03/03/95 | 6.82 | -1.89 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 5.74 | -0.81 | 2,500 ⁴ | 5,400 | 36 | ND | 130 | 710 | -- |
| | 08/01/95 | 7.78 | -2.85 | 3,400 ⁴ | 7,900 | 21 | ND | 210 | 860 | -- |
| | 11/01/95 | 9.16 | -4.23 | 3,300 ⁴ | 4,900 | 12 | ND | 190 | 710 | 210 |
| | 02/01/96 | 4.64 | 0.29 | ND | 91 | 2.7 | ND | 1.2 | 6.8 | 7.8 |
| | 02/04/97 | 8.65 | -3.72 | -- | 130 ⁶ | 0.58 | ND | ND | ND | 150 |
| | 02/05/98 | PAVED OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/04/99 | 4.04 | 0.89 | -- | ND | ND | ND | ND | ND | ND |
| | 02/02/00 | 4.07 | 0.86 | -- | ND | ND | ND | ND | ND | ND |

Table 1
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 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) | |
|------------------|----------|--------------|--------------|-----------------------|-----------------|------------|------------|------------|------------|---------------|----|
| MW-5 | 08/28/90 | -- | -- | -- | ND | ND | ND | ND | 1.2 | -- | |
| | 11/26/90 | -- | -- | -- | ND | ND | ND | ND | ND | -- | |
| | 02/21/91 | -- | -- | -- | 56 | ND | ND | ND | 4.7 | -- | |
| | 08/05/91 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| | 11/05/91 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| | 02/07/92 | -- | -- | ND | ND | ND | ND | 0.36 | 0.94 | -- | |
| | 05/05/92 | -- | -- | 72 | ND | ND | ND | 0.42 | 1.4 | -- | |
| | 08/03/92 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| | 11/03/92 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| | 02/03/93 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| 4.61 | 03/01/93 | 6.68 | -2.07 | -- | -- | -- | -- | -- | -- | -- | |
| | 04/01/93 | 6.51 | -1.90 | -- | -- | -- | -- | -- | -- | -- | |
| | 05/17/93 | 7.75 | -3.14 | ND | ND | ND | ND | ND | ND | -- | |
| | 06/15/93 | 8.18 | -3.57 | -- | -- | -- | -- | -- | -- | -- | |
| | 07/14/93 | 8.98 | -4.37 | -- | -- | -- | -- | -- | -- | -- | |
| | 08/13/93 | 9.49 | -4.88 | ND | ND | ND | ND | ND | ND | -- | |
| | 09/13/93 | 9.88 | -5.27 | -- | -- | -- | -- | -- | -- | -- | |
| 4.27 | 10/14/93 | 10.04 | -5.43 | -- | -- | -- | -- | -- | -- | -- | |
| | 11/11/93 | 10.13 | -5.86 | ND | ND | ND | ND | ND | ND | -- | |
| | 12/14/93 | 8.85 | -4.58 | -- | -- | -- | -- | -- | -- | -- | |
| | 01/10/94 | 9.10 | -4.83 | -- | -- | -- | -- | -- | -- | -- | |
| | 02/10/94 | 7.71 | -3.44 | ND | ND | ND | ND | ND | 0.59 | -- | |
| | 03/14/94 | 7.02 | -2.75 | -- | -- | -- | -- | -- | -- | -- | |
| | 04/23/94 | 7.57 | -3.30 | -- | -- | -- | -- | -- | -- | -- | |
| | 05/05/94 | 7.38 | -3.11 | SAMPLED SEMI-ANNUALLY | | | -- | -- | -- | -- | -- |
| | 06/07/94 | 7.39 | -3.12 | -- | -- | -- | -- | -- | -- | -- | |
| | 07/05/94 | 7.72 | -3.45 | -- | -- | -- | -- | -- | -- | -- | |
| | 08/02/94 | 8.05 | -3.78 | ND | ND | ND | ND | ND | ND | -- | |
| | 11/07/94 | 7.56 | -3.29 | -- | -- | -- | -- | -- | -- | -- | |
| | 12/03/94 | 5.80 | -1.53 | -- | -- | -- | -- | -- | -- | -- | |
| 01/10/95 | 5.37 | -1.10 | -- | -- | -- | -- | -- | -- | -- | | |
| 02/01/95 | 5.24 | -0.97 | ND | ND | ND | ND | ND | ND | -- | | |
| 03/03/95 | 5.99 | -1.72 | -- | -- | -- | -- | -- | -- | -- | | |
| 05/02/95 | 5.85 | -1.58 | -- | -- | -- | -- | -- | -- | -- | | |
| 08/01/95 | 7.00 | -2.73 | ND | ND | ND | ND | ND | ND | -- | | |

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|-----------------------|--------------|--------------|--------------------|-----------------|------------|------------|------------|------------|---------------------|
| MW-5 | 11/01/95 | 8.40 | -4.13 | -- | -- | -- | -- | -- | -- | -- |
| (cont) | 02/01/96 | 5.45 | -1.18 | ND | ND | ND | ND | ND | ND | 0.72 |
| | 02/04/97 | 7.82 | -3.55 | -- | ND | ND | ND | ND | ND | ND |
| | 02/05/98 | 3.85 | 0.42 | -- | ND | ND | ND | ND | ND | 490 |
| | 02/04/99 | 5.85 | -1.58 | -- | ND | ND | ND | ND | ND | 23/26 ¹⁰ |
| | 02/02/00 | 5.94 | -1.67 | -- | ND | ND | ND | ND | ND | ND |
| MW-6 | 08/28/90 ³ | -- | -- | 1,000 | 12,000 | 1,700 | 1,400 | 230 | 2,100 | -- |
| | 11/26/90 ¹ | -- | -- | 320 | 4,800 | 1,000 | 200 | 340 | 650 | -- |
| (D) | 11/26/90 | -- | -- | -- | 4,000 | 800 | 120 | 250 | 440 | -- |
| | 02/21/91 ¹ | -- | -- | 160 | 750 | 77 | 14 | 23 | 140 | -- |
| | 08/05/91 ¹ | -- | -- | 130 | 860 | 130 | 11 | 92 | 150 | -- |
| | 11/05/91 ¹ | -- | -- | 300 | 7,100 | 200 | ND | 190 | 580 | -- |
| | 02/07/92 ¹ | -- | -- | ND | 180 | 22 | 0.68 | 22 | 20 | -- |
| | 05/05/92 ¹ | -- | -- | 47 | ND | ND | ND | ND | 1.3 | -- |
| | 08/03/92 | -- | -- | 170 ⁴ | 1,100 | 180 | 1.1 | 62 | 78 | -- |
| | 11/03/92 | -- | -- | 220 ⁴ | 920 | 45 | 0.76 | 12 | 110 | -- |
| | 02/03/93 ¹ | -- | -- | ND | ND | 1.2 | ND | ND | ND | -- |
| 4.31 | 03/01/93 | 6.20 | -1.89 | -- | -- | -- | -- | -- | -- | -- |
| | 04/01/93 | 6.04 | -1.73 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 7.50 | -3.19 | 1,400 ⁴ | 4,900 | 890 | 46 | 210 | 530 | -- |
| | 06/15/93 | 7.76 | -3.45 | -- | -- | -- | -- | -- | -- | -- |
| | 07/14/93 | 8.69 | -4.38 | -- | -- | -- | -- | -- | -- | -- |
| | 08/13/93 | 9.20 | -4.89 | 440 ⁵ | 2,300 | 330 | ND | 95 | 40 | -- |
| | 09/13/93 | 9.59 | -5.28 | -- | -- | -- | -- | -- | -- | -- |
| | 10/14/93 | 9.75 | -5.44 | -- | -- | -- | -- | -- | -- | -- |
| 4.03 | 11/11/93 | 9.87 | -5.84 | 650 ⁵ | 3,000 | 470 | ND | 220 | 270 | -- |
| | 12/14/93 | 8.60 | -4.57 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 8.81 | -4.78 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 7.23 | -3.20 | ND | ND | 3.5 | ND | 1.5 | ND | -- |
| | 03/14/94 | 6.68 | -2.65 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 7.24 | -3.21 | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 7.01 | -2.98 | 630 ⁵ | 2,600 | 430 | 99 | 24 | 420 | -- |
| | 06/07/94 | 7.02 | -2.99 | -- | -- | -- | -- | -- | -- | -- |

