### Ultramar

Ultramar Inc.

P.O. Box 466 525 W. Third Street Hanford, CA 93232-0466 (209) 582-0241

Telecopy: 209-584-6113 Credit & Wholesale 209-583-3330 Administrative 209-583-3302 Information Services 209-583-3358 Accounting

May 19, 1995

Mr. Scott Seery Department of Environmental Health Alameda County Health Care Agency 1131 Harbor Parkway, Room 250 Alameda, CA 94502-6577

SUBJECT:

BEACON STATION NO. 720. 1088 MARINA BLVD., SAN LEANDRO,

CALIFORNIA

Dear Mr. Seery:

Enclosed is a copy of the First Quarter 1995 Groundwater Monitoring Report for the above-referenced Ultramar facility. Also included is a copy of the Quarterly Status Report which describes the work completed this quarter and the work anticipated to be completed next quarter.

Please call if you have any questions.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Senior Project Manager

Tenema X. Zy

Marketing Environmental Department

Enclosure



### **Ultramar**

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P.O. Box 466 525 W. Third Street Hanford, CA 93232-0466 (209) 582-0241

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#### ENVIRONMENTAL PROJECT QUARTERLY STATUS REPORT

DATE REPORT SUBMITTED: May 19, 1995

QUARTER ENDING: March 31, 1995

**SERVICE STATION NO.: 720** 

ADDRESS: 1088 Marina Blvd., San Leandro, CA

COUNTY: Alameda

**ULTRAMAR CONTACT:** Terrence A. Fox

TEL. NO: 209-583-5545

#### **BACKGROUND:**

In January 1987, three underground gasoline storage tanks and one waste oil tank were excavated and removed from two tank Samples collected from beneath the former tanks cavities. indicated that hydrocarbons were present in the soil. In March 1987, five monitoring wells (MW-1 through MW-5) were installed by Conoco. Hydrocarbons were detected in soil and ground-water samples collected from the wells with the highest concentrations being detected in the area of MW-4. In July 1987, four soil borings were drilled in the vicinity of MW-4 to further characterize the soil contamination in that area. TPH concentrations above 100 ppm were detected in each boring. The site has been on a monitoring program since June 1987.

In July 1990, the site was purchased by Ultramar Inc. from Conoco. The monitoring program has continued.

1991, perform shallow ground water study as August screening tool to locate wells.

In October 1991, installed three additional wells to further define the extent of the dissolved hydrocarbon plume.

In October 1993, performed a ground-water pump test, a vapor extraction test, and a air sparging test.

In May 1994, submitted Problem Assessment Report/Remedial Action Plan.

In December 1994, installed one additional monitoring well, six air sparging points, and one vapor extraction well.





Beacon Station 720 Quarterly Status Report Page 2

#### **SUMMARY OF THIS QUARTER'S ACTIVITIES:**

Performed quarterly monitoring on March 7, 1995.

Began design of system.

#### **RESULT OF QUARTERLY MONITORING:**

Monitoring data indicates that the benzene concentration remained not detected in MW-6 and MW-7. The benzene concentration decreased in MW-1 from 350 ppb to 180 ppb, in MW-3 from 70 ppb to 9.4 ppb, in MW-4 from 20,000 ppb to 19,000 ppb, in MW-8 from 1,800 ppb to 1,400 ppb, and in MW-9 from 2,500 ppb to 1,600 ppb. Benzene concentrations increased in MW-2 from 1,700 ppb to 1,900 ppb and in MW-5 from 7,000 ppb to 9,800 ppb.

#### PROPOSED ACTIVITY OR WORK FOR NEXT QUARTER:

**ACTIVITY** 

**ESTIMATED COMPLETION DATE** 

Continue quarterly monitoring program.

Complete design of remediation system.

June 30, 1995

9723777AL 122 PN 2:48



1050 Melody Lane, Suite 160 Roseville, California 95678 Tel: (916) 782-2110 FAX: (916) 786-7830

May 8, 1995

**FUGRO WEST, INC.** 

Mr. Terrence Fox Environmental Specialist Ultramar Inc. 525 West Third Street Hanford, California 93232-0466

Subject:

First Quarter 1995 Groundwater Monitoring Report

Beacon Station #720

1088 Marina Boulevard, San Leandro, California

Dear Mr. Fox:

This report documents the results of quarterly groundwater monitoring conducted on March 7, 1995 at the subject site (Figure 1). The monitoring, conducted by Doulos Environmental, included measurements of depth to groundwater, subjective analysis for free product, groundwater purging and collection of groundwater samples. All field activities pertaining to events in this report were conducted according to the Ultramar Field Procedures included in the Attachments.

#### **GROUNDWATER ELEVATIONS**

Prior to purging, Doulos Environmental personnel collected depth to groundwater measurements. Groundwater level data from March 1992 to date are summarized in Table 1. Historic groundwater levels are presented as an Attachment. On the basis of the current measurements, groundwater flows to the southwest (Figure 2) at a gradient of <0.01 ft/ft. Groundwater levels have increased an average of 0.83 feet compared to the last monitoring event.



#### **GROUNDWATER SAMPLING AND ANALYSES**

Groundwater samples were collected from nine wells. All samples were analyzed for concentrations of:

- TPH, as gasoline, by modified EPA Method 8015.
- BTEX by EPA Method 602.

Analytical results from March 1992 to date are summarized in Table 2. Historic analytical data are presented as an Attachment. Figure 3 is a distribution map of benzene in groundwater based on the current data. The laboratory report and chain-of-custody form for the current sampling event are attached. Benzene concentrations remain nondetectable in wells MW-6 and MW-7. Concentrations decreased in wells MW-1, MW-3, MW-4, MW-8, and MW-9; and increased in wells MW-2 and MW-5 compared to prior sampling.

A copy of this quarterly monitoring report should be forwarded to the following party:

Mr. Rafat Shahid Division of Hazardous Materials Alameda County Health Care Services 80 Swan Way, Room 200 Oakland, California 94621



The interpretations and/or conclusions that may be contained within this report represent our professional opinions. These opinions are based on currently available information. Other than this, no warranty is implied or intended. This report has been prepared solely for the use of Ultramar Inc. Any reliance on this report by third parties shall be at such parties' sole risk. This report was prepared under the review and supervision of the professional geologist, registered with the State of California, whose signature appears below.

If you have any questions or comments, please contact us at (916) 782-2110.

Sincerely,

FUGRO WEST, INC.

Dianne Carlisle

Sheila R. Richgels Report Coordinator

Owen M. Kittredge

Registered Geologist CRG No. 5833 No.

5813 **No. 585**3 Exp. 11/30/9

Date

SRR/OMK/srr

Attachments

FIGURE 1 SITE LOCATION MAP

FIGURE 2 POTENTIOMETRIC SURFACE MAP

(MARCH 7, 1995)

FIGURE 3 DISTRIBUTION MAP OF BENZENE IN GROUNDWATER (MARCH 7, 1995)

TABLES: TABLE 1 ..... WATER LEVEL DATA

TABLE 2 ..... ANALYTICAL RESULTS: GROUNDWATER

ATTACHMENTS: ULTRAMAR FIELD PROCEDURES

HISTORICAL DATA

LABORATORY REPORT AND CHAIN-OF-CUSTODY FORM

DOULOS ENVIRONMENTAL FIELD DATA SHEETS

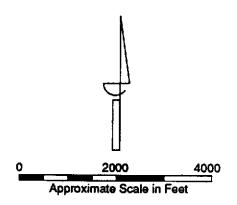
ACTON, MICKELSON, VAN DAM, INC. SURVEY DATA





**GENERAL NOTES:** 

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC SAN LEANDRO, CA



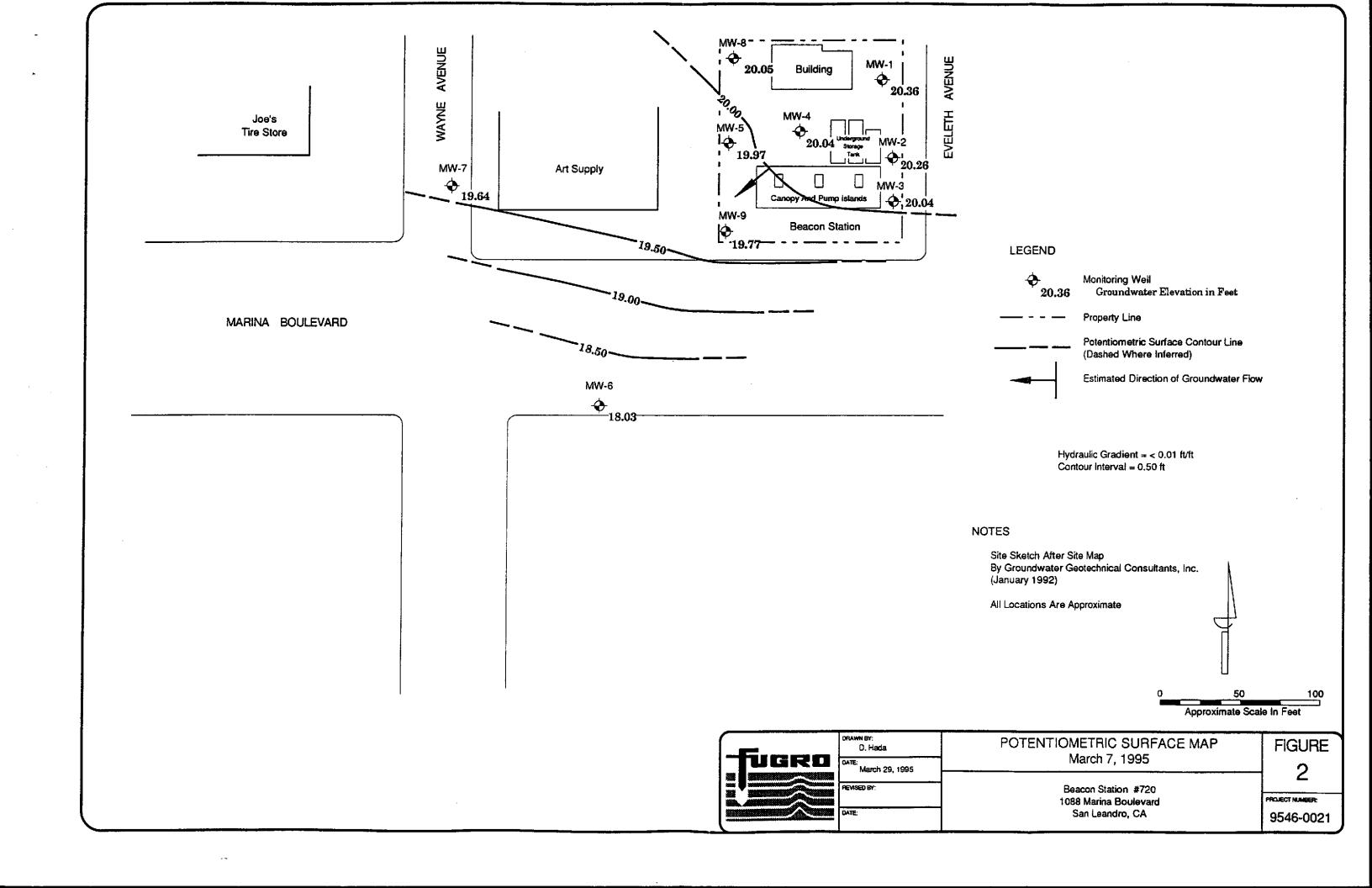
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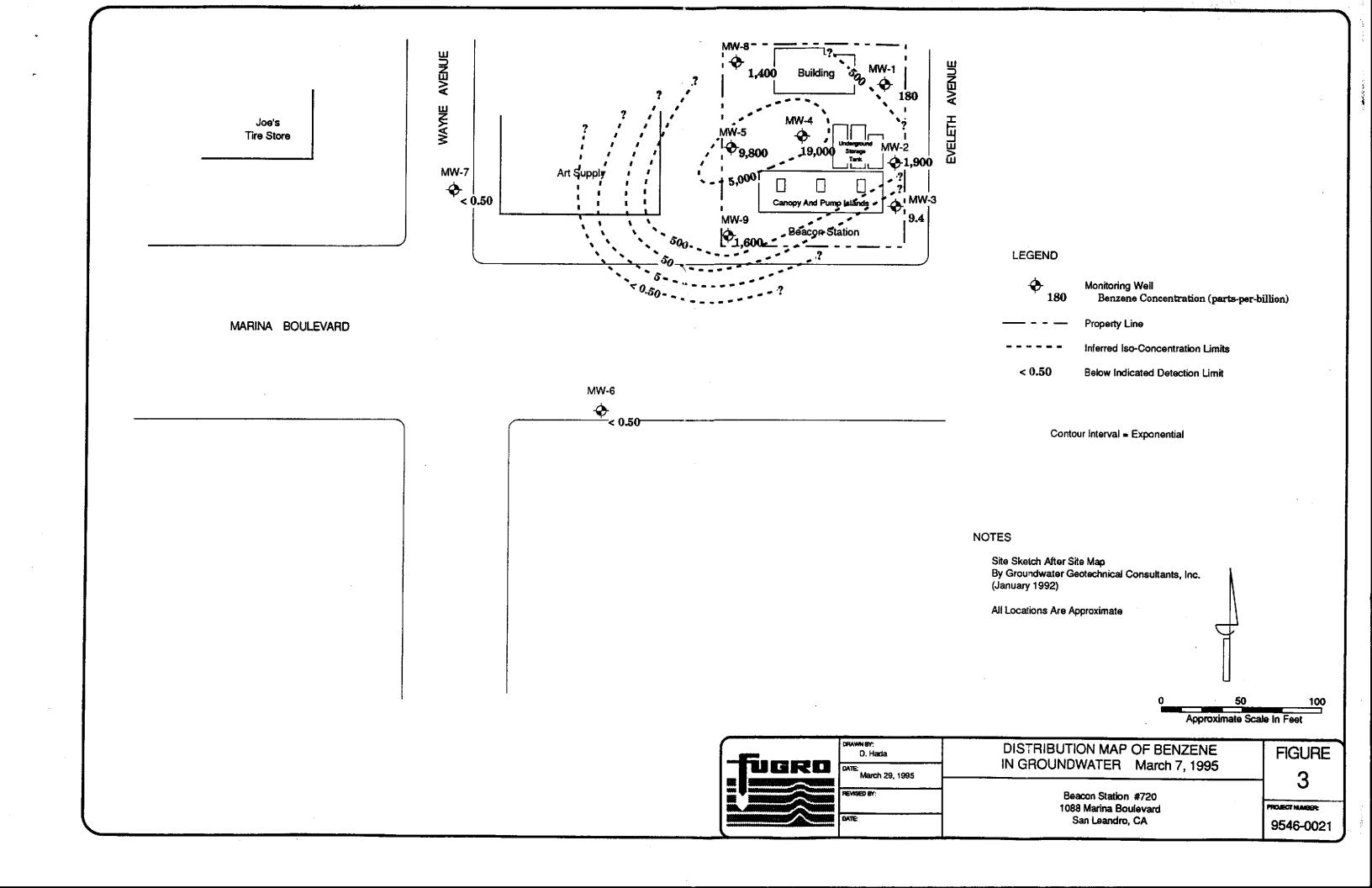
| DRAWN BY:   | SITE | LOCATION   | MAP |
|-------------|------|--|-----|
| REVISED BY: | _    | eacon Station # 72<br>88 Marina Bouleva<br>San Leandro, CA |     |