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 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|-----------------------|--------------|--------------|-----------------------|----------------------------|------------|-------------|--------------|--------------|-----------------------------|
| MW-6 | 07/05/94 | 7.41 | -3.38 | -- | -- | -- | -- | -- | -- | -- |
| (cont) | 08/02/94 | 7.66 | -3.63 | 2,400 ⁵ | 28,000 | 2,200 | 940 | 1,600 | 7,500 | -- |
| | 11/07/94 | 6.78 | -2.75 | 770 ⁴ | 23,000 | 3,800 | 970 | 1,400 | 4,700 | -- |
| | 12/03/94 | 5.44 | -1.41 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 5.00 | -0.97 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 4.98 | -0.95 | 2,700 ⁵ | 55,000 | 7,700 | 9,100 | 4,500 | 20,000 | -- |
| | 03/03/95 | 5.71 | -1.68 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 5.58 | -1.55 | 3,600 ⁵ | 59,000 | 4,700 | 4,400 | 4,000 | 18,000 | -- |
| | 08/01/95 | 6.76 | -2.73 | 2,800 ⁴ | 23,000 | 1,400 | 510 | 940 | 7,300 | -- |
| | 11/01/95 | 8.10 | -4.07 | 4,300 ⁴ | 24,000 | 1,100 | 200 | 1,900 | 6,000 | 170 |
| | 02/01/96 | 5.09 | -1.06 | 3,700 ⁴ | 58,000 | 2,700 | 1,800 | 4,200 | 17,000 | ND |
| | 02/04/97 | 7.61 | -3.58 | -- | 95 ⁶ | ND | 1.0 | ND | ND | 96 |
| | 02/05/98 | 4.55 | -0.52 | -- | 44,000 | 2,100 | 1,600 | 5,200 | 20,000 | 2,800 |
| | 08/28/98 ⁸ | 6.95 | -2.92 | -- | -- | -- | -- | -- | -- | -- |
| | 02/04/99 | 5.59 | -1.56 | -- | 37,000 | 480 | 250 | 2,900 | 10,000 | ND ⁹ |
| | 02/02/00 | 6.24 | -2.21 | -- | 24,300¹³ | 313 | 42.0 | 1,880 | 5,490 | 604/357¹⁰ |
| MW-7 | | | | | | | | | | |
| 4.84 | 05/11/93 | 4.52 | 0.32 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 7.00 | -2.16 | ND | ND | ND | ND | ND | ND | -- |
| | 06/15/93 | 7.47 | -2.63 | | | | | | | |
| | 07/14/93 | 8.55 | -3.71 | | | | | | | |
| | 08/13/93 | 9.23 | -4.39 | ND | ND | ND | ND | ND | ND | -- |
| | 09/13/93 | 10.08 | -5.24 | | | | | | | |
| | 10/14/93 | 10.25 | -5.41 | | | | | | | |
| 4.42 | 11/11/93 | 10.27 | -5.85 | 66 | ND | ND | ND | ND | ND | -- |
| | 12/14/93 | 8.52 | -4.10 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 9.30 | -4.88 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 7.93 | -3.51 | ND | ND | ND | ND | ND | ND | -- |
| | 03/14/94 | 6.78 | -2.36 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | INACCESSIBLE | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 7.13 | -2.71 | SAMPLED SEMI-ANNUALLY | | -- | -- | -- | -- | -- |
| | 06/07/94 | 7.09 | -2.67 | -- | -- | -- | -- | -- | -- | -- |
| | 07/05/94 | 7.49 | -3.07 | -- | -- | -- | -- | -- | -- | -- |

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Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) | |
|------------------|----------|--------------|--------------|-----------------------|-----------------|------------|------------|------------|------------|---------------|-----|
| MW-7 (cont) | 08/02/94 | 7.98 | -3.56 | ND | ND | ND | ND | ND | 0.63 | -- | |
| | 11/07/94 | 7.86 | -3.44 | -- | -- | -- | -- | -- | -- | -- | |
| | 12/03/94 | 5.95 | -1.53 | -- | -- | -- | -- | -- | -- | -- | |
| | 01/10/95 | 5.50 | -1.08 | -- | -- | -- | -- | -- | -- | -- | |
| | 02/01/95 | 5.43 | -1.01 | ND | ND | ND | ND | ND | ND | -- | |
| | 03/03/95 | 5.97 | -1.55 | -- | -- | -- | -- | -- | -- | -- | |
| | 05/02/95 | 5.73 | -1.31 | -- | -- | -- | -- | -- | -- | -- | |
| | 08/01/95 | 7.62 | -3.20 | ND | ND | ND | ND | ND | ND | -- | |
| | 11/01/95 | 8.58 | -4.16 | -- | -- | -- | -- | -- | -- | -- | |
| | 02/01/96 | 5.77 | -1.35 | 96 ^d | ND | ND | ND | ND | ND | ND | 1.4 |
| | 02/04/97 | 7.64 | -3.22 | -- | ND | ND | ND | ND | ND | ND | ND |
| | 02/05/98 | PAVED OVER | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/04/99 | 5.54 | -1.12 | -- | ND | ND | ND | ND | ND | ND | ND |
| | 02/02/00 | 5.75 | -1.33 | -- | ND | ND | ND | ND | ND | ND | ND |
| MW-8 | 11/03/92 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| | 02/03/93 | -- | -- | ND | ND | ND | ND | ND | ND | -- | |
| 5.12 | 03/01/93 | 6.64 | -1.52 | -- | -- | -- | -- | -- | -- | -- | |
| | 04/01/93 | 6.55 | -1.43 | -- | -- | -- | -- | -- | -- | -- | |
| | 05/17/93 | 8.25 | -3.13 | ND | ND | ND | ND | ND | ND | -- | |
| | 06/15/93 | 8.67 | -3.55 | -- | -- | -- | -- | -- | -- | -- | |
| | 07/14/93 | 9.47 | -4.35 | -- | -- | -- | -- | -- | -- | -- | |
| | 08/13/93 | 10.00 | -4.88 | ND | ND | ND | ND | ND | ND | -- | |
| | 09/13/93 | 10.40 | -5.28 | -- | -- | -- | -- | -- | -- | -- | |
| | 10/14/93 | 10.23 | -5.11 | -- | -- | -- | -- | -- | -- | -- | |
| | 4.43 | 11/11/93 | 10.22 | -5.79 | ND | ND | ND | ND | ND | ND | -- |
| | | 12/14/93 | 9.00 | -4.57 | -- | -- | -- | -- | -- | -- | -- |
| 01/10/94 | | 9.17 | -4.74 | -- | -- | -- | -- | -- | -- | -- | |
| 02/10/94 | | 7.23 | -2.80 | ND | ND | ND | ND | ND | ND | -- | |
| 03/14/94 | | 6.94 | -2.51 | -- | -- | -- | -- | -- | -- | -- | |
| 04/23/94 | | 7.63 | -3.20 | -- | -- | -- | -- | -- | -- | -- | |
| 05/05/94 | | 7.39 | -2.96 | SAMPLED SEMI-ANNUALLY | | | -- | -- | -- | -- | -- |
| 06/07/94 | 7.44 | -3.01 | -- | -- | -- | -- | -- | -- | -- | | |
| 07/05/94 | 7.86 | -3.43 | -- | -- | -- | -- | -- | -- | -- | | |

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|----------|--------------|--------------|-----------------------|-----------------|------------|------------|------------|------------|---------------|
| MW-8 | 08/02/94 | 8.23 | -3.80 | ND | ND | ND | ND | ND | ND | -- |
| (cont) | 11/07/94 | 6.56 | -2.13 | -- | -- | -- | -- | -- | -- | -- |
| | 12/03/94 | 5.60 | -1.17 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 4.90 | -0.47 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 5.02 | -0.59 | ND | ND | ND | ND | ND | ND | -- |
| | 03/03/95 | 5.81 | -1.38 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 5.73 | -1.30 | -- | -- | -- | -- | -- | -- | -- |
| | 08/01/95 | 7.11 | -2.68 | ND | ND | ND | ND | ND | ND | -- |
| | 11/01/95 | 8.98 | -4.55 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/96 | 5.52 | -1.09 | 110 ⁴ | ND | ND | ND | ND | ND | 1.3 |
| | 02/04/97 | 8.07 | -3.64 | -- | ND | ND | ND | ND | ND | ND |
| | 02/05/98 | 4.97 | -0.54 | -- | ND | ND | ND | ND | ND | ND |
| | 02/04/99 | 6.12 | -1.69 | -- | ND | ND | ND | ND | ND | ND |
| | 02/02/00 | 6.11 | -1.68 | -- | ND | ND | ND | ND | ND | ND |
| MW-9 | 11/03/92 | -- | -- | ND | ND | ND | ND | ND | ND | -- |
| | 02/03/93 | -- | -- | ND | ND | ND | ND | ND | ND | -- |
| 4.84 | 03/01/93 | 6.22 | -1.38 | -- | -- | -- | -- | -- | -- | -- |
| | 04/01/93 | 6.17 | -1.33 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 7.95 | -3.11 | ND | ND | ND | ND | ND | ND | -- |
| | 06/15/93 | 8.34 | -3.50 | -- | -- | -- | -- | -- | -- | -- |
| | 07/14/93 | 9.13 | -4.29 | -- | -- | -- | -- | -- | -- | -- |
| | 08/13/93 | 9.69 | -4.85 | ND | ND | ND | ND | ND | ND | -- |
| | 09/13/93 | 10.10 | -5.26 | -- | -- | -- | -- | -- | -- | -- |
| | 10/14/93 | 10.23 | -5.39 | -- | -- | -- | -- | -- | -- | -- |
| 4.60 | 11/11/93 | 10.39 | -5.79 | ND | ND | ND | ND | ND | ND | -- |
| | 12/14/93 | 9.14 | -4.54 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 9.27 | -4.67 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 7.20 | -2.60 | ND | ND | ND | ND | ND | ND | -- |
| | 03/14/94 | 7.06 | -2.46 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 7.79 | -3.19 | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 7.52 | -2.92 | SAMPLED SEMI-ANNUALLY | | -- | -- | -- | -- | -- |
| | 06/07/94 | 7.54 | -2.94 | -- | -- | -- | -- | -- | -- | -- |
| | 07/05/94 | 7.98 | -3.38 | -- | -- | -- | -- | -- | -- | -- |

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 845 66th Avenue
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| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|----------|--------------|--------------|------------------|--------------------|------------|------------|------------|------------|---------------|
| MW-9 (cont) | 08/02/94 | 8.34 | -3.74 | ND | ND | ND | ND | ND | ND | -- |
| | 11/07/94 | 6.44 | -1.84 | -- | -- | -- | -- | -- | -- | -- |
| | 12/03/94 | 5.68 | -1.08 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 4.98 | -0.38 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 5.18 | -0.58 | 65 ⁴ | ND | ND | ND | ND | ND | -- |
| | 03/03/95 | 5.90 | -1.30 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 5.86 | -1.26 | -- | -- | -- | -- | -- | -- | -- |
| | 08/01/95 | 7.30 | -2.70 | ND | ND | ND | ND | ND | ND | -- |
| | 11/01/95 | 8.66 | -4.06 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/96 | 5.14 | -0.54 | 76 ⁴ | ND | ND | ND | ND | ND | ND |
| | 02/04/97 | 8.12 | -3.52 | -- | ND | ND | ND | ND | ND | ND |
| | 02/05/98 | 4.95 | -0.35 | -- | ND | ND | ND | ND | ND | ND |
| | 02/04/99 | 5.81 | -1.21 | -- | ND | ND | ND | ND | ND | ND |
| | 02/02/00 | 5.71 | -1.11 | -- | ND | ND | ND | ND | ND | ND |
| MW-10 3.34 2.69 | 11/03/92 | -- | -- | 160 ⁴ | 740 | 11 | 2.1 | 32 | 56 | -- |
| | 02/03/93 | -- | -- | ND | 1,200 ⁶ | ND | ND | ND | ND | -- |
| | 03/01/93 | 5.82 | -2.48 | -- | -- | -- | -- | -- | -- | -- |
| | 04/01/93 | 5.69 | -2.35 | -- | -- | -- | -- | -- | -- | -- |
| | 05/17/93 | 7.04 | -3.70 | ND | 1,200 ⁶ | ND | ND | ND | ND | -- |
| | 06/15/93 | 7.22 | -3.88 | -- | -- | -- | -- | -- | -- | -- |
| | 07/14/93 | 8.01 | -4.67 | -- | -- | -- | -- | -- | -- | -- |
| | 08/13/93 | 8.42 | -5.08 | 97 ⁵ | 1,500 ⁷ | ND | ND | 41 | 21 | -- |
| | 09/13/93 | 8.74 | -5.40 | -- | -- | -- | -- | -- | -- | -- |
| | 10/14/93 | 8.57 | -5.23 | -- | -- | -- | -- | -- | -- | -- |
| | 11/11/93 | 8.59 | -5.90 | 88 ⁵ | 1,600 ⁶ | ND | ND | ND | ND | -- |
| | 12/14/93 | 7.50 | -4.81 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/94 | 7.69 | -5.00 | -- | -- | -- | -- | -- | -- | -- |
| | 02/10/94 | 8.21 | -5.52 | 71 | 1,480 ⁶ | ND | ND | ND | ND | -- |
| | 03/14/94 | 5.56 | -2.87 | -- | -- | -- | -- | -- | -- | -- |
| | 04/23/94 | 6.22 | -3.53 | -- | -- | -- | -- | -- | -- | -- |
| | 05/05/94 | 6.03 | -3.34 | 55 | 1,000 ⁶ | ND | ND | ND | ND | -- |
| 06/07/94 | 6.10 | -3.41 | -- | -- | -- | -- | -- | -- | -- | |
| 07/05/94 | 6.38 | -3.69 | -- | -- | -- | -- | -- | -- | -- | |

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Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

| Well ID/ TOC* | Date | DTW (ft.) | GWE (msl) | TPH(D) (ppb) | TPH(G) (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-------------------|----------|--------------|--------------|------------------|--------------------|-----------------|-----------------|-----------------|-----------------|--------------------------|
| MW-10 | 08/02/94 | 6.67 | -3.98 | 110 | 95 ⁶ | ND | ND | ND | ND | -- |
| (cont) | 11/07/94 | 6.08 | -3.39 | 120 ⁵ | 1,100 ⁶ | ND | ND | ND | ND | -- |
| | 12/03/94 | 4.68 | -1.99 | -- | -- | -- | -- | -- | -- | -- |
| | 01/10/95 | 4.21 | -1.52 | -- | -- | -- | -- | -- | -- | -- |
| | 02/01/95 | 4.26 | -1.57 | 72 ⁴ | 560 ⁶ | ND | ND | ND | ND | -- |
| | 03/03/95 | 4.94 | -2.25 | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/95 | 4.80 | -2.11 | 99 | 840 ⁶ | ND | ND | ND | 9.5 | -- |
| | 08/01/95 | 5.79 | -3.10 | 260 | ND | ND | ND | ND | ND | -- |
| | 11/01/95 | 6.95 | -4.26 | 280 | ND | ND | ND | ND | ND | 830 |
| | 02/01/96 | 4.31 | -1.62 | 320 ⁴ | ND | ND | ND | ND | ND | 1,300 |
| | 02/04/97 | 6.59 | -3.90 | -- | ND | ND | ND | ND | ND | ND |
| | 02/05/98 | 3.76 | -1.07 | -- | ND | ND | ND | ND | ND | 500 |
| | 02/04/99 | 4.68 | -1.99 | -- | ND ⁹ | ND ⁹ | ND ⁹ | ND ⁹ | ND ⁹ | 620/850 ^{10,11} |
| | 02/02/00 | 4.85 | -2.16 | -- | ND | ND | ND | ND | ND | 737/696 ¹⁰ |
| MWD | | | | | | | | | | |
| (D)(MW6) | 02/22/91 | -- | -- | -- | 740 | 74 | 12 | 33 | 140 | -- |
| Trip Blank | | | | | | | | | | |
| TB-LB | 02/05/98 | -- | -- | -- | ND | ND | ND | ND | ND | ND |
| | 02/04/99 | -- | -- | -- | ND | ND | ND | ND | ND | ND |
| | 02/12/99 | -- | -- | -- | ND | ND | ND | ND | ND | ND |
| | 02/02/00 | -- | -- | -- | ND | ND | ND | ND | ND | ND |

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 5, 1998, were compiled from reports prepared by MPDS Services, Inc.

| | | |
|---|------------------------------------|--------------------------------|
| TOC = Top of Casing elevation | B = Benzene | (D) = Duplicate |
| DTW = Depth to Water | T = Toluene | ppb = Parts per billion |
| (ft.) = Feet | E = Ethylbenzene | ppm = Parts per million |
| GWE = Groundwater Elevation | X = Xylenes | ND = Not Detected |
| msl = Relative to mean sea level | MTBE = Methyl tertiary butyl ether | -- = Not Measured/Not Analyzed |
| TPH(D) = Total Petroleum Hydrocarbons as Diesel | | TOG = Total Oil and Grease |
| TPH(G) = Total Petroleum Hydrocarbons as Gasoline | | |

* TOC elevations are relative to Mean Sea Level (msl), per the City of Oakland Benchmark No. 3881 (Elevation = 4.72 feet msl). Prior to November 11, 1999, DTW measurements were taken from the top of well covers.

- 1 TOG was ND.
- 2 TOG was detected at a concentration of 78 ppb.
- 3 TOG was detected at a concentration of 16 ppb.
- 4 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 5 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- 6 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 7 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 8 ORC installed in well.
- 9 Detection limit raised. Refer to analytical reports.
- 10 MTBE by EPA Method 8260.
- 11 Laboratory analyzed sample 9 minutes past holding time.
- 12 Laboratory report indicates weathered gasoline C6-C12.
- 13 Laboratory report indicates gasoline C6-C12.
- 14 Laboratory report indicates MTBE by EPA Method 8260 was analyzed past EPA recommended holding time.