FIGURE

PROJECT NUMBER:

9546-0021





# TABLE 1 WATER LEVEL DATA BEACON STATION #720 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(Measurements in feet)

| Monitoring<br>Well | Date                 | Reference<br>Elevation<br>(top of casing) <sup>1</sup> | Depth to<br>Groundwater <sup>1</sup> | Groundwater<br>Elevation <sup>2</sup> | Well<br>Depth  | Comments |
|--------------------|----------------------|--|--------------------------------------|---------------------------------------|----------------|----------|
| MW-1               | 03/30/92             | 33.10  | 13.58                                | 19.52                                 |                |          |
| 1                  | 07/01/92             |  | 14.80                                | 18.30                                 |                |          |
|                    | 09/30/92             |  | 16.12                                | 16.98                                 |                | i        |
|                    | 11/19/92             |  | 16.34                                | 16.76                                 | 27.76          |          |
| 1                  | 02/03/93             |  | 12.61                                | 20.49                                 | 27.72          |          |
|                    | 05/25/93             |  | 13.12                                | 19.98                                 | 27, <b>7</b> 0 |          |
|                    | 09/22/93             |  | 14.18                                | 18.92                                 | 27.73          |          |
|                    | 12/21/93             |  | 14.36                                | 18.74                                 | 27.70          |          |
| ļļ                 | 03/18/94             |  | 13.64                                | 19.46                                 | 27.67          |          |
|                    | 06/15/94             |  | 14.30                                | 18.80                                 | 27.69          |          |
| ļ                  | 09/14/94             |  | 15.18                                | 17.92                                 | 27.66          |          |
|                    | 12/19/94             |  | 13.79                                | 19.31                                 | 27.70          |          |
| ļ                  | 12/21/95             |  | 13.86                                | 19.24                                 |                |          |
|                    | 03/07/95             | , <u>,</u>   | 12.74                                | 20.36                                 | 29.51          |          |
| MW-2               | 03/30/92             | 32.80  | 13.32                                | 19.48                                 |                |          |
| ]                  | 07/01/92             |  | 14.42                                | 18.38                                 |                |          |
|                    | 09/30/92             |  | 15.78                                | 17.02                                 | •••            |          |
|                    | 11/19/92             |  | 15.99                                | 16.81                                 | 24.56          |          |
| ļ.                 | 02/03/93             |  | 12.31                                | 20.49                                 | 25.37          |          |
|                    | 05/25/93             |  | 12.97                                | 19.83                                 | 25.31          |          |
|                    | 09/22/93             |  | 14.32                                | 18.48                                 | 25.34          |          |
|                    | 12/21/93             |  | 14.52                                | 18.28                                 | 25.31          |          |
|                    | 03/18/94             |  | 13.45                                | 19.35                                 | 25.49          |          |
|                    | 06/15/94             |  | 14.07                                | 18.73                                 | 25.50          |          |
|                    | 09/14/94             |  | 14.96                                | 17.84                                 | 25.50          | İ        |
|                    | 12/19/94             |  | 13.64                                | 19.16                                 | 25.52          |          |
|                    | 12/21/95             |  | 13.71                                | 19.09                                 |                |          |
|                    | 03/07/95             |  | 12.54                                | 20,26                                 | 25.87          |          |
| MW-3               | 03/30/92             | 32.30  | 12.96                                | 19.34                                 |                |          |
|                    | 07/01/92             |  | 14.00                                | 18.30                                 |                |          |
|                    | 09/30/92             |  | 15.36                                | 16.94                                 |                |          |
|                    | 11/19/92             |  | 15.57                                | 16.73                                 | 24.45          |          |
|                    | 02/03/93             |  | 11.96                                | 20.34                                 | 24.54          |          |
|                    | 05/25/93             |  | 14.12                                | 18.18                                 | 24.50          |          |
|                    | 09/22/93             | :  | 13.88                                | 18.42                                 | 24.50          |          |
|                    | 12/21/93             | į  | 14.12                                | 18.18                                 | 24.50          |          |
|                    | 03/18/94<br>06/15/94 | İ  | 13.04                                | 19.26                                 | 24.57          |          |
|                    | 09/14/94             | İ  | 13.65<br>14.54                       | 18.65                                 | 24.78          |          |
|                    | 12/19/94             |  | 1                                    | 17.76                                 | 24.59          | İ        |
|                    | 12/19/94             |  | 13.28<br>13.30                       | 19.0 <b>2</b><br>19.00                | 24.71          |          |
| •                  | 03/07/95             |  | 12.26                                | 20.04                                 | 26.03          |          |
|                    | 03/07/33             |  | 14.40                                | 20.04                                 | 20.03          |          |

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.

2 = Elevation referenced to mean sea level.

Well Depth = Measurement from top of casing to bottom of well.

--- = Not measured.

\* = Well paved over. Fugro 9548-0021-720/March 1995

#### TABLE 1 WATER LEVEL DATA **BEACON STATION #720**

#### 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(Measurements in feet)

| Monitoring<br>Well | Date     | Reference<br>Elevation<br>(top of casing) <sup>1</sup> | Depth to<br>Groundwater | Groundwater<br>Elevation <sup>2</sup> | Well<br>Depth | Comments |
|--------------------|----------|--|-------------------------|---------------------------------------|---------------|----------|
| MW-4               | 03/30/92 | 32.90  | 13.60                   | 19.30                                 |               |          |
|                    | 07/01/92 |  | 15.72                   | 17.18                                 |               |          |
|                    | 09/30/92 |  | 16.04                   | 16.86                                 |               |          |
|                    | 11/19/92 |  | 16.21                   | 16.69                                 | 26.92         |          |
|                    | 02/03/93 |  | 12.70                   | 20.20                                 | 27.00         |          |
|                    | 05/25/93 |  | 12.97                   | 19.93                                 | 26.88         |          |
|                    | 09/22/93 |  | 14,51                   | 18.39                                 | 26.90         |          |
|                    | 12/21/93 |  | 14.75                   | 18.15                                 | 26.90         | <b>{</b> |
|                    | 03/18/94 |  | 13.68                   | 19.22                                 | 27.24         |          |
|                    | 06/15/94 |  | 14.37                   | 18.53                                 | 28.54         |          |
|                    | 09/14/94 |  | 15.23                   | 17.67                                 | 27.25         |          |
|                    | 12/19/94 |  | 13.93                   | 18.97                                 | 28.61         |          |
|                    | 12/21/95 |  | 13.99                   | 18.91                                 |               |          |
|                    | 03/07/95 |  | 12.86                   | 20.04                                 | 28.64         |          |
| MW-5               | 03/30/92 | 32.70  | 13.48                   | 19.22                                 |               |          |
|                    | 07/01/92 |  | 14.58                   | 18.12                                 |               |          |
|                    | 09/30/92 |  | 15.82                   | 16.88                                 |               |          |
|                    | 11/19/92 |  | 16.00                   | 16.70                                 | 27.56         |          |
|                    | 02/03/93 |  | 12.40                   | 20.30                                 | 27.61         |          |
|                    | 05/25/93 |  | 13.01                   | 19.69                                 | 27.61         |          |
|                    | 09/22/93 |  | 14.37                   | 18,33                                 | 27.64         |          |
|                    | 12/21/93 |  | 14.58                   | 18.12                                 | 27.01         |          |
|                    | 03/18/94 |  | 13.53                   | 19.17                                 | 28.70         |          |
|                    | 06/15/94 |  | 14.18                   | 18.52                                 | 28.74         |          |
|                    | 09/14/94 |  | 15.07                   | 17,63                                 | 28.70         |          |
|                    | 12/19/94 |  | 13.74                   | 18.96                                 | 28.76         |          |
|                    | 12/21/95 |  | 13.84                   | 18.86                                 |               |          |
|                    | 03/07/95 |  | 12.73                   | 19.97                                 | 28.88         |          |
| MW-6               | 03/30/92 | 30.40  | 12.62                   | 17.78                                 |               |          |
|                    | 07/01/92 | 30.75  | 12.70                   | 17.70                                 |               |          |
|                    | 09/30/92 |  | 13.40                   | 17.00                                 |               |          |
|                    | 11/19/92 |  | 13.59                   | 16.81                                 | 15.10         |          |
|                    | 02/03/93 |  | 12.43                   | 17.97                                 | 15.01         |          |
|                    | 05/25/93 |  |                         |                                       |               | *        |
|                    | 10/11/93 |  | 12.82                   | 17.58                                 | 15.10         |          |
|                    | 12/21/93 |  | 13.06                   | 17.34                                 | 15.10         |          |
|                    | 03/18/94 |  | 12.16                   | 18.24                                 | 15.16         |          |
|                    | 06/15/94 |  | 12.59                   | 17.81                                 | 15.17         |          |
|                    | 09/14/94 |  | 12.86                   | 17.54                                 | 14.97         |          |
|                    | 12/19/94 |  | 12.48                   | 17.92                                 | 15.19         |          |
|                    | 12/21/95 |  | 11.61                   | 18.79                                 | ***           |          |
|                    | 03/07/95 |  | 12.37                   | 18.03                                 | 14.98         |          |

NOTES: Measurement and reference elevation taken from notch/mark on top north side of well casing.

= Well paved over.

Fugro 9546-0021-720/March 1995

#### TABLE 1 WATER LEVEL DATA BEACON STATION #720

#### 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(Measurements in feet)

| Monitoring<br>Well | Date     | Reference<br>Elevation<br>(top of casing) <sup>1</sup> | Depth to<br>Groundwater <sup>1</sup> | Groundwater<br>Elevation <sup>2</sup> | Well<br>Depth | Comments |
|--------------------|----------|--|--------------------------------------|---------------------------------------|---------------|----------|
| MW-7               | 03/30/92 | 31.20  | 12.34                                | 18.86                                 |               |          |
|                    | 07/01/92 |  | 15.54                                | 15.66                                 |               |          |
|                    | 09/30/92 |  | 14.64                                | 16.56                                 |               |          |
|                    | 11/19/92 |  | 14.80                                | 16.40                                 | 25.10         |          |
|                    | 02/03/93 |  | 11.36                                | 19.84                                 | 25.02         |          |
|                    | 05/25/93 | •  | ***                                  |                                       |               |          |
| ļ                  | 09/22/93 |  | 13.18                                | 18.02                                 | 25.01         |          |
|                    | 12/21/93 |  | 13.42                                | 17.78                                 | 25.02         |          |
|                    | 03/18/94 |  | 12.36                                | 18.84                                 | 25.13         |          |
|                    | 06/15/94 |  | 13.01                                | 18.19                                 | 25.21         |          |
|                    | 09/14/94 |  | 13.88                                | 17.32                                 | 25.13         | [        |
|                    | 12/19/94 |  | 12.61                                | 18.59                                 | 25.23         |          |
|                    | 12/21/95 |  | 12.38                                | 18.82                                 |               |          |
|                    | 03/07/95 |  | 11.56                                | 19.64                                 | 25.22         |          |
| MW-8               | 03/30/92 | 33.80  | 14.66                                | 19.14                                 |               |          |
|                    | 07/01/92 |  | 15.74                                | 18.06                                 |               | }        |
|                    | 09/30/92 |  | 17.00                                | 16.80                                 |               |          |
| •                  | 11/19/92 |  | 17.01                                | 16.79                                 | 29.75         |          |
|                    | 02/03/93 |  | 13.83                                | 19.97                                 | 29.88         |          |
|                    | 05/25/93 |  | 13.01                                | 20.79                                 | 29.86         |          |
|                    | 09/22/93 |  | 15.81                                | 17.99                                 | 24.52         |          |
|                    | 12/21/93 |  | 16.05                                | 17.75                                 | 29.86         |          |
|                    | 03/18/94 |  | 14.62                                | 19.18                                 | 29.87         |          |
|                    | 06/15/94 |  | 15.29                                | 18.51                                 | 30.07         |          |
|                    | 09/14/94 |  | 16.22                                | 17.58                                 | 29.87         |          |
|                    | 12/19/94 |  | 14.81                                | 18.99                                 | 30.05         |          |
|                    | 12/21/95 |  | 14.89                                | 18,91                                 |               |          |
|                    | 03/07/95 |  | 13.75                                | 20.05                                 | 29.94         |          |
| MW-9               | 12/21/95 | 32.56  | 13,76                                | 18.80                                 |               |          |
|                    | 03/07/95 |  | 12.79                                | 19.77                                 | 24.71         |          |

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.

2 = Elevation referenced to mean sea level.

Well Depth = Measurement from top of casing to bottom of well.

Not measured.

-- × Not measured.

\* Well paved over.

Fugro 9546-0021-720/March 1995

#### TABLE 2 ANALYTICAL RESULTS: GROUNDWATER **BEACON STATION #720** 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(All results in parts-per-billion)

| Monitoring<br>Well | Date<br>Collected | Total<br>Petroleum<br>Hydrocarbons | Aromatic Volatile Organics |         |                   |                  |
|--------------------|-------------------|------------------------------------|----------------------------|---------|-------------------|------------------|
|                    |                   | Gasoline                           | Benzene                    | Toluene | Ethyl-<br>benzene | Total<br>Xylenes |
| MW-1               | 03/30/92          | 27,000                             | 630                        | 550     | 540               | 1,900            |
|                    | 07/01/92          | 55,000                             | 840                        | 1,000   | 830               | 3,600            |
|                    | 09/30/92          | 6,400                              | 150                        | 95      | 120               | 470              |
|                    | 11/19/92          | 1,300                              | 90                         | 11      | 50                | 87               |
|                    | 02/03/93          | 53,000                             | 750                        | 560     | 950               | 5,700            |
|                    | 05/25/93          | 9.400                              | 200                        | 86      | 470               | 1,500            |
|                    | 09/22/93          | 41,000                             | 1,000                      | 510     | 850               | 1,100            |
|                    | 12/21/93          | 41,000                             | 1.000                      | 490     | 2,700             | 13,000           |
|                    | 03/18/94          | 9,500                              | 320                        | 160     | 830               | 2,900            |
|                    | 06/15/94          | 8,000                              | 310                        | 80      | 990               | 2,300            |
|                    | 09/14/94          | 3,600                              | 130                        | 31      | 390               | 630              |
|                    | 12/19/94          | 17,000                             | 350                        | 150     | 1,500             | 5,200            |
| · · · · · ·        | 03/07/95          | 12,000                             | 180                        | 62      | 1,200             | 3,200            |
| MW-2               | 03/30/92          | 52,000                             | 2,300                      | 1,700   | 940               | 3,300            |
|                    | 07/01/92          | 130,000                            | 3.500                      | 2,900   | 1,900             | 7,900            |
|                    | 09/30/92          | 24,000                             | 890                        | 350     | 500               | 1,700            |
|                    | 11/19/92          | 32,000                             | 1.900                      | 1,700   | 870               | 3,400            |
|                    | 02/03/93          | 64,000                             | 1,900                      | 2,200   | 860               | 4,100            |
|                    | 05/25/93          | 34,000                             | 3.300                      | 1,500   | 1,300             | 5,900            |
| !                  | 09/22/93          | 8,000                              | 640                        | 150     | 270               | 2,000            |
|                    | 12/21/93          | 18,000                             | 1.500                      | 410     | 1,300             | 5,000            |
|                    | 03/18/94          | 14,000                             | 1.600                      | 790     | 1,100             | 3,700            |
|                    | 06/1 <b>5/94</b>  | 13,000                             | 1,600                      | 580     | 1,200             | 4,100            |
|                    | 09/14/94          | 20,000                             | 1,600                      | 560     | 1,800             | 6,400            |
|                    | 12/19/94          | 19,000                             | 1,700                      | 750     | 1,600             | 5,800            |
|                    | 03/07/95          | 17,000                             | 1,900                      | 980     | 1,300             | 5,100            |
| MW-3               | 03/30/92          | 21,000                             | 560                        | 50      | 630               | 980              |
|                    | 07/01/92          | 13.000                             | 150                        | 20      | 22                | 300              |
|                    | 09/30/92          | 4,500                              | 53                         | 2.6     | 84                | 96               |
|                    | 11/19/92          | 4,700                              | 73                         | 6.2     | 140               | 120              |
|                    | 02/03/93          | 23,000                             | 220                        | 40      | 430               | 740              |
|                    | 05/25/93          | 9.900                              | 120                        | 26      | 370               | 520              |
|                    | 09/22/93          | 10.000                             | 370                        | 71      | 320               | 640              |
|                    | 12.21/93          | 7,800                              | 130                        | 8.5     | 430               | 380              |
|                    | 03/18/94          | 3,100                              | 22                         | 1.3     | 78                | 41               |
|                    | 06/15/94          | 1.700                              | 8.6                        | 1.4     | 22                | 15               |
|                    | 09/14/94          | 1.400                              | 3.8                        | <1.3    | 13                | 18               |
| -                  | 12/19/94          | 3,800                              | 70                         | 1.7     | 140               | 110              |
|                    | 03/07/95          | 2.200                              | 9.4                        | <1.3    | 30                | 21               |

NOTES:

Below indicated detection limit.

ND

Reported as "nondetect" by previous consultant.

NS

Not sampled.

Fugro 9546-0021-720/March 1995

# TABLE 2 ANALYTICAL RESULTS: GROUNDWATER BEACON STATION #720 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

#### (All results in parts-per-billion)

| Monitoring<br>Well | Date<br>Collected | Total<br>Petroleum<br>Hydrocarbons | Aromatic Volatile Organics |                |                   |                                       |
|--------------------|-------------------|------------------------------------|----------------------------|----------------|-------------------|---------------------------------------|
|                    |                   | Gasoline                           | Benzene                    | Toluene        | Ethyi-<br>benzene | Total<br>Xylenes                      |
| MW-4               | 03/30/92          | 76,000                             | 8,000                      | 4,400          | 730               | 2,500                                 |
|                    | 07/01/92          | 95,000                             | 6.900                      | 2,200          | 70                | 880                                   |
| #                  | 09/30/92          | 58,000                             | 7,100                      | 1,500          | 650               | 2,700                                 |
| li .               | 11/19/92          | 33,000                             | 5,500                      | 840            | 400               | 1,400                                 |
| ]                  | 02/03/93          | 130,000                            | 8,200                      | 6,700          | 940               | 4,400                                 |
| ļ .                | 05/25/93          | 63,000                             | 16,000                     | 6,600          | 1,700             | 8,100                                 |
| <u> </u>           | 09/22/93          | 23.000                             | 6,900                      | 940            | 150               | 3,000                                 |
|                    | 12/21/93          | 28.000                             | 6,900                      | 1,900          | 1,100             | 5,500                                 |
| ii .               | 03/18/94          | 58,000                             | 17,000                     | 6,300          | 2,500             | 10,000                                |
|                    | 06/15/94          | 59,000                             | 20,000                     | 4,900          | 2,500             | 9,100                                 |
|                    | 09/14/94          | 73,000                             | 22,000                     | 6,800          | 2,700             | 10,000                                |
| <b> </b>  -        | 12/19/94          | 67,000                             | 20.000                     | 8,300          | 2,300             | 9,100                                 |
|                    | 03/07/95          | 57,000                             | 19,000                     | 7,900          | 2,200             | 8,700                                 |
| MW-5               | 03/30/92          | 29,000                             | 2,600                      | 980            | 390               | 1,100                                 |
|                    | 07/01/92          | 52,000                             | 2,400                      | 1,000          | 5,200             | 2,000                                 |
|                    | 09/30/92          | 32,000                             | 1,800                      | 780            | 370               | 1,700                                 |
|                    | 11/19/92          | 7,800                              | 1,000                      | 280            | 120               | 370                                   |
|                    | 02/03/93          | 74,000                             | 3,500                      | 3,000          | 780               | 3,200                                 |
|                    | 05/25/93          | 57.000                             | 7,900                      | 4,700          | 1,900             | 7,800                                 |
|                    | 09/22/93          | 52,000                             | 7,600                      |                | 1,200             | · · · · · · · · · · · · · · · · · · · |
|                    | 12/21/93          | 23,000                             | 3,600                      | 2,400<br>1,200 | 970               | 8,800<br>3,600                        |
|                    | 03/18/94          | 47,000                             | 8,200                      | 5,000          | 1.400             | 6,100                                 |
|                    | 06/15/94          | 28,000                             | 7,900                      | 4,000          | 1,200             | 5,200                                 |
|                    | 09/14/94          | 32,000                             | 8,000                      | 5.100          | 1,400             | 5,600                                 |
|                    | 12/19/94          | 29,000                             | 7.000                      | 3,400          | 1,200             | 5,200                                 |
|                    | 03/07/95          | 36,000                             | 9,800                      | 5,800          | 1,800             | 7,800                                 |
| MW-6               | 03/30/92          | 73                                 | 2.1                        | 1.1            | ND                | 0.6                                   |
|                    | 07/01/92          | . ND                               | ND                         | ND             | ND                | ND ND                                 |
|                    | 09/30/92          | ND ND                              | 0.73                       | ND             | ND                | 0.58                                  |
|                    | 11/19/92          | 96                                 | 1.5                        | <0.5           | <0.5              | 0.58                                  |
|                    | 02/03/93          | 73                                 | 0.6                        | <0.5           | <0.5              | <0.5                                  |
|                    | 05/25/93          | NS                                 | NS                         | NS             | NS                | NS                                    |
|                    | 10/11/93          | <50                                | <0.5                       | <0.5           | <0.5              | <0.5                                  |
|                    | 12/21/93          | <50                                | <0.5                       | <0.5           | <0.5              | <0.5                                  |
| İ                  | 03/18/94          | <50<br><50                         | <0.5<br><0.5               | <0.5           | <0.5              | <0.5<br><0.5                          |
|                    | 06/15/94          | <50<br><50                         | <0.5                       | <0.5           | <0.5<br><0.5      | <0.5                                  |
|                    | 09/14/94          | <50<br><50                         | <0.5                       | <0.5           | <0.5              | <0.5                                  |
|                    | 12/19/94          | <50<br><50                         | <0.5                       | <0.5           | <0.5              | <0.5                                  |
|                    | 03/07/95          | <50<br><50                         | <0.5                       | <0.5           | <0.5              | <0.5                                  |