Table 2
Dissolved Oxygen Compounds
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID | Date | Before Purging (mg/L) | After Purging (mg/L) |
|-------------------|-----------------|--------------------------|-------------------------|
| MW-1 | 02/04/99 | 3.56 | -- |
| | 02/02/00 | 3.83 | -- |
| MW-2 | 08/28/98 | 0.70 | -- |
| | 02/04/99 | 3.64 | -- |
| | 02/02/00 | 3.28 | -- |
| MW-3 | 02/04/99 | 5.34 | -- |
| | 02/02/00 | 6.06 | -- |
| MW-4 | 02/04/99 | 6.46 | -- |
| | 02/02/00 | 5.93 | -- |
| MW-5 | 02/04/99 | 6.65 | -- |
| | 02/02/00 | 6.35 | -- |
| MW-6 ¹ | 08/29/98 | 0.32 | -- |
| | 02/05/99 | 2.78 | -- |
| | 02/02/00 | 3.12 | -- |
| MW-7 | 02/04/99 | 5.05 | -- |
| | 02/02/00 | 4.58 | -- |
| MW-8 | 08/28/98 | 0.32 | -- |
| | 02/04/99 | 4.95 | -- |
| | 02/02/00 | 5.24 | -- |
| MW-9 | 02/04/99 | 4.77 | -- |
| | 02/02/00 | 5.12 | -- |
| MW-10 | 02/04/99 | 4.02 | -- |
| | 02/02/00 | 4.84 | -- |

EXPLANATIONS:

mg/L = milligrams per liter
 -- = Not Measured

NOTES:

¹ ORC installed in well.

Table 3
Groundwater Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID | Date | Nitrate as NO ₃ (ppm) | Sulfate (ppm) | Redox Potential (mV) | Ferrous Iron (ppm) |
|---------|-------------|--|------------------|----------------------------|--------------------------|
| MW-1 | 02/04/99 | 7.0 | 4.4 | -054 ¹ | -- |
| | NP 02/12/99 | -- | -- | 470 | 3.3 |
| | 02/02/00 | ND | 13.7 | 484 | 0.0456 |
| MW-2 | 02/04/99 | ND | 12 | -104 ¹ | -- |
| | NP 02/12/99 | -- | -- | 380 | 4.3 |
| | 02/02/00 | ND | 15.2 | 55.3 ² | 1.70 |
| MW-3 | 02/04/99 | ND | 47 | -064 ¹ | -- |
| | NP 02/12/99 | -- | -- | 460 | 1.4 |
| | 02/02/00 | ND | 26.0 | 45.0 | 0.123 |
| MW-4 | 02/04/99 | 5.4 | 15 | 007 ¹ | -- |
| | NP 02/12/99 | -- | -- | 610 | 6.0 |
| | 02/02/00 | 10.3 | 38.4 | 61.0 | 3.00 |
| MW-5 | 02/04/99 | 10 | 79 | 102 ¹ | -- |
| | NP 02/12/99 | -- | -- | 480 | 0.16 |
| | 02/02/00 | 12.1 | 98.4 | 83.7 | 0.0208 |
| MW-6 | 02/04/99 | ND | 4.8 | -034 ¹ | -- |
| | NP 02/12/99 | -- | -- | 400 | 3.2 |
| | 02/02/00 | ND | 8.91 | 71.5 | 0.217 |
| MW-7 | 02/04/99 | ND | 4.6 | -071 ¹ | -- |
| | NP 02/12/99 | -- | -- | 450 | 1.8 |
| | 02/02/00 | ND | 6.43 | 84.0 | 0.812 |
| MW-8 | 02/04/99 | ND | 41 | 90 ¹ | -- |
| | NP 02/12/99 | -- | -- | 470 | 0.15 |
| | 02/02/00 | ND | 47.5 | 111 | ND |
| MW-9 | 02/04/99 | 22 | 30 | 78 ¹ | -- |
| | NP 02/12/99 | -- | -- | 470 | 0.26 |
| | 02/02/00 | 20.6 | 36.5 | 172 | ND |

Table 3
Groundwater Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

| Well ID | Date | Nitrate as NO ₃ (ppm) | Sulfate (ppm) | Redox Potential (mV) | Ferrous Iron (ppm) |
|---------|-------------|--|------------------|----------------------------|--------------------------|
| MW-10 | 02/04/99 | ND | 36 | 94 ¹ | -- |
| | NP 02/12/99 | -- | -- | 470 | 0.24 |
| | 02/02/00 | ND | 40.1 | 110 | 0.0165 |

EXPLANATIONS:

ppm = Parts per million

mV = millivolts

-- = Not Analyzed

¹ Redox Potential was measured in the field.

² Laboratory report indicates this value is actually negative.

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 a MMC flexi-dip 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 Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 3135
Address: 845 66th Ave.
City: Oakland

Job#: 180067
Date: 2-2-00
Sampler: Joc

Well ID MW-1

Well Condition: O.K.

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 22.65 ft.

Depth to Water 6.69 ft.

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

15.96 X VF 0.17 = 2.71 X 3 (case volume) = Estimated Purge Volume: 8.5 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

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

Starting Time: 11:00
Sampling Time: 1:30 P.M.
Purging Flow Rate: 1 gpm.
Did well de-water? _____

Weather Conditions: cloudy
Water Color: clear Odor: none
Sediment Description: none
If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^3$ | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|--|----------------|-------------|----------|------------------|
| <u>1:12</u> | <u>3</u> | <u>7.29</u> | <u>3.65</u> | <u>70.2</u> | <u>3.83</u> | | |
| <u>1:14</u> | <u>6</u> | <u>7.35</u> | <u>3.66</u> | <u>71.1</u> | | | |
| <u>1:15</u> | <u>8.5</u> | <u>7.42</u> | <u>3.75</u> | <u>71.6</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|----------|---------------|----------------|---------------------------------------|
| <u>MW-1</u> | <u>3V0A</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - by 8264</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>"</u> | <u>Nitrate, Sulfate, Ferrous Iron</u> |
| | | | | | <u>Redox Potentials</u> |
| | | | | | |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joe

Well ID MW-2 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 2 (feet) (product/water): 0 (Gallons)
 Total Depth 22.50 ft.
 Depth to Water 5.35 ft.

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

17.15 X VF 0.17 = 2.92 X 3 (case volume) = Estimated Purge Volume: 9 (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
~~Suction~~
 Grundfos
 Other: _____

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

Starting Time: 8:15 Weather Conditions: cloudy
 Sampling Time: 8:42 AM Water Color: clear Odor: yes
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^5$ | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|--|----------------|-------------|----------|------------------|
| <u>8:25</u> | <u>3</u> | <u>7.10</u> | <u>3.06</u> | <u>70.7</u> | <u>3.28</u> | | |
| <u>8:27</u> | <u>6</u> | <u>7.14</u> | <u>3.16</u> | <u>71.2</u> | | | |
| <u>8:29</u> | <u>9</u> | <u>7.16</u> | <u>3.18</u> | <u>71.5</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|-----------|---------------|----------------|--|
| <u>MW-2</u> | <u>3 VOA</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(GI)/btex/mtbe - by 826.</u> |
| | <u>2 plastic</u> | <u>//</u> | <u>-</u> | <u>//</u> | <u>(Nitrate, Sulfate, Ferrous Iron</u> |
| | | | | | <u>Redox Potentials)</u> |
| | | | | | |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joe

Well ID MW-3 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 0 (feet) (product/water): 0 (Gallons)
 Total Depth 21.70 ft.
 Depth to Water 5.16 ft.

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

16.54 x VF 0.17 = 2.81 x 3 (case volume) = Estimated Purge Volume: 8.5 (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
~~Suction~~
 Grundfos
 Other: _____

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

Starting Time: 12:18 Weather Conditions: cloudy
 Sampling Time: 12:45 p.m. Water Color: clear Odor: None
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ 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>12:26</u> | <u>3</u> | <u>7.62</u> | <u>8.38</u> | <u>70.2</u> | <u>6.66</u> | | |
| <u>12:28</u> | <u>6</u> | <u>7.51</u> | <u>8.40</u> | <u>69.8</u> | | | |
| <u>12:30</u> | <u>8.5</u> | <u>7.41</u> | <u>8.42</u> | <u>70.5</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|----------|---------------|----------------|---------------------------------------|
| <u>MW-3</u> | <u>3 x 0.4</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - by 826</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>"</u> | <u>Nitrate, Sulfate, Ferrous Iron</u> |
| | | | | | <u>Redox Potentials</u> |
| | | | | | |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 3135 Job#: 180067
Address: 845 66th Ave. Date: 2-2-00
City: Oakland Sampler: Joe

Well ID MW-A Well Condition: O.K.
Well Diameter 2 in. Hydrocarbon Amount Bailed
Thickness: 0 (feet) (product/water): 0 (Gallons)
Total Depth 25.15 ft.
Depth to Water 4.07 ft.