NOTES: < = Below indicated detection limit.

ND = Reported as "nondetect" by previous consultant.

NS ∓ Not sampled.

Fugro 9546-0021-720/March 1995

#### TABLE 2 ANALYTICAL RESULTS: GROUNDWATER **BEACON STATION #720** 1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA

(All results in parts-per-billion)

| Monitoring<br>Well | Date<br>Collected    | Total<br>Petroleum<br>Hydrocarbons | Aromatic Volatile Organics |            |                   |                  |
|--------------------|----------------------|------------------------------------|----------------------------|------------|-------------------|------------------|
|                    |                      | Gasoline                           | Benzene                    | Toluene    | Ethyl-<br>benzene | Total<br>Xylenes |
| MW-7               | 03/30/92<br>07/01/92 | ND                                 | ND                         | ND         | ND                | ND               |
|                    | 09/30/92             | ND<br>ND                           | ND<br>ND                   | ND<br>ND   | ND<br>ND          | ND<br>ND         |
|                    | 11/19/92             | ND<br><50                          | √0.5                       | ND<br><0.5 | (0.5              |                  |
|                    | 02/03/93             | <50<br><50                         | <0.5                       | <0.5       | <0.5              | <0.5<br><0.5     |
|                    | 05/25/93             | NS                                 | NS                         | NS         | NS NS             | NS               |
|                    | 09/22/93             | <50                                | 0.51                       | 0.82       | <0.5              | 0.81             |
|                    | 12/21/93             | <50                                | <0.5                       | <0.5       | <0.5              | <0.5             |
|                    | 03/18/94             | <50                                | <0.5                       | <0.5       | <0.5              | <0.5             |
|                    | 06/15/94             | <50                                | < 0.5                      | <0.5       | <0.5              | <0.5             |
|                    | 09/14/94             | <50                                | <0.5                       | <0.5       | <0.5              | <0.5             |
|                    | 12/19/94             | <50                                | <0.5                       | <0.5       | <0.5              | <0.5             |
|                    | 03/07/95             | <50                                | <0.5                       | <0.5       | <0.5              | <0.5             |
| MW-8               | 03/30/92             | 3,000                              | 1,700                      | 880        | 970               | 1,900            |
|                    | 07/01/92             | 72,000                             | 1,800                      | 550        | 520               | 2,200            |
|                    | 09/30/92             | 12,000                             | 680                        | 140        | 140               | 560              |
|                    | 11/19/92             | 9,600                              | 530                        | 310        | 130               | 560              |
|                    | 02/03/93             | 44,000                             | 1,500                      | 1,300      | 490               | 2,300            |
|                    | 05/25/93             | 7.400                              | 580                        | 160        | 170               | 480              |
| į                  | 09/22/93             | 2,400                              | 490                        | 45         | 37                | 140              |
| }                  | 12/21/93             | 1,400                              | 240                        | 7.5        | <2.5              | 82               |
|                    | 03/18/94             | 8,600                              | 1,600                      | 680        | 470               | 1,900            |
|                    | 06/15/94             | 4,800                              | 980                        | 380        | 260               | 1,200            |
|                    | 09/14/94             | 6,600                              | 1,200                      | 280        | 330               | 1,100            |
|                    | 12/19/94             | 8,400                              | 1,800                      | 390        | 500               | 2,000            |
|                    | 03/07/95             | 7,400                              | 1,400                      | 370        | 440               | 2,000            |
| MW-9               | 12/20/94             | 16,000                             | 2,500                      | 1,400      | 690               | 2,800            |
|                    | 03/07/95             | 5,200                              | 1,600                      | 250        | 320               | 520              |

NOTES:

Below indicated detection limit.

ND

Reported as "nondetect" by previous consultant.

NS

Fugro

Not sampled.

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#### **ULTRAMAR FIELD PROCEDURES**

The following section describes procedures used by Ultramar field personnel in the performance of ground water sampling.

#### Ground Water Level and Total Depth Determination

A water level indicator is lowered down the well and a measurement of the depth to water from an established reference point on the casing is taken. The indicator probe is used to sound the bottom of the well and a measurement of the total depth of the well is taken. Both the water level and total depth measurements are taken to the nearest 0.01-foot.

#### Visual Analysis of Ground Water

Prior to purging and sampling ground water monitoring wells, a water sample is collected from each well for subjective analysis. The visual analysis involves gently lowering a clean, disposable, polyethylene bailer to approximately one-half the bailer length past the water table interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating product or the appearance of a petroleum product sheen. If measurable free product is noted in the bailer, a water/product interface probe is used to determine the thickness of the free product to the nearest 0.01-foot. The thickness of free product is determined by subtracting the depth to product from the depth to water.

#### Monitoring Well Purging and Sampling

Monitoring wells are purged by removing approximately four casing volumes of water from the well using a clean disposable bailer or electrical submersible purge pump. Purge volumes are calculated prior to purging. During purging the temperature, pH, and electric conductivity are monitored. The well is sufficiently purged when: the four casing volumes have been removed; the temperature, pH, and conductivity have stabilized to within 10% of the initial readings; and the ground water being removed is relatively free of suspended solids. After purging, ground water levels are allowed to stabilize to within 80% of the initial water level reading. A water sample is then collected from each well with a clean, disposable polyethylene bailer. If the well is bailed dry prior to removing the minimum volume of water, the ground water is allowed to recharge. If the well has recharged to within 80% of the initial reading within two hours, the well will continue to be purged until the minimum volume of water has been removed. If the well has not recharged to at least 80% of the initial reading within two hours, the well is considered to contain formational water and a ground water sample is collected. Ground water removed from the well is stored in 55-gallon drums at the site and labeled pending disposal.

In wells where free product is detected, the wells will be bailed to remove the free product. An estimate of the volume of product and water will be recorded. If the free product thickness is reduced to the point where a measurable thickness is no longer present in the well, a ground water sample will be collected. If free product persists throughout bailing, a final free product thickness measurement will be taken and a ground water sample will not be collected.

Samples are stored in 40-milliliter vials so that air passage through the sample is minimized (to prevent volatilizing the sample). The vial is tilted and filled slowly until an upward convex meniscus forms over the mouth of the vial. The Teflon side of the septum (in cap) is then placed against the meniscus, and the cap is screwed on tightly. The sample is then inverted and the bottle is tapped lightly to check for air bubbles. If an air bubble is present in the vial, the cap is removed and more sample is transferred from the bailer. The vial is then resealed and rechecked for air bubbles. The sample is then appropriately labeled and stored on ice from the time of collection through the time of delivery to the laboratory. A Chain-of-Custody form is completed to ensure sample integrity. Ground water samples are transported to a state-certified laboratory and analyzed within the EPA-specified holding times for the requested analyses.

TABLE 1
GROUNDWATER ELEVATIONS
Page 1 of 5

| Date Sampled                      | Depth to<br>Groundwater<br>(Feet) | Groundwater<br>Elevation<br>(Feet) |
|-----------------------------------|-----------------------------------|------------------------------------|
| Groundwater Monitoring Well MW-1: | Elevation o                       | f Top of Casing = 29.89 feet       |
| June 23, 1987                     | 14.79                             | 15.10                              |
| July 06, 1987                     | 14.93                             | 14.96                              |
| August 06, 1987                   | 14.22                             | 15.67                              |
| November 04, 1987                 | 15.74                             | 14.15                              |
| February 02, 1988                 | 13.99                             | 15.90                              |
| May 02, 1988                      | 14.99                             | 14.90                              |
| November 21, 1988                 | 13.03                             | 16.86                              |
| February 14, 1989                 | 15.86                             | 14.03                              |
| May 02, 1989                      | 14.77                             | 15.12                              |
| August 10, 1989                   | 16.35                             | 13.54                              |
| November 08, 1989                 | 16.46                             | 13.43                              |
| February 20, 1990                 | 15.58                             | 14.31                              |
| May 18, 1990                      | 16.40                             | 13.49                              |
| September 15, 1990                | 16.83                             | 13.06                              |
| November 26, 1990                 | 17.16                             | 12.73                              |
| February 07, 1991                 | 16.43                             | 13.46                              |
| May 14, 1991                      | 14.93                             | 14.96                              |
| August 16, 1991                   | 16.35                             | 13.54                              |
| Groundwater Monitoring Well MW-1: | New Elevation of                  | Top of Casing = 33.10 feet         |
| December 24, 1991                 | 17.20                             | 15.90                              |
| March 30, 1992                    | 13.58                             | 19.52                              |
| Groundwater Monitoring Well MW-2: | Elevation of                      | Top of Casing = 29.57 feet         |
| June 23, 1987                     | 14.51                             | 15.06                              |

TABLE 1
GROUNDWATER ELEVATIONS
Page 2 of 5

| Date Sampled                      | Depth to<br>Groundwater<br>(Feet) | Groundwater<br>Elevation<br>(Feet) |
|-----------------------------------|-----------------------------------|------------------------------------|
| July 06, 1987                     | 14.63                             | 14.94                              |
| August 06, 1987                   | 14.95                             | 14.62                              |
| November 04, 1987                 | 15.45                             | 14.12                              |
| February 02, 1988                 | 13.74                             | 15.83                              |
| May 02, 1988                      | 14.63                             | 14.94                              |
| November 21, 1988                 | 12.99                             | 16.58                              |
| February 14, 1989                 | 15.66                             | 13.91                              |
| May 02, 1989                      | 14.56                             | 15.01                              |
| August 10, 1989                   | 16.22                             | 13.35                              |
| November 08, 1989                 | 16.19                             | 13.38                              |
| February 20, 1990                 | 15.34                             | 14.23                              |
| May 18, 1990                      | 16.20                             | 13.37                              |
| September 15, 1990                | 16.42                             | 13.05                              |
| November 26, 1990                 | 16.83                             | 12.74                              |
| February 07, 1991                 | 16.13                             | 13.44                              |
| May 14, 1991                      | 14.62                             | 14.95                              |
| August 16, 1991                   | 16,00                             | 13.57                              |
| Groundwater Monitoring Well MW-2: | New Elevation of                  | Top of Casing = 32.80 feet         |
| December 24, 1991                 | 16.90                             | 15,90                              |
| March 30, 1992                    | 13.32                             | 19.48                              |
| Groundwater Monitoring Well MW-3: | Elevation of                      | Top of Casing = 29.13 feet         |
| June 23, 1987                     | 14.13                             | 15.00                              |
| July 06, 1987                     | 14.24                             | 14.89                              |
| August 06, 1987                   | 14.52                             | 14.61                              |
| November 04, 19887                | 15.09                             | 14.04                              |
| February 02, 1988                 | 13.37                             | 15.76                              |

TABLE 1
GROUNDWATER ELEVATIONS
Page 3 of 5

| Date Sampled                      | Depth to<br>Groundwater<br>(Feet) | Groundwater<br>Elevation<br>(Feet) |
|-----------------------------------|-----------------------------------|------------------------------------|
| May 02, 1988                      | 14.22                             | 14.91                              |
| November 21, 1988                 | 13.01                             | 16.12                              |
| February 14, 1989                 | 15.22                             | 13.91                              |
| May 02, 1989                      | 14.16                             | 14.97                              |
| August 10, 1989                   | 15.61                             | 13.52                              |
| November 08, 1989                 | 15.75                             | 13.38                              |
| February 20, 1990                 | 14.95                             | 14.18                              |
| May 18, 1990                      | 15.79                             | 13.34                              |
| September 15, 1990                | 16.07                             | 13.06                              |
| November 26, 1990                 | 16.36                             | 12.77                              |
| February 07, 1991                 | 15.74                             | 13.39                              |
| May 14, 1991                      | 14.19                             | 14.94                              |
| August 16, 1991                   | 15.55                             | 13.58                              |
| Groundwater Monitoring Well MW-3: | New Elevation of                  | Top of Casing = 32.30 feet         |
| December 24, 1991                 | 16.40                             | 15.90                              |
| March 30, 1992                    | 12.96                             | 19.34                              |
| Groundwater Monitoring Well MW-4; | Elevation of                      | Top of Casing = 29.72 feet         |
| June 23, 1987                     | 14.77                             | 14.95                              |
| July 06, 1987                     | 14.91                             | 14.81                              |
| August 06, 1987                   | 15.19                             | 14.53                              |
| November 04, 1987                 | 15.72                             | 14.00                              |
| February 02, 1088                 | 14.03                             | 15.69                              |
| May 02, 1988                      | 14.89                             | 14.83                              |
| November 21, 1988                 | 12.88                             | 16.84                              |
| February 14, 1989                 | 15.83                             | 13.89                              |
| May 02, 1989                      | 14.75                             | 14.97                              |

TABLE 1
GROUNDWATER ELEVATIONS
Page 4 of 5

| Date Sampled                      | Depth to<br>Groundwater<br>(Feet)         | Groundwater<br>Elevation<br>(Feet) |  |
|-----------------------------------|---|------------------------------------|--|
| August 10, 1989                   | 16.30                                     | 13.42                              |  |
| November 08, 1989                 | 16.29                                     | 13.43                              |  |
| February 20, 1990                 | 15.62                                     | 14.10                              |  |
| May 18, 1990                      | 16.34                                     | 13.38                              |  |
| September 15, 1990                | 16.79                                     | 12.93                              |  |
| November 26, 1990                 | 17.08                                     | 12.64                              |  |
| February 07, 1991                 | 16.37                                     | 13.35                              |  |
| May 14, 1991                      | 14.87                                     | 14.85                              |  |
| August 16, 1991                   | 16.25                                     | 13.47                              |  |
| Groundwater Monitoring Well MW-4: | New Elevation of Top of Casing = 32.90 fe |                                    |  |
| December 24, 1991                 | 17.10                                     | 15.80                              |  |
| March 30, 1992                    | 13.60                                     | 19.30                              |  |
| Groundwater Monitoring Well MW-5: | Elevation of                              | Top of Casing = 29.55 feet         |  |
| June 23, 1987                     | 14.63                                     | 14.92                              |  |
| July 06, 1987                     | 14.79                                     | 14.76                              |  |
| August 06, 1987                   | 15.07                                     | 14.48                              |  |
| November 04, 1987                 | 15.61                                     | 13.94                              |  |
| February 02, 1988                 | 13.84                                     | 15.71                              |  |
| May 02, 1988                      | 14.77                                     | 14.78                              |  |
| November 21, 1988                 | 12.84                                     | 16.71                              |  |
| February 14, 1989                 | 15.72                                     | 13.83                              |  |
| May 02, 1989                      | 14.68                                     | 14.87                              |  |
| August 10, 1989                   | 16.03                                     | 13.52                              |  |
| November 08, 1989                 | 16.33                                     | 13.22                              |  |
| February 20, 1990                 | 15.44                                     | 14.11                              |  |

#### TABLE 1

## GROUNDWATER ELEVATIONS Page 5 of 5

| Date Sampled                      | Depth to<br>Groundwater<br>(Feet) | Groundwater<br>Elevation<br>(Feet) |
|-----------------------------------|-----------------------------------|------------------------------------|
| May 18, 1990                      | 16.22                             | 13.33                              |
| September 15, 1990                | 16.65                             | 12.90                              |
| November 26, 1990                 | 16.95                             | 12.60                              |
| February 07, 1991                 | 16.20                             | 13.35                              |
| May 14, 1991                      | 14.72                             | 14.38                              |
| August 16, 1991                   | 16.10                             | 13.45                              |
| Groundwater Monitoring Well MW-5: | New Elevation o                   | f Top of Casing = 32.70 feet       |
| December 24, 1991                 | 16.92                             | 15.78                              |
| March 30, 1992                    | 13,48                             | 19.22                              |
| Groundwater Monitoring Well MW-6: | Elevation o                       | f Top of Casing = 30.40 feet       |
| December 24, 1991                 | 14.12                             | 16.28                              |
| March 30, 1992                    | 12.62                             | 17.78                              |
| Groundwater Monitoring Well MW-7: | Elevation of                      | f Top of Casing = 31.20 feet       |
| December 24, 1991                 | 15.70                             | 15.50                              |
| March 30, 1992                    | 12.34                             | 18.86                              |
| Groundwater Monitoring Well MW-8: | Elevation of                      | f Top of Casing = 33.80 feet       |
| December 24, 1991                 | 18.00                             | 15.80                              |
| March 30, 1992                    | 14.66                             | 19.14                              |

Notes:

- 1) All elevations surveyed to an arbitrary datum
- 2) Elevations and depths are given in feet
- 3) Groundwater Technology, Inc., made measurements until February 1989
- 4) Du Pont Environmental Services collected samples from February 1989 through February 1991
- 5) Environmental Geotechnical Consultants, Inc., made measurements beginning in May 1991

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 1 of 5

| Well<br>No. | Date<br>Sampled | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Xylenes<br>(µg/L) | TPH-G<br>(µg/L) | Comments           |
|-------------|-----------------|-------------------|-------------------|-----------------------------|-------------------|-----------------|--------------------|
| MW-1        | Apr. 16, 1987   | 2,313             | 3,770             | 664.1                       | 3,331             | 17,276          |                    |
|             | June 23, 1987   | 1,887             | 2,141             | 466.7                       | 1,652             | 26,027          |                    |
|             | July 06, 1987   | 778.2             | 943.7             | 133.2                       | 422.1             | 3,938           |                    |
|             | Aug. 06, 1987   | 1,270             | 1,576             | 288.7                       | 873.7             | 6,079           |                    |
|             | Nov. 04, 1987   | 1,700             | 4,000             | 720                         | 2,200             | 15,000          |                    |
|             | Feb. 02, 1988   | 1,500             | 1,700             | 230                         | 740               | 14,000          |                    |
|             | May 02, 1988    | 3,500             | 700               | 4,900                       | 2,700             | 33,000          |                    |
|             | Nov. 21, 1988   | 2,200             | 560               | 2,800                       | 2,200             | 15,000          |                    |
|             | Feb. 14, 1989   | 1,700             | 1,700             | 340                         | 1,500             | 12,000          | Odor               |
|             | May 02, 1989    | 1,500             | 2,400             | 510                         | 2,400             | 18,000          | Odor, Slight Sheen |
|             | Aug. 10, 1989   | 1,400             | 1,500             | 360                         | 1,600             | 10,000          | Odor               |
|             | Nov. 08, 1989   | 920               | 470               | 190                         | 360               | 7,200           | Odor               |
|             | Feb. 20, 1990   | 810               | 540               | 270                         | 800               | 3,300           |                    |
|             | May 18, 1990    | 1,900             | 500               | 560                         | 1,600             | 5,600           |                    |
|             | Sep. 15, 1990   | 320               | 110               | 150                         | 520               | 5,200           | Odor               |
|             | Nov. 26, 1990   | 370               | 59                | 150                         | 370               | 3,000           | Odor               |
|             | Feb. 07, 1991   | 750               | 570               | 480                         | 1,800             | 14,000          |                    |
|             | May 14, 1991    | 1,000             | 1,400             | 600                         | 2,500             | 41,000          |                    |
|             | Aug. 16, 1991   | 310               | 210               | 150                         | 480               | 4,000           | Odor               |
|             | Dec. 24, 1991   | 530               | 95                | 310                         | 680               | 11,000          | Moderate Odor      |
|             | Mar. 30, 1992   | 630               | 550               | 540                         | 1,900             | 27,000          | Odor               |
| MW-2        | Apr. 16, 1987   | 3,131             | 4,239             | 1,067                       | 4,608             | 17,920          |                    |
|             | June 23, 1987   | 2,188             | 2,622             | 1,047                       | 4,699             | 49,354          |                    |
|             | July 06, 1987   | 1,575             | 1,729             | 457                         | 1,702             | 8,676           |                    |
|             | Aug. 06, 1987   | 2,623             | 3,722             | 702                         | 2,882             | 14,376          |                    |
|             | Nov. 04, 1987   | 2,200             | 4,100             | 900                         | 3,500             | 19,000          |                    |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 2 of 5