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

21.08 x VF 0.17 = 3.58 x 3 (case volume) = Estimated Purge Volume: 11 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

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

Starting Time: 6:50 Weather Conditions: cloudy
Sampling Time: 7:15 AM Water Color: clear Odor: None
Purging Flow Rate: 1 gpm Sediment Description: None
Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^3$ | Temperature $^{\circ}\text{F}$ | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|--|--------------------------------|-------------|----------|------------------|
| <u>7:00</u> | <u>4</u> | <u>7.37</u> | <u>7.12</u> | <u>71.1</u> | <u>5.93</u> | | |
| <u>7:02</u> | <u>8</u> | <u>7.48</u> | <u>7.17</u> | <u>71.2</u> | | | |
| <u>7:04</u> | <u>11</u> | <u>7.53</u> | <u>7.20</u> | <u>71.5</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|-----------|---------------|----------------|---------------------------------------|
| <u>MW-A</u> | <u>3 vials</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - by 826</u> |
| | <u>2 plastic</u> | <u>''</u> | <u>-</u> | <u>''</u> | <u>Nitrate, Sulfate, Ferrous Iron</u> |
| | | | | | <u>Redox Potential</u> |
| | | | | | |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joe

Well ID MW-5 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 0 (feet) (product/water): 0 (Gallons)
 Total Depth 26.00 ft.
 Depth to Water 5.94 ft.

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

20.06 x VF 0.17 = 3.41 x 3 (case volume) = Estimated Purge Volume: 10.5 (gal.)

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

Starting Time: 11:35 Weather Conditions: cloudy
 Sampling Time: 12:05 p.m. Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^5$ | Temperature $^{\circ}\text{F}$ | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|--|--------------------------------|-------------|----------|------------------|
| <u>11:45</u> | <u>4</u> | <u>7.60</u> | <u>6.67</u> | <u>69.2</u> | <u>6.35</u> | | |
| <u>11:47</u> | <u>7.5</u> | <u>7.40</u> | <u>6.60</u> | <u>71.2</u> | | | |
| <u>11:49</u> | <u>10.5</u> | <u>7.33</u> | <u>6.57</u> | <u>71.1</u> | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|----------|---------------|----------------|--|
| <u>MW-5</u> | <u>3 vials</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/bTEX/mtbe - b. 1826</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>''</u> | <u>Nitrate, Sulfate, Ferrrous Iron</u> |
| | | | | | <u>Redox Potentials</u> |
| | | | | | |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Thickness: 2 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 25.80 ft.
 Depth to Water 6.24 ft.

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

19.56 x VF 0.17 = 3.32 x 3 (case volume) = Estimated Purge Volume: 10 (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
~~Suction~~
 Grundfos
 Other: _____

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

Starting Time: 1:45 Weather Conditions: cloudy
 Sampling Time: 2:12pm Water Color: clear Odor: yes
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^3$ | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|--|----------------|-------------|----------|------------------|
| <u>1:52</u> | <u>3.5</u> | <u>7.20</u> | <u>5.57</u> | <u>70.2</u> | <u>3.12</u> | | |
| <u>1:54</u> | <u>7</u> | <u>7.17</u> | <u>5.56</u> | <u>70.5</u> | | | |
| <u>1:56</u> | <u>10</u> | <u>7.22</u> | <u>5.51</u> | <u>70.8</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE / | LABORATORY | ANALYSES |
|-------------|------------------|----------|-----------------|----------------|---|
| <u>MW-6</u> | <u>3 vial</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - b, 826</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>"</u> | <u>Nitrate, Sulfate, Ferric Iron</u> <u>Redox Potentials</u> |
| | | | | | |

COMMENTS: Well Gas ORC

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joe

Well ID MW-7 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 2 (feet) (product/water): 0 (Gallons)
 Total Depth 19.85 ft.
 Depth to Water 5.75 ft.

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

14.1 x VF 0.17 = 2.40 x 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: _____ Disposable Bailer _____
 Bailer _____
 Stack _____
~~Suction~~ _____
 Grundfos _____
 Other: _____
 Sampling Equipment: Disposable Bailer
 Bailer _____
 Pressure Bailer _____
 Grab Sample _____
 Other: _____

Starting Time: 7:30 Weather Conditions: cloudy
 Sampling Time: 7:58 AM Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ 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>7:42</u> | <u>2.5</u> | <u>7.58</u> | <u>7.20</u> | <u>70.7</u> | <u>4.58</u> | | |
| <u>7:43</u> | <u>5</u> | <u>7.42</u> | <u>6.54</u> | <u>71.0</u> | | | |
| <u>7:44</u> | <u>7.5</u> | <u>7.35</u> | <u>6.49</u> | <u>71.2</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|----------|---------------|----------------|---------------------------------------|
| <u>MW-7</u> | <u>30A</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - by 826</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>''</u> | <u>Nitrate, Sulfate, Ferrous Iron</u> |
| | | | | | <u>Redox Potentioc</u> |
| | | | | | |

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joc

Well ID MW-8 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 0 (feet) (product/water): 0 (Gallons)
 Total Depth 23.10 ft.
 Depth to Water 6.11 ft.

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

16.99 x VF 0.17 = 2.89 x 3 (case volume) = Estimated Purge Volume: 9 (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
~~Suction~~
 Grundfos
 Other: _____

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

Starting Time: 10:47 Weather Conditions: cloudy
 Sampling Time: 11:15 AM Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^3$ | Temperature $^{\circ}\text{F}$ | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|--|--------------------------------|-------------|----------|------------------|
| <u>10:55</u> | <u>7</u> | <u>7.58</u> | <u>8.42</u> | <u>70.9</u> | <u>5.24</u> | | |
| <u>10:58</u> | <u>6</u> | <u>7.35</u> | <u>8.60</u> | <u>71.5</u> | | | |
| <u>11:00</u> | <u>9</u> | <u>7.27</u> | <u>8.62</u> | <u>71.7</u> | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|----------|---------------|----------------|---------------------------------------|
| <u>MW-8</u> | <u>30A</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - by 826.</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>"</u> | <u>Nitrate, Sulfate, Ferrous Iron</u> |
| | | | | | <u>Redox Potentials</u> |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3135 Job#: 180067
 Address: 845 66th Ave. Date: 2-2-00
 City: Oakland Sampler: Joe

Well ID MW-9 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 2 (feet) (product/water): 0 (Gallons)
 Total Depth 23.05 ft.
 Depth to Water 5.71 ft.

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

17.34 x VF 0.17 = 2.95 x 3 (case volume) = Estimated Purge Volume: 9 (gal.)

Purge Equipment: _____ Disposable Bailer _____
 Bailer _____
 Stack _____
 Suction _____
 Grundfos _____
 Other: _____

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

Starting Time: 10:05 Weather Conditions: cloudy
 Sampling Time: 10:35 AM Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^3$ | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|--|----------------|-------------|----------|------------------|
| <u>10:20</u> | <u>3</u> | <u>7.90</u> | <u>6.71</u> | <u>71.2</u> | <u>5.12</u> | | |
| <u>10:21</u> | <u>6</u> | <u>7.50</u> | <u>6.65</u> | <u>71.1</u> | | | |
| <u>10:23</u> | <u>9</u> | <u>7.52</u> | <u>6.67</u> | <u>71.1</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-------------|------------------|----------|---------------|----------------|--|
| <u>MW-9</u> | <u>3 vial</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(G)/btex/mtbe - by 826</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>"</u> | <u>Nitrate, Sulfate, Ferrrous Iron</u> |
| | | | | | <u>Redox Potentioc</u> |
| | | | | | |

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 3135 Job#: 180067
Address: 845 66th Ave. Date: 2-2-00
City: Oakland Sampler: Joc

Well ID MW-10 Well Condition: O.K.
Well Diameter 2 in. Hydrocarbon Amount Bailed
Thickness: 0 (feet) (product/water): 0 (Gallons)
Total Depth 23.05 ft.
Depth to Water 4.85 ft.

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

18.2 x VF 0.17 = 3.09 x 3 (case volume) = Estimated Purge Volume: 9.5 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

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

Starting Time: 9:15 Weather Conditions: cloudy
Sampling Time: 9:46 a.m. Water Color: clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description: none
Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu\text{mhos/cm} \times 10^5$ | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------------|---------------|-------------|--|----------------|-------------|----------|------------------|
| <u>9:28</u> | <u>3</u> | <u>7.45</u> | <u>6.30</u> | <u>70.2</u> | <u>4.84</u> | | |
| <u>9:30</u> | <u>6</u> | <u>7.48</u> | <u>6.42</u> | <u>71.1</u> | | | |
| <u>9:32</u> | <u>9.5</u> | <u>7.51</u> | <u>6.47</u> | <u>71.1</u> | | | |
| | | | | | | | |
| | | | | | | | |

LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE / | LABORATORY | ANALYSES |
|--------------|------------------|----------|-----------------|----------------|--------------------------------------|
| <u>MW-10</u> | <u>3 v o A</u> | <u>Y</u> | <u>HCC</u> | <u>SEQUOIA</u> | <u>TPH(GI)/btex/mtbe - by 826</u> |
| | <u>2 plastic</u> | <u>Y</u> | <u>-</u> | <u>Y</u> | <u>Nitrate, Sulfate, Ferric Iron</u> |
| | | | | | <u>Redox Potentials</u> |
| | | | | | |