| Well<br>No. | Date<br>Sampled | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Xylenes<br>(μg/L) | TPH-G<br>(µg/L) | Comments                      |
|-------------|-----------------|-------------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------------|
| MW-2        | Feb. 02, 1988   | 6,200             | 6,500             | 1,000                       | 4,000             | 54,000          |                               |
|             | May 02, 1988    | 6,800             | 1,300             | 7,100                       | 5,400             | 53,000          |                               |
|             | Nov. 21, 1988   |                   |                   |                             |                   | •               | Free product                  |
|             | Feb. 14, 1989   | 6,900             | 4,300             | 1,100                       | 5,200             | 48,000          | Film of free product          |
|             | May 02, 1989    | 6,100             | 8,800             | 2,100                       | 16,000            | 111,000         | Odor, sheen                   |
|             | Aug. 10, 1989   | 4,200             | 2,900             | 1,000                       | 5,800             | 39,000          | Odar, sheen                   |
|             | Nov. 08, 1989   | 3,700             | 1,500             | 740                         | 2,200             | 45,000          | Odor, heavy sheen             |
|             | Feb. 20, 1990   | 5,000             | 8,200             | 1,600                       | 11,000            | 60,000          |                               |
|             | May 18, 1990    | 6,200             | 1,900             | 1,300                       | 610               | 19,000          |                               |
|             | Sep. 15, 1990   | 1,400             | 820               | 660                         | 3,000             | 27,000          | Odor, sheen                   |
|             | Nov. 26, 1990   | 1,100             | 880               | 700                         | 3,800             | 28,000          | Odor, sheen                   |
|             | Feb. 07, 1991   | 2,100             | 1,900             | 1,300                       | 6,200             | 63,000          | Odor, sheen                   |
|             | May 14, 1991    | 2,200             | 2,700             | 1,100                       | 5,900             | 100,000         | Moderate odor<br>Slight sheen |
|             | Aug. 16, 1991   | 1800              | 950               | 990                         | 3900              | 32,000          | Slight odor, sheen            |
|             | Dec. 24, 1991   | 1,100             | 550               | 750                         | 2,700             | 30,000          | Odor, sheen                   |
|             | Mar. 30, 1992   | 2,300             | 1,700             | 940                         | 3,300             | 52,000          | Odor, sheen                   |
| MW-3        | Apr. 16, 1987   | 1,371             | 2,438             | 472.3                       | 2,617             | 9,967           |                               |
|             | June 23, 1987   | 646.2             | 822.9             | 320.9                       | 1,280             | 16,824          |                               |
|             | July 06, 1987   | 340.3             | 384.2             | 116.5                       | 420.2             | 3,395           |                               |
|             | Aug. 06, 1987   | 441.9             | 436.3             | 118.2                       | 417.3             | 3,107           |                               |
|             | Nov. 04, 1987   | 320               | 280               | 74                          | 250               | 2,600           |                               |
|             | Feb. 02, 1988   | 2,200             | 2,300             | 500                         | 2,300             | 44,000          |                               |
|             | May 02, 1988    | 1,600             | 450               | 840                         | 1,700             | 14,000          |                               |
|             | Nov. 21, 1988   | 1,200             | 220               | 560                         | 810               | 8,100           |                               |
|             | Feb. 14, 1989   | 1,500             | 220               | 220                         | 500               | 5,500           | Odor                          |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 3 of 5

| Well<br>No. | Date<br>Sampled | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Xylenes<br>(μg/L) | TPH-G<br>(μg/L) | Comments           |
|-------------|-----------------|-------------------|-------------------|-----------------------------|-------------------|-----------------|--------------------|
|             | Aug. 10, 1989   | 750               | 10                | 190                         | 210               | 2,700           | Odor               |
|             | Nov. 08, 1989   | 370               | 90                | ND                          | 58                | 2,400           | Odor               |
|             | Feb. 20, 1990   | 1,200             | 810               | 77                          | 460               | 3,700           |                    |
|             | May 18, 1990    | 980               | ND                | 330                         | 250               | 2,300           |                    |
|             | Sep. 15, 1990   | 240               | 36                | 150                         | 230               | 4,700           | Odor               |
|             | Nov. 26, 1990   | 170               | 8.4               | 86                          | 120               | 1,400           | Odor               |
|             | Feb. 07, 1991   | 220               | 20                | 120                         | 230               | 2,900           |                    |
|             | May 14, 1991    | 370               | 39                | 220                         | 820               | 15,000          | -                  |
|             | Aug. 16, 1991   | 480               | 50                | 360                         | 680               | 7,200           | Slight Odor        |
|             | Dec. 24, 1991   | 150               | 20                | 100                         | 140               | 4,900           | Slight Odor        |
|             | Mar. 30, 1992   | 560               | 50                | 630                         | 980               | 21,000          | Odor               |
| MW-4        | Apr. 16, 1987   | 5,896             | 3,797             | 893.9                       | 4,106             | 19,309          |                    |
|             | June 23, 1987   | 4,030             | 1,842             | 850.0                       | 3,254             | 31,429          |                    |
|             | July 06, 1987   | 2,710             | 1,247             | 308.2                       | 1,312             | 8,117           |                    |
| . <b>.</b>  | Aug. 06, 1987   | 3,992             | 1,589             | 447.9                       | 1,611             | 10,464          |                    |
|             | Nov. 04, 1987   | 9,500             | 17,000            | 2,800                       | 11,000            | 55,000          |                    |
|             | Feb. 02, 1988   | 11,000            | 7,400             | 1,400                       | 6,200             | 47,000          |                    |
| <u> </u>    | May 02, 1988    | 9,200             | 1,300             | 6,100                       | 6,400             | 58,000          |                    |
|             | Nov. 21, 1988   | 5,700             | 1,600             | 3,100                       | 7,600             | 48,000          |                    |
|             | Feb. 14, 1989   | 8,700             | 2,500             | 900                         | 3,800             | 29,000          | Odor & sheen       |
|             | May 02, 1989    | 4,800             | 5,600             | 1,800                       | 8,800             | 69,000          | Odor, slight sheen |
|             | Aug. 10, 1989   | 15,000            | 6,600             | 1,800                       | 12,000            | 67,000          | Odor, slight sheen |
|             | Nov. 08, 1989   | 11,000            | 3,200             | 1,100                       | 4,400             | 71,000          | Odor, slight sheen |
|             | Feb. 20, 1990   | 8,100             | 4,500             | 930                         | 3,500             | 19,000          |                    |
|             | May 18, 1990    | 45,000            | 12,000            | 5,000                       | 27,000            | 100,000         |                    |
|             | Sep. 15, 1990   | 4,200             | 1,200             | 740                         | 3,000             | 38,000          |                    |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 4 of 5

| Well<br>No.  | Date<br>Sampled | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Xylenes<br>(µg/L) | TPH-G<br>(µg/L) | Comments           |
|--------------|-----------------|-------------------|-------------------|-----------------------------|-------------------|-----------------|--------------------|
| MW-4         | Nov. 26, 1990   | 2,800             | 650               | 810                         | 2,600             | 19,000          | Odor               |
|              | Feb. 07, 1991   | 4,600             | 1,100             | 1,600                       | 4,600             | 41,000          | Odor, sheen        |
|              | May 14, 1991    | 7,300             | 830               | 3,900                       | 3,600             | 100,000         | Slight odor, sheen |
|              | Aug. 16, 1991   | 8,000             | 2,500             | 1,100                       | 4,000             | 45,000          | Strong odor, sheen |
|              | Dec. 24, 1991   | 6,000             | 1,200             | 1,100                       | 3,700             | 79,000          | Odor, sheen        |
|              | Mar. 30, 1992   | 8,000             | 4,400             | 730                         | 2,500             | 76,000          | Odor, sheen        |
| MW-5         | Apr. 16 1987    | 2,267             | 921.2             | 3,277                       | 4,536             | 17,733          |                    |
| <b>21.</b> 2 | June 23, 1987   | 2,239             | 516.8             | 953.9                       | 1,587             | 19,555          |                    |
|              | July 06, 1987   | 1,335             | 313.7             | 799.2                       | 923.9             | 5,631           |                    |
|              | Aug. 06, 1987   | 1,890             | 881.2             | 576.8                       | 93.4              | 6,450           |                    |
|              | Nov. 04, 1987   | 1,300             | 500               | 270                         | 640               | 4,600           |                    |
|              | Feb. 02, 1988   | 3,100             | 1,500             | 550                         | 1,400             | 24,000          |                    |
|              | May 02, 1988    | 4,400             | 490               | 1,200                       | 1,500             | 17,000          |                    |
|              | Nov. 21, 1988   | 5,600             | 590               | 870                         | 2,200             | 19,000          |                    |
| _            | Feb. 14, 1989   | 4,300             | 810               | 410                         | 1,300             | 13,000          | Odor               |
|              | May 02, 1989    | 2,900             | 1,500             | 690                         | 3,200             | 24,000          | Odor, slight sheen |
| =            | Aug. 10, 1989   | 6,700             | 2,300             | 860                         | 4,700             | 36,000          | Odor, slight sheen |
|              | Nov. 08, 1989   | 5,300             | 860               | 460                         | 600               | 30,000          | Odor               |
|              | Feb. 20, 1990   | 1,700             | 220               | 120                         | 370               | 3,400           |                    |
|              | May 18, 1990    | 18,000            | 2,000             | 1,500                       | 5,600             | 24,000          |                    |
|              | Sep. 15, 1990   | 2,600             | 2,200             | 1,000                       | 4,900             | 42,000          | Odor, sheen        |
|              | Nov. 26, 1990   | 1,900             | 280               | 260                         | 800               | 8,500           | Odor, sheen        |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Page 5 of 5

| Well<br>No. | Date<br>Sampled | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Xylenes<br>(μg/L) | TPH-G<br>(µg/L) | Comments                |
|-------------|-----------------|-------------------|-------------------|-----------------------------|-------------------|-----------------|-------------------------|
| <del></del> | Feb. 07, 1991   | 1,500             | 1,200             | 610                         | 2,700             | 24,000          | Odor                    |
|             | May 14, 1991    | 3,800             | 4,400             | 1,400                       | 6,400             | 120,000         | Odor, sheen             |
|             | Aug. 16, 1991   | 4,200             | 1,900             | 760                         | 2,900             | 29,000          | Moderate odor,<br>sheen |
|             | Dec. 24, 1991   | 3,900             | 1,500             | 880                         | 3,200             | 63,000          | Odor, sheen             |
|             | Mar. 30, 1992   | 2,600             | 980               | 390                         | 1,100             | 29,000          | Odor, sheen             |
| MW-6        | Dec. 24, 1991   | ND                | ND                | ND                          | ДИ                | 79              |                         |
|             | Mar. 30, 1992   | 2.1               | 1.1               | ND                          | 0.6               | 73              |                         |
| MW-7        | Dec. 24, 1991   | ND                | ND                | DN                          | ND                | ND              |                         |
|             | Mar. 30, 1992   | ND                | ND                | ND                          | ND                | ND              |                         |
| MW-8        | Dec. 24, 1991   | 1,700             | 2,400             | 1,200                       | 6,100             | 81,000          | Odor, sheen             |
|             | Mar. 30, 1992   | 1,700             | 880               | 970                         | 1,900             | 3,000           | Odor, sheen             |

Notes:

- 1) TPH-G = Total Petroleum Hydrocarbons as gasoline
- 2) Odor refers to petroleum hydrocarbon odor
- 3) All results are presented in parts per billion
- 4) Groundwater Technology, Inc., collected samples prior to February 1989
- 5) Du Pont Environmental Services collected samples from February 1989 through February 1991
- 6) Environmental Geotechnical Consultants, Inc. collected samples beginning in May 1991
- 7) ND = Non Detect
- 8) See analytical results for detection limits (Appendix B)



March 16, 1995 Sample Log 11443



Sheila Richgels Fugro West, Inc. 1050 Helody Lane, Suite 160 Roseville, CA 95678

Subject: Analytical Results for 9 water Samples

Identified as: BEACON 720 (Proj. # 94-720-01)

Received: 03/09/95

Dear Ms. Richgels:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on March 15, 1995 and describes procedures used to analyze the samples.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 602/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)

Please refer to the following table(s) for summarized analytical results and contact us at 916-753-9500 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Joel Kiff Senior Chemist

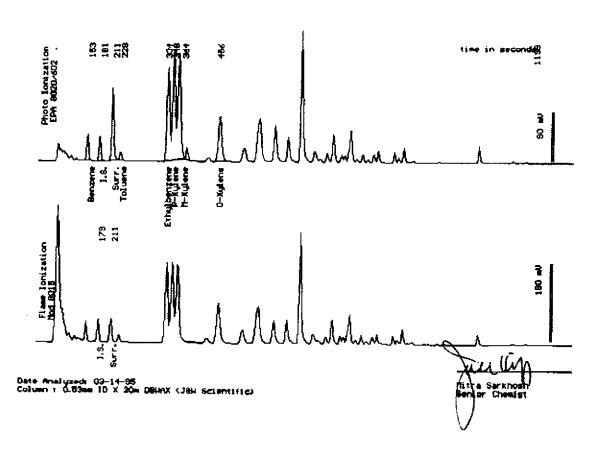


Sample: MW-1

From : BEACON 720 (Proj. # 94-720-01) Sampled : 03/07/95 Dilution : 1:10 QC Batch

QC Batch : 4116A

| Parameter                     | (MRL) wg/L     | Measured<br>Value ug/L |
|-------------------------------|----------------|------------------------|
| Benzen <b>e</b>               | (5.0)          | 200                    |
| Toluene                       | (5.0)          | 1 <b>80</b><br>62      |
| Ethylbenzene<br>Total Xylenes | (5.0)<br>(5.0) | 1200<br>3200           |
| TPH as Gasoline               | (500)          | 12000                  |
| Surrogate Recovery            | •              | 84 %                   |





Sample Log 11443

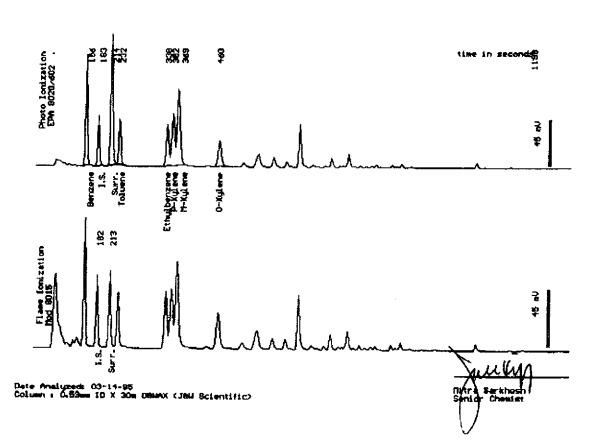
Sample: MW-2

From : BEACON 720 (Proj. # 94-720-01)

Sampled: 03/07/95 Dilution: 1:50

Dilution: 1:50 QC Batch: 4116A

| Parameter  | (MRL) ug/L                             | Measured<br>Value 19/1               |
|--|--|--------------------------------------|
| Benzene<br>Toluene<br>Ethylbenzene<br>Total Xylenes<br>TPH as Gasoline | (25)<br>(25)<br>(25)<br>(25)<br>(2500) | 1900<br>980<br>1300<br>5100<br>17000 |
| Surrogate Recovery   | •                                      | 85 %                                 |



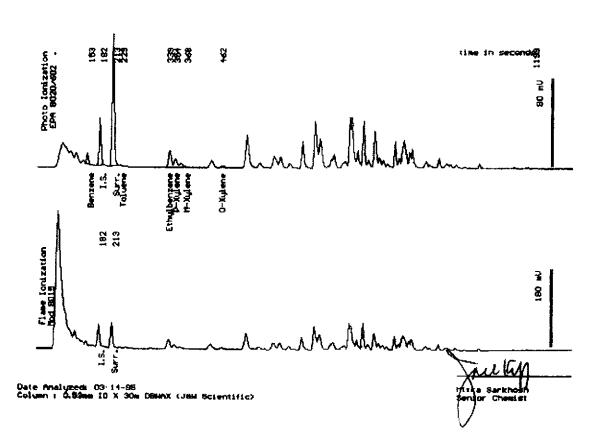


Sample: MW-3

From : BEACON 720 (Proj. # 94-720-01)
Sampled : 03/07/95
Dilution : 1:3 QC Batch

QC Batch : 4116A

| Parameter  | (MRL) ug/L                                | Measured<br>Value vg/L          |
|--|---|---------------------------------|
| Benzene<br>Toluene<br>Ethylbenzene<br>Total Xylenes<br>TPH as Gasoline | (1.3)<br>(1.3)<br>(1.3)<br>(1.3)<br>(130) | 9.4<br><1.3<br>30<br>21<br>2200 |
| Surrogate Recovery   | ,   | 84 %                            |



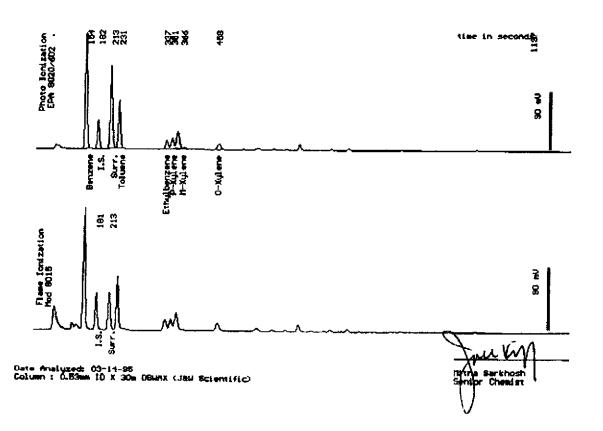


Sample: MW-4

From : BEACON 720 (Proj. # 94-720-01)
Sampled : 03/07/95
Dilution : 1:250 QC Batch

QC Batch : 4116A

| Parameter                     | (MRL) ug/L       | Measured<br>Value سورد |
|-------------------------------|------------------|------------------------|
| Benzene<br>Toluene            | (130)<br>(130)   | 19000<br>7900          |
| Ethylbenzene<br>Total Xylenes | (130)            | 2200                   |
| TPH as Gasoline               | (130)<br>(13000) | 8700<br>57000          |
| Surrogate Recovery            | 7                | 84 🕏                   |

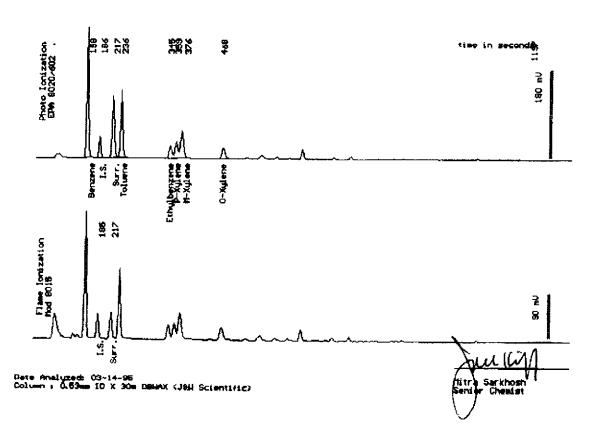




Sample: MW-5

From : BEACON 720 (Proj. # 94-720-01)
Sampled : 03/07/95
Dilution : 1:100 QC Batch QC Batch : 4116A

| Parameter               | (MRL) wg/c   | Measured<br>Value ug/L |
|-------------------------|--------------|------------------------|
| Benzene                 | (50)         | 9800                   |
| Toluene<br>Ethylbenzene | (50)         | 5800                   |
| Total Xylenes           | (50)<br>(50) | 1800<br>7800           |
| TPH as Gasoline         | (5000)       | 36000                  |
| Surrogate Recovery      | <i>†</i>     | 84 %                   |





Sample Log 11443

11443-02

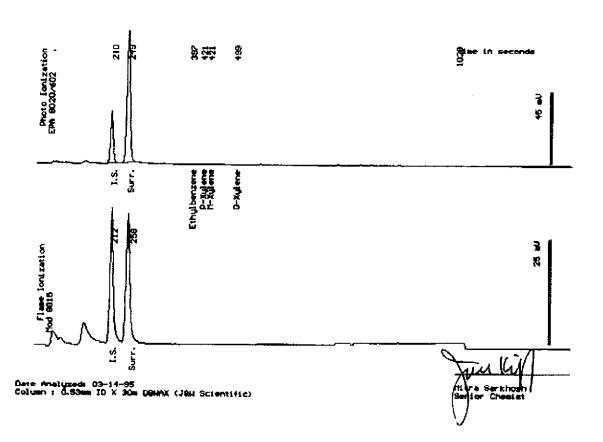
Sample: MW-6

From : BEACON 720 (Proj. # 94-720-01)

Sampled: 03/07/95 Dilution: 1:1

QC Batch : 2116A

| Parameter          | (MRL) wg/L | Measured<br>Value wg/L |
|--------------------|------------|------------------------|
| Benzene            | (.50)      | <.50                   |
| Toluene            | (.50)      | <.50                   |
| Ethylbenzene       | (.50)      | <.50                   |
| Total Xylenes      | (.50)      | <.50                   |
| TPH as Gasoline    | (50)       | <50                    |
| Surrogate Recovery | ,          | 102 %                  |



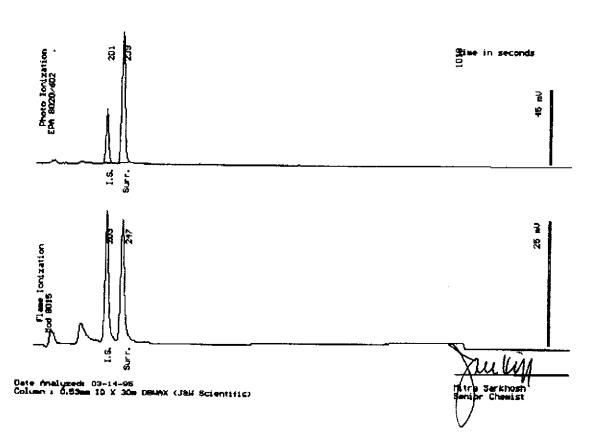


Sample: NW-7

From : BEACON 720 (Proj. # 94-720-01)
Sampled : 03/07/95
Dilution : 1:1 QC Batch

QC Batch : 2116A

| Parameter  | (MRL) ug/L                               | Measured<br>Value ug/L              |
|--|--|-------------------------------------|
| Benzene<br>Toluene<br>Ethylbenzene<br>Total Xylenes<br>TPH as Gasoline | (.50)<br>(.50)<br>(.50)<br>(.50)<br>(50) | <.50<br><.50<br><.50<br><.50<br><50 |
| Surrogate Recovery   |  | 101 %                               |



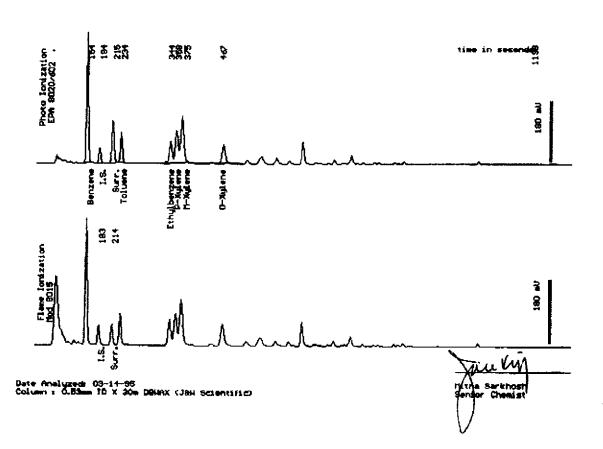


Sample: NW-8

From : BEACON 720 (Proj. # 94-720-01)

Sampled: 03/07/95 Dilution: 1:10 QC Batch : 4116A

| Parameter          | (MRL) wg/L | Measured<br>Value ug/L |
|--------------------|------------|------------------------|
| Benzene            | (5.0)      | 1400                   |
| Toluene            | (5.0)      | 370                    |
| Ethylbenzene       | (5.0)      | 440                    |
| Total Xylenes      | (5.0)      | 2000                   |
| TPH as Gasoline    | (500)      | 7400                   |
| Surrogate Recovery |            | 84 %                   |





Sample Log 11443

Sample: MW-9

From : BEACON 720 (Proj. # 94-720-01)