COMMENTS: _____



Sequoia
Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

RECEIVED

February 17, 2000

RE: TOSCO

GETTLER-RYAN INC.
GENERAL CONTRACTOR

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

RE: Tosco(4)/L002021

Dear Deanna Harding:

Enclosed are the results of analyses for sample(s) received by the laboratory on February 2, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360





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

Project: Tosco(4)
Project Number: Unocal SS#3135
Project Manager: Deanna Harding

Sampled: 2/2/00
Received: 2/2/00
Reported: 2/17/00

ANALYTICAL REPORT FOR L002021

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|--------------------|--------------------------|---------------|--------------|
| TB-LB | L002021-01 | Water | 2/2/00 |
| MW-1 | L002021-02 | Water | 2/2/00 |
| MW-2 | L002021-03 | Water | 2/2/00 |
| MW-3 | L002021-04 | Water | 2/2/00 |
| MW-4 | L002021-05 | Water | 2/2/00 |
| MW-5 | L002021-06 | Water | 2/2/00 |
| MW-6 | L002021-07 | Water | 2/2/00 |
| MW-7 | L002021-08 | Water | 2/2/00 |
| MW-8 | L002021-09 | Water | 2/2/00 |
| MW-9 | L002021-10 | Water | 2/2/00 |
| MW-10 | L002021-11 | Water | 2/2/00 |





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: TB-LB
Laboratory Sample Number: L002021-01

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|---|---------|---------|---------|----------|-------|------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/14/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | ND | " | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | " | " | " | 70.0-130 | | 84.8 | % | |





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-1
Laboratory Sample Number: L002021-02

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|---|---------|---------|---------|----------|-------|------|------|---|
| Purgeable Hydrocarbons as Gasoline | 0020085 | 2/16/00 | 2/16/00 | | 50.0 | 174 | ug/l | 1 |
| Benzene | " | " | " | | 0.500 | 5.70 | " | |
| Toluene | " | " | " | | 0.500 | 1.41 | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | 0020083 | " | " | | 50.0 | 839 | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 0020085 | " | " | 70.0-130 | | 101 | % | |

MTBE by EPA Method 8260A

| | | | | | | | | |
|---|---------|---------|---------|----------|------|------|------|--|
| Methyl tert-butyl ether | 0020082 | 2/16/00 | 2/16/00 | | 20.0 | 787 | ug/l | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | " | " | " | 76.0-114 | | 99.8 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|---------------------|---------|---------|---------|-----------|--------|--------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 0.0456 | mg/l | |
|---------------------|---------|---------|---------|-----------|--------|--------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|-----------------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 13.7 | " | |

Subcontracted Analyses

| | | | | | | | | |
|--------------------------------------|---------|--------|--------|--------------|------|-----|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 484 | mv | |
|--------------------------------------|---------|--------|--------|--------------|------|-----|----|--|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-2
Laboratory Sample Number: L002021-03

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|--|---------|---------|---------|----------|-------|------------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | 163 | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | " | " | 70.0-130 | | 98.3 | % | |

MTBE by EPA Method 8260A

| | | | | | | | | |
|---|---------|---------|---------|----------|------|------------|------|--|
| Methyl tert-butyl ether | 0020088 | 2/16/00 | 2/16/00 | | 2.00 | 150 | ug/l | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | " | " | " | 76.0-114 | | 84.2 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|---------------------|---------|---------|---------|-----------|--------|-------------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 1.70 | mg/l | |
|---------------------|---------|---------|---------|-----------|--------|-------------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|-------------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 15.2 | " | |

Subcontracted Analyses

| | | | | | | | | |
|--------------------------------------|---------|--------|--------|--------------|------|-------------|----|------|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 55.3 | mv | A-01 |
|--------------------------------------|---------|--------|--------|--------------|------|-------------|----|------|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-3
Laboratory Sample Number: L002021-04

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|------------------------------------|---------|---------|---------|----------|-------|-----|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | 250 | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 100 | % | |

MTBE by EPA Method 8260A

| | | | | | | | | |
|----------------------------------|---------|---------|---------|----------|------|-----|------|---|
| Methyl tert-butyl ether | 0020090 | 2/17/00 | 2/17/00 | | 10.0 | 346 | ug/l | 4 |
| Surrogate: 1,2-Dichloroethane-d4 | " | " | " | 76.0-114 | | 105 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|-------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 0.123 | mg/l | |
|--------------|---------|---------|---------|-----------|--------|-------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 26.0 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 45.0 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-4
Laboratory Sample Number: L002021-05

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|--|---------|---------|---------|----------|-------|------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | ND | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | " | " | 70.0-130 | | 87.8 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 3.00 | mg/l | |
|--------------|---------|---------|---------|-----------|--------|------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | 10.3 | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 38.4 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 61.0 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-5
Laboratory Sample Number: L002021-06

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|------------------------------------|---------|---------|---------|----------|-------|------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 87.9 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|--------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 0.0208 | mg/l | |
|--------------|---------|---------|---------|-----------|--------|--------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | 12.1 | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 98.4 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 83.7 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|





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|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-6
Laboratory Sample Number: L002021-07

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|------------------------------------|---------|---------|---------|----------|------|-------|------|---|
| Purgeable Hydrocarbons as Gasoline | 0020075 | 2/15/00 | 2/15/00 | | 2500 | 24300 | ug/l | 2 |
| Benzene | " | " | " | | 25.0 | 313 | " | |
| Toluene | " | " | " | | 25.0 | 42.0 | " | |
| Ethylbenzene | " | " | " | | 25.0 | 1880 | " | |
| Xylenes (total) | " | " | " | | 25.0 | 5490 | " | |
| Methyl tert-butyl ether | " | " | " | | 250 | 604 | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 102 | % | |

MTBE by EPA Method 8260A

| | | | | | | | | |
|----------------------------------|---------|---------|---------|----------|------|------|------|--|
| Methyl tert-butyl ether | 0020088 | 2/16/00 | 2/16/00 | | 10.0 | 357 | ug/l | |
| Surrogate: 1,2-Dichloroethane-d4 | " | " | " | 76.0-114 | | 84.6 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|-------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 0.217 | mg/l | |
|--------------|---------|---------|---------|-----------|--------|-------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 8.91 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 71.5 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-7
Laboratory Sample Number: L002021-08

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|---|---------|---------|---------|----------|-------|------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | ND | " | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | " | " | " | 70.0-130 | | 96.8 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|-------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 0.812 | mg/l | |
|--------------|---------|---------|---------|-----------|--------|-------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 6.43 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 84.0 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|------|----|--|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-8
Laboratory Sample Number: L002021-09

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|--|---------|---------|---------|----------|-------|------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | ND | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | " | " | 70.0-130 | | 90.0 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|----|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | ND | mg/l | |
|--------------|---------|---------|---------|-----------|--------|----|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 47.5 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|-----|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 111 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|-----|----|--|





| | | |
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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-9
Laboratory Sample Number: L002021-10

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|------------------------------------|---------|---------|---------|----------|-------|------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020064 | 2/14/00 | 2/15/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 5.00 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 81.6 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|----|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | ND | mg/l | |
|--------------|---------|---------|---------|-----------|--------|----|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | 20.6 | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 36.5 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|-----|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 172 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|-----|----|--|





| | | |
|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Sample Description: MW-10
Laboratory Sample Number: L002021-11

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method/ Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|
|---------|--------------|---------------|---------------|--------------------------------------|-----------------|--------|-------|--------|

Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

| | | | | | | | | |
|--|---------|---------|---------|----------|-------|------------|------|--|
| Purgeable Hydrocarbons as Gasoline | 0020085 | 2/16/00 | 2/16/00 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | 0020083 | " | " | | 50.0 | 737 | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 0020085 | " | " | 70.0-130 | | 96.4 | % | |

MTBE by EPA Method 8260A

| | | | | | | | | |
|---|---------|---------|---------|----------|------|------|------|--|
| Methyl tert-butyl ether | 0020088 | 2/16/00 | 2/16/00 | | 10.0 | 696 | ug/l | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | " | " | " | 76.0-114 | | 84.6 | % | |

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | |
|--------------|---------|---------|---------|-----------|--------|--------|------|--|
| Ferrous Iron | 0B11001 | 2/10/00 | 2/14/00 | EPA 6010A | 0.0100 | 0.0165 | mg/l | |
|--------------|---------|---------|---------|-----------|--------|--------|------|--|

Anions by EPA Method 300.0

| | | | | | | | | |
|----------------|---------|--------|--------|-----------|------|------|------|--|
| Nitrate as NO3 | 0B04012 | 2/3/00 | 2/3/00 | EPA 300.0 | 1.00 | ND | mg/l | |
| Sulfate as SO4 | " | " | " | EPA 300.0 | 5.00 | 40.1 | " | |

Subcontracted Analyses

| | | | | | | | | |
|-------------------------------|---------|--------|--------|--------------|------|-----|----|--|
| Oxidation/Reduction Potential | 0B04022 | 2/2/00 | 2/2/00 | ASTM D149876 | 10.0 | 110 | mv | |
|-------------------------------|---------|--------|--------|--------------|------|-----|----|--|





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|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|------------------------------------|---------------|-------------------------------|---------------|-------------------|---|-------------------------------|----------|-----------|-------|--------|
| Batch: 0020064 | | Date Prepared: 2/14/00 | | | Extraction Method: EPA 5030B [P/T] | | | | | |
| Blank | | 0020064-BLK1 | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/14/00 | | | ND | ug/l | 50.0 | | | | |
| Benzene | " | | | ND | " | 0.500 | | | | |
| Toluene | " | | | ND | " | 0.500 | | | | |
| Ethylbenzene | " | | | ND | " | 0.500 | | | | |
| Xylenes (total) | " | | | ND | " | 0.500 | | | | |
| Methyl tert-butyl ether | " | | | ND | " | 5.00 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.6 | " | 70.0-130 | 106 | | | |
| LCS | | 0020064-BS1 | | | | | | | | |
| Benzene | 2/14/00 | 10.0 | | 8.30 | ug/l | 70.0-130 | 83.0 | | | |
| Toluene | " | 10.0 | | 7.64 | " | 70.0-130 | 76.4 | | | |
| Ethylbenzene | " | 10.0 | | 7.68 | " | 70.0-130 | 76.8 | | | |
| Xylenes (total) | " | 30.0 | | 23.3 | " | 70.0-130 | 77.7 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.97 | " | 70.0-130 | 99.7 | | | |
| LCS | | 0020064-BS2 | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/14/00 | 250 | | 219 | ug/l | 70.0-130 | 87.6 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 8.39 | " | 70.0-130 | 83.9 | | | |
| Matrix Spike | | 0020064-MS1 | | L002049-15 | | | | | | |
| Benzene | 2/14/00 | 10.0 | ND | 8.78 | ug/l | 60.0-140 | 87.8 | | | |
| Toluene | " | 10.0 | ND | 8.09 | " | 60.0-140 | 80.9 | | | |
| Ethylbenzene | " | 10.0 | ND | 8.40 | " | 60.0-140 | 84.0 | | | |
| Xylenes (total) | " | 30.0 | ND | 25.7 | " | 60.0-140 | 85.7 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.13 | " | 70.0-130 | 91.3 | | | |
| Matrix Spike Dup | | 0020064-MSD1 | | L002049-15 | | | | | | |
| Benzene | 2/14/00 | 10.0 | ND | 9.11 | ug/l | 60.0-140 | 91.1 | 25.0 | 3.69 | |
| Toluene | " | 10.0 | ND | 8.77 | " | 60.0-140 | 87.7 | 25.0 | 8.07 | |
| Ethylbenzene | " | 10.0 | ND | 8.81 | " | 60.0-140 | 88.1 | 25.0 | 4.76 | |
| Xylenes (total) | " | 30.0 | ND | 26.6 | " | 60.0-140 | 88.7 | 25.0 | 3.44 | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.1 | " | 70.0-130 | 101 | | | |
| Batch: 0020075 | | Date Prepared: 2/15/00 | | | Extraction Method: EPA 5030B [P/T] | | | | | |
| Blank | | 0020075-BLK1 | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/15/00 | | | ND | ug/l | 50.0 | | | | |
| Benzene | " | | | ND | " | 0.500 | | | | |
| Toluene | " | | | ND | " | 0.500 | | | | |
| Ethylbenzene | " | | | ND | " | 0.500 | | | | |
| Xylenes (total) | " | | | ND | " | 0.500 | | | | |





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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

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

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|---|---------------|-------------|---------------|-----------|-------|-------------------------------|----------|-----------|-------|--------|
| Blank (continued) | | | | | | | | | | |
| 0020075-BLK1 | | | | | | | | | | |
| Methyl tert-butyl ether | 2/15/00 | | | ND | ug/l | 5.00 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 8.08 | " | 70.0-130 | 80.8 | | | |
| LCS | | | | | | | | | | |
| 0020075-BS2 | | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/15/00 | 250 | | 197 | ug/l | 70.0-130 | 78.8 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 7.50 | " | 70.0-130 | 75.0 | | | |
| LCS | | | | | | | | | | |
| 0020075-BS4 | | | | | | | | | | |
| Benzene | 2/15/00 | 10.0 | | 9.04 | ug/l | 70.0-130 | 90.4 | | | |
| Toluene | " | 10.0 | | 8.36 | " | 70.0-130 | 83.6 | | | |
| Ethylbenzene | " | 10.0 | | 8.51 | " | 70.0-130 | 85.1 | | | |
| Xylenes (total) | " | 30.0 | | 25.9 | " | 70.0-130 | 86.3 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.6 | " | 70.0-130 | 106 | | | |
| Matrix Spike | | | | | | | | | | |
| 0020075-MS1 L002103-01 | | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/15/00 | 250 | ND | 220 | ug/l | 60.0-140 | 88.0 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.68 | " | 70.0-130 | 96.8 | | | |
| Matrix Spike Dup | | | | | | | | | | |
| 0020075-MSD1 L002103-01 | | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/15/00 | 250 | ND | 233 | ug/l | 60.0-140 | 93.2 | 25.0 | 5.74 | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.68 | " | 70.0-130 | 96.8 | | | |
| Batch: 0020085 | | | | | | | | | | |
| Date Prepared: 2/16/00 | | | | | | | | | | |
| Extraction Method: EPA 5030B (P/T) | | | | | | | | | | |
| Blank | | | | | | | | | | |
| 0020085-BLK1 | | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/16/00 | | | ND | ug/l | 50.0 | | | | |
| Benzene | " | | | ND | " | 0.500 | | | | |
| Toluene | " | | | ND | " | 0.500 | | | | |
| Ethylbenzene | " | | | ND | " | 0.500 | | | | |
| Xylenes (total) | " | | | ND | " | 0.500 | | | | |
| Methyl tert-butyl ether | " | | | ND | " | 5.00 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.84 | " | 70.0-130 | 98.4 | | | |
| LCS | | | | | | | | | | |
| 0020085-BS1 | | | | | | | | | | |
| Benzene | 2/16/00 | 10.0 | | 8.78 | ug/l | 70.0-130 | 87.8 | | | |
| Toluene | " | 10.0 | | 8.53 | " | 70.0-130 | 85.3 | | | |
| Ethylbenzene | " | 10.0 | | 8.94 | " | 70.0-130 | 89.4 | | | |
| Xylenes (total) | " | 30.0 | | 25.6 | " | 70.0-130 | 85.3 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.7 | " | 70.0-130 | 107 | | | |
| LCS | | | | | | | | | | |
| 0020085-BS2 | | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 2/16/00 | 250 | | 236 | ug/l | 70.0-130 | 94.4 | | | |





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|---|--|--|
| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|--|---------------|-------------|---------------|-----------|-------|----------------------------------|----------|-----------|-------|--------|
| LCS (continued) | | | | | | | | | | |
| 0020085-BS2 | | | | | | | | | | |
| Surrogate: <i>a,a,a-Trifluorotoluene</i> | 2/16/00 | 10.0 | | 10.5 | ug/l | 70.0-130 | 105 | | | |
| Matrix Spike | | | | | | | | | | |
| 0020085-MS1 L002045-06 | | | | | | | | | | |
| Benzene | 2/16/00 | 10.0 | ND | 8.55 | ug/l | 60.0-140 | 85.5 | | | |
| Toluene | " | 10.0 | ND | 8.27 | " | 60.0-140 | 82.7 | | | |
| Ethylbenzene | " | 10.0 | ND | 8.54 | " | 60.0-140 | 85.4 | | | |
| Xylenes (total) | " | 30.0 | ND | 24.3 | " | 60.0-140 | 81.0 | | | |
| Surrogate: <i>a,a,a-Trifluorotoluene</i> | " | 10.0 | | 10.0 | " | 70.0-130 | 100 | | | |
| Matrix Spike Dup | | | | | | | | | | |
| 0020085-MSD1 L002045-06 | | | | | | | | | | |
| Benzene | 2/16/00 | 10.0 | ND | 8.83 | ug/l | 60.0-140 | 88.3 | 25.0 | 3.22 | |
| Toluene | " | 10.0 | ND | 8.58 | " | 60.0-140 | 85.8 | 25.0 | 3.68 | |
| Ethylbenzene | " | 10.0 | ND | 8.96 | " | 60.0-140 | 89.6 | 25.0 | 4.80 | |
| Xylenes (total) | " | 30.0 | ND | 24.6 | " | 60.0-140 | 82.0 | 25.0 | 1.23 | |
| Surrogate: <i>a,a,a-Trifluorotoluene</i> | " | 10.0 | | 10.3 | " | 70.0-130 | 103 | | | |





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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Reporting Limit Units | Recov. Recov. Limits | RPD % | RPD Limit | RPD % | Notes* |
|---------|---------------|-------------|---------------|-----------|-----------------------|----------------------|-------|-----------|-------|--------|
|---------|---------------|-------------|---------------|-----------|-----------------------|----------------------|-------|-----------|-------|--------|

| | | | | | | | | | | |
|----------------------------------|-------------------------------|------|---|------|------|----------|-----|--|--|--|
| Batch: 0020082 | Date Prepared: 2/16/00 | | Extraction Method: EPA 5030B [P/T] | | | | | | | |
| Blank | 0020082-BLK1 | | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | | | ND | ug/l | 2.00 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 51.5 | " | 76.0-114 | 103 | | | |

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|----------------------------------|--------------------|------|--|------|------|----------|------|--|--|--|
| LCS | 0020082-BS1 | | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 50.0 | | 46.9 | ug/l | 70.0-130 | 93.8 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 53.8 | " | 76.0-114 | 108 | | | |

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|----------------------------------|--------------------|-------------------|----|------|------|----------|------|--|--|--|
| Matrix Spike | 0020082-MS1 | L002127-20 | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 50.0 | ND | 48.6 | ug/l | 60.0-140 | 97.2 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 53.0 | " | 76.0-114 | 106 | | | |

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|----------------------------------|---------------------|-------------------|----|------|------|----------|------|------|------|--|
| Matrix Spike Dup | 0020082-MSD1 | L002127-20 | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 50.0 | ND | 44.2 | ug/l | 60.0-140 | 88.4 | 25.0 | 9.48 | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 51.1 | " | 76.0-114 | 102 | | | |

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|----------------------------------|-------------------------------|------|---|------|------|----------|------|--|--|--|
| Batch: 0020088 | Date Prepared: 2/16/00 | | Extraction Method: EPA 5030B [P/T] | | | | | | | |
| Blank | 0020088-BLK1 | | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | | | ND | ug/l | 2.00 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 42.1 | " | 76.0-114 | 84.2 | | | |

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|----------------------------------|---------------------|------|--|------|------|----------|------|--|--|--|
| Blank | 0020088-BLK2 | | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | | | ND | ug/l | 2.00 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 43.0 | " | 76.0-114 | 86.0 | | | |

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|----------------------------------|--------------------|------|--|------|------|----------|------|--|--|--|
| LCS | 0020088-BS1 | | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 50.0 | | 37.1 | ug/l | 70.0-130 | 74.2 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 42.0 | " | 76.0-114 | 84.0 | | | |

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|----------------------------------|--------------------|------|--|------|------|----------|------|--|--|--|
| LCS | 0020088-BS2 | | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 50.0 | | 37.5 | ug/l | 70.0-130 | 75.0 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 43.9 | " | 76.0-114 | 87.8 | | | |

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|----------------------------------|--------------------|-------------------|------|-------|------|----------|------|--|--|---|
| Matrix Spike | 0020088-MS1 | L002127-15 | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 5000 | 9420 | 12600 | ug/l | 60.0-140 | 63.6 | | | 3 |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 42.0 | " | 76.0-114 | 84.0 | | | |

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|----------------------------------|---------------------|-------------------|------|-------|------|----------|------|------|------|---|
| Matrix Spike Dup | 0020088-MSD1 | L002127-15 | | | | | | | | |
| Methyl tert-butyl ether | 2/16/00 | 5000 | 9420 | 11400 | ug/l | 60.0-140 | 39.6 | 25.0 | 46.5 | 3 |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 43.4 | " | 76.0-114 | 86.8 | | | |





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| Gettler-Ryan/Geostrategies(I) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
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**MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|----------------------------------|---------------|-------------|--------------------------------|-----------|-------|---|-------------|--------------|----------|--------|
| Batch: 0020090 | | | Date Prepared: 2/17/00 | | | Extraction Method: EPA 5030B [P/T] | | | | |
| Blank | | | 0020090-BLK1 | | | | | | | |
| Methyl tert-butyl ether | 2/17/00 | | | ND | ug/l | 2.00 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 52.0 | " | 76.0-114 | 104 | | | |
| LCS | | | 0020090-BS1 | | | | | | | |
| Methyl tert-butyl ether | 2/17/00 | 50.0 | | 48.8 | ug/l | 70.0-130 | 97.6 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 53.9 | " | 76.0-114 | 108 | | | |
| Matrix Spike | | | 0020090-MS1 L002147-01 | | | | | | | |
| Methyl tert-butyl ether | 2/17/00 | 5000 | 12800 | 17700 | ug/l | 60.0-140 | 98.0 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 53.6 | " | 76.0-114 | 107 | | | |
| Matrix Spike Dup | | | 0020090-MSD1 L002147-01 | | | | | | | |
| Methyl tert-butyl ether | 2/17/00 | 5000 | 12800 | 17800 | ug/l | 60.0-140 | 100 | 25.0 | 2.02 | |
| Surrogate: 1,2-Dichloroethane-d4 | " | 50.0 | | 53.6 | " | 76.0-114 | 107 | | | |





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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
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**Total Metals by EPA 6000/7000 Series Methods/Quality Control
Sequoia Analytical - Morgan Hill**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|-------------------------|---------------|--------------------------------|---------------|-----------|-------------------------------------|----------------------------------|-------------|--------------|----------|--------|
| Batch: 0B11001 | | Date Prepared: 2/10/00 | | | Extraction Method: EPA 3005A | | | | | |
| Blank | | 0B11001-BLK1 | | | | | | | | |
| Ferrous Iron | 2/14/00 | | | ND | mg/l | 0.0100 | | | | |
| LCS | | 0B11001-BS1 | | | | | | | | |
| Ferrous Iron | 2/14/00 | 1.00 | | 1.03 | mg/l | 80-120 | 103 | | | |
| Matrix Spike | | 0B11001-MS1 MJB0270-01 | | | | | | | | |
| Ferrous Iron | 2/14/00 | 1.00 | 0.266 | 1.24 | mg/l | 80-120 | 97.4 | | | |
| Matrix Spike Dup | | 0B11001-MSD1 MJB0270-01 | | | | | | | | |
| Ferrous Iron | 2/14/00 | 1.00 | 0.266 | 1.24 | mg/l | 80-120 | 97.4 | 20 | 0 | |





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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
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**Anions by EPA Method 300.0/Quality Control
Sequoia Analytical - Morgan Hill**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|-------------------------|---------------|-------------|--------------------------------|-----------|-------|---|----------|-----------|-------|--------|
| Batch: 0B04012 | | | Date Prepared: 2/3/00 | | | Extraction Method: General Preparation | | | | |
| Blank | | | 0B04012-BLK1 | | | | | | | |
| Nitrate as NO3 | 2/3/00 | | | ND | mg/l | 0.100 | | | | |
| Sulfate as SO4 | " | | | ND | " | 0.500 | | | | |
| LCS | | | 0B04012-BS1 | | | | | | | |
| Nitrate as NO3 | 2/3/00 | 10.0 | | 10.2 | mg/l | 80-120 | 102 | | | |
| Sulfate as SO4 | " | 10.0 | | 10.2 | " | 80-120 | 102 | | | |
| Matrix Spike | | | 0B04012-MS1 L002021-02 | | | | | | | |
| Nitrate as NO3 | 2/3/00 | 100 | ND | 103 | mg/l | 75-125 | 103 | | | |
| Sulfate as SO4 | " | 100 | 13.7 | 104 | " | 75-125 | 90.3 | | | |
| Matrix Spike Dup | | | 0B04012-MSD1 L002021-02 | | | | | | | |
| Nitrate as NO3 | 2/3/00 | 100 | ND | 105 | mg/l | 75-125 | 105 | 20 | 1.92 | |
| Sulfate as SO4 | " | 100 | 13.7 | 108 | " | 75-125 | 94.3 | 20 | 3.77 | |





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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
|---|--|--|

**Subcontracted Analyses/Quality Control
Sequoia Analytical - Morgan Hill**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % Notes* |
|---------|---------------|-------------|---------------|-----------|-------|----------------------------------|----------|--------------|-----------------|
|---------|---------------|-------------|---------------|-----------|-------|----------------------------------|----------|--------------|-----------------|

Batch: 0B04022

Date Prepared: 2/2/00

Extraction Method: General Preparation

Duplicate

0B04022-DUPI L002021-11

| | | | | | | | | | |
|-------------------------------|--------|--|-----|-----|----|--|--|----|------|
| Oxidation/Reduction Potential | 2/2/00 | | 110 | 103 | mv | | | 20 | 6.57 |
|-------------------------------|--------|--|-----|-----|----|--|--|----|------|





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| Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568 | Project: Tosco(4) Project Number: Unocal SS#3135 Project Manager: Deanna Harding | Sampled: 2/2/00 Received: 2/2/00 Reported: 2/17/00 |
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Notes and Definitions

| # | Note |
|---|------|
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- A-01 Note this value is actually negative!
- 1 Chromatogram Pattern: Weathered Gasoline C6-C12
- 2 Chromatogram Pattern: Gasoline C6-C12
- 3 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- 4 this sample was analyzed past EPA recommended holding time.
- 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
- Recov. Recovery
- RPD Relative Percent Difference