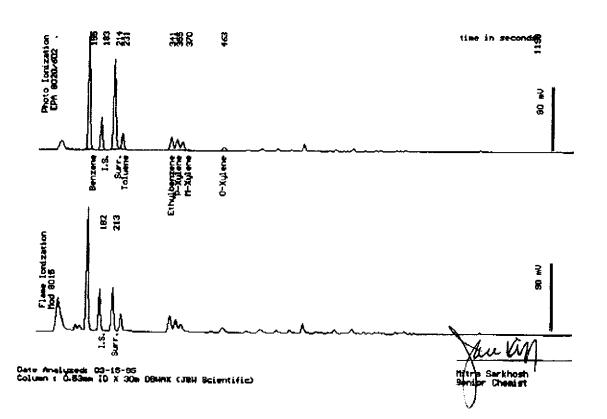
Sampled: 03/07/95

Dilution: 1:25

QC Batch : 4116F

Matrix : Water

| Parameter          | (MRL) wg/L | Measured<br>Value wg/L |
|--------------------|------------|------------------------|
| Benzene            | (13)       | 1600                   |
| Toluene            | (13)       | 1600<br>250            |
| Ethylbenzene       | (13)       | 320                    |
| Total Xylenes      | (13)       | 520                    |
| TPH as Gasoline    | (1300)     | 5200                   |
| Surrogate Recovery | •          | 85 %                   |





## **Uttramar Inc.**

BEACON

#### **CHAIN OF CUSTODY REPORT**

| Bescon Station No. BEACON 720   | Sampler (Print<br>Hal Han                           |       | ANALYSES |           |                |              |  |   | Date<br>3-7-15 | Form No. |              |     |                                       |
|---------------------------------|---|-------|----------|-----------|----------------|--------------|--|---|----------------|----------|--------------|-----|---------------------------------------|
| <b>Project No.</b> 94-720-01    | Sampler (Signa                                      |       | (a)      |           |                |              |  |   | ners           | Star     | dard         |     |                                       |
| Project Location<br>San Leandro | Affiliation Doulos Environmental  Date Time Lab No. |       |          |           | TPH (Gasoline) | TPH (Diesel) |  |   |                |          | f Containers | /4/ |                                       |
| Sample No./Identification       |   |       |          |           | E              | Ŧ            |  |   |                |          | No. of       | RE  | MARKS                                 |
| MW-7                            | 3-7-95  | 1150  | 11443-01 | $\lambda$ | X              |              |  |   |                | 1        | 3            |     |                                       |
| <b>MW-</b> 6                    |   | 12:20 | 11443-D2 |           |                |              |  |   |                |          |              |     | <u>.</u> u_                           |
| MW-3                            |   | 1258  | 11443-03 |           |                |              |  |   | 1              |          |              |     |                                       |
| MW-8                            |   | 12.45 | 11443-04 |           |                |              |  |   |                |          |              |     | · · · · · · · · · · · · · · · · · · · |
| MW-1                            |   | 115   | 11443-05 |           |                |              |  |   |                |          |              |     |                                       |
| MM-2                            |   | 105   | 11443-06 |           |                |              |  |   |                |          | $\prod$      |     |                                       |
| <b>Mu-</b> 5                    |   | 140   | 11443-07 |           |                |              |  | 1 |                |          |              |     | . <u></u>                             |
| MN-4                            | /   | 150   | 11443-08 | 11,       | 1/             |              |  | 1 |                |          | $\square$    |     |                                       |

| Date   | Time                     | Received by:(Signature/Affiliation)                    | Date  | Time  |
|--------|--------------------------|--|---|---|
| 3-1-45 |                          |  | 7-9-95  | 1125  |
| Date   | Time                     | Received by: (Signature/Affiliation)                   | Date  | Time  |
| 3-9-45 | 13:10                    |  |   |   |
| Date   | Time                     | Received by (Signature/Affiliation)                    | Date  | Time  |
|        | <u> </u>                 | Ladan Cless.   | P704-95   | 13:10   |
|        |                          | BM To: Jultramar                                       |   | _   |
|        |                          | 525 W. 3rd Street                                      | 63/09-QK  | 13:10   |
| 160    |                          | Hanford, CA 93230                                      | J* 1 - W  | Oct   |
|        | •                        | Attention Perry Fox                                    |   | VK_   |
|        | J-1-45<br>Date<br>3-1-45 | 7-1-45  1:35<br>Date Time<br>3-1-45  3:70<br>Date Time | Date Time Received by: (Signature/Affiliation)  Date Time Received by: (Signature/Affiliation)  Bill To: /// Ultramar  525 W. 3rd Street  Hanford, CA 93230 | Date Time Received by: (Signature/Affiliation)  Date Time Received by: (Signature/Affiliation)  Date  Date Time Received by: (Signature/Affiliation)  Date    100 |

# Ultramar Inc.

## CHAIN OF CUSTODY REPORT

| ALL BERCON 720                | Sampler (Print No                | ame)       |          |   |                | ΑN    | ALY    | SES |         |    | - }        | Date<br>3-7- <u>95</u>                           | 2 01       | No.           |
|-------------------------------|----------------------------------|------------|----------|---|----------------|-------|--------|-----|---------|----|------------|--|------------|---------------|
| Beacon Station No. BEACON 720 | ,                                | Hal Hansen |          |   |                |       | $\neg$ | T   |         | ΓΤ | 1          | 0-4  | ı 1        |               |
| Project No. 94-720-01         | Sampler (Signatu                 | insen      | ntal     |   | TPH (Gasoline) | sel)  |        |     |         |    | Containers | 8-1-42<br>8-10<br>70                             | endo<br>4T | જા -          |
| Project Location San Leandro  | Affiliation Doulos Environmental |            |          |   | (Gas           | H(Die |        |     |         |    | 5          |  |            |               |
| Sample No./Identification     | Date                             | Time       | Lab No.  | É | E              | Ĕ     |        |     | 1       | -  | 2          | R  | EMARK      | 5             |
|                               | 3-7-93                           | 130        | 11443-04 | × | X              |       |        |     |         |    | 3          |  |            | <del></del> - |
| - MW-9                        | 0.10                             |            | 11443-   |   |                |       |        |     |         | _  | <u>_</u>   | <del> </del>                                     |            |               |
|                               |                                  |            | 11443-   |   |                |       |        |     | _       |    | -          |  |            |               |
|                               |                                  |            | 11443-   |   |                | _     | _      |     | $\perp$ | _  | +          |  |            |               |
|                               |                                  |            | 11443-   |   |                | _     | _      |     | -       |    | +          |  |            | <u>,</u>      |
|                               |                                  |            | 11443-   |   |                |       |        | -   | _       |    | +          | <del> </del>                                     |            |               |
|                               |                                  |            | 11443-   |   | $\perp$        |       |        |     | _       | -  | $\dotplus$ | <del>                                     </del> |            |               |
|                               |                                  |            | 11443-   |   |                |       |        |     |         |    |            |  |            |               |

|   |        |          |  | Date     | Ime   |
|---|--------|----------|--|----------|-------|
| Relinquished by:(Signature/Affiliation)           | Date   | 1        | Received by: (Signature/Affiliation)   | 3-4-95   | 11275 |
| Idul Harren Danlos Enc.                           | 3-9-95 | 11:35    | Juny 4. Jun 1WEST                      | Date     | Time  |
| Relinguished by (Signature/Attiliation)           | Date   | 1        | Received by: (Signature/Affiliation)   |          |       |
| Jung A. Jung 1WEST                                | 3-9-45 | (3:10    | Received by (Signature/Affiliation)    | Date     | Time  |
| Relinquished by:(Signature/Affiliation)           | Date   | Time     | 1   1   1   12   2                     | 03/04-45 | 137/0 |
|   |        | <u> </u> | Bill To: Ultramar                      |          |       |
| Report To: Sheila Richgels Fugro West, Inc.       |        |          | 525 W. 3rd Street<br>Hanford, CA 93230 |          |       |
| 1050 Melody Lane, Suite 16<br>Roseville, CA 95678 | 50     |          | Attention: Terry Fox                   |          |       |

#### DOULOS ENVIRONMENTAL COMPANY GROUNDWATER/LIQUID LEVEL DATA (measurements in feet)

| Project 1 | Address: |
|-----------|----------|
|-----------|----------|

Beacon #720, 1088 Marina Blvd.

Date: \_3-7-95

San Leandro, CA Project No.: 94-720-01

Recorded by:

Hal Hansen

| Well         | No         | Time        | Well Elev.<br>TOC | Depth to<br>Gr. Water | Measured<br>Total Depth | Gr. Water<br>Elevation | Depth to<br>Product | Product<br>Thickness | Comments                            |
|--------------|------------|-------------|-------------------|-----------------------|-------------------------|------------------------|---------------------|----------------------|-------------------------------------|
| MW-          | 1          | 1121        | b                 | 12.74                 | 29.51                   |                        |                     |                      | electrodo nonhe                     |
| MW-          | <u>ي</u>   | 1125        | ٤.                | 12.54                 | 25.87                   |                        |                     |                      | slight ode noohen<br>no odo no ohen |
| MW-          | 3          | 1109        | 2                 | 12.26                 | 26.03                   |                        |                     |                      | no ador no orlean                   |
| MW-          | 4          | 1133        |                   | 17.86                 | 28.64                   |                        |                     |                      | shight ado rasheer                  |
| MW           | -5         | 1129        |                   | 12.73                 | 26.68                   |                        |                     |                      | slightodanoshee                     |
| ,MW,         | <u>'-6</u> | 1105        | 3.                | 12.37                 | 14.98                   |                        |                     |                      | modor no hos                        |
| MW           | -7         | 1190        | /                 | 11.56                 | 15.12                   |                        |                     |                      | noeder noshee                       |
| MW-          | 8          | 1113        | 1/                | 13.75                 | 29.94                   |                        |                     |                      |                                     |
| MW-          | 9          | /1[7        | · /               | 12.79                 | 24.71                   |                        |                     |                      | alybrador masker                    |
|              |            |             |                   |                       | ·                       |                        |                     |                      |                                     |
|              |            |             |                   |                       |                         |                        |                     |                      |                                     |
|              | _          | <del></del> |                   |                       |                         | The last               |                     |                      |                                     |
|              | _          | <del></del> |                   |                       |                         |                        | 11, 11              |                      |                                     |
|              | _          |             |                   |                       |                         |                        |                     |                      |                                     |
| <del> </del> |            |             |                   | :                     |                         |                        |                     |                      |                                     |

Notes:

| . (   | Client:_  | Ultramar  |  | S                                 | ampling [                                     | Date: 3                        | 7-95  |   |
|---|---|---|--|-----------------------------------|---|--------------------------------|---|---|
|   | Site:_  | Beacon #7   | 20   |                                   | Projec  | et No.:_                       | 94-720-01                                   |   |
|   |   | 1088 <b>M</b> ari   | na Bouleva   | <u>rd</u> We                      | ll Design                                     | nation:_                       | MW- /                                       |   |
|   |   | San Leand   |  |                                   | _   |                                |   | <del></del>                             |
| Is the Is to Is well to Height Well to 12" BE General   | ore stand<br>of cas<br>ll cap so<br>of well<br>cover ty<br>al condi | raffic conding water ing cut leealed and casing references by the control of the | in well by vel? locked? iser (in i locked? loc | nches):  " UV 3  embly: E         | NO<br>NO<br>A<br>12" E<br>6" CNI_<br>xcellent | YES Ab YES I YES I MCOOth Good | rair<br>mersible                            | Below TOO<br>remarks<br>remarks<br>Poor |
| 2" PVC bailerDedicated bailer   |   |   |  |                                   |   |                                |   |   |
|   |   | Diameter:   |  |                                   |   |                                |   |   |
| Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.  Initial Measurement Time: //2/ Time: //2/ Time: //2/ Depth of well: 14.5/ Depth to water: /3/92 Actual purge: /6.7/ Depth to water: /1.74 |   |   |  |                                   |   |                                |   |   |
| Start   | purge:_   | 109   | <u> </u>   | -                                 | e: <u>//5</u>                                 |                                |   | <del>-</del>                            |
|   | Time  | Temp.   | E.C.   |                                   | Turbi   | dity                           | Volume                                      |   |
|   | //0   | 68.4  | 721  | 745                               |   |                                | /   |   |
|   | ///   | 67.2  | 764  | 721                               |   |                                | 2   |   |
|   | 111   | 67.3  | 763  | 706                               |   |                                | 3   |   |
|   | 1/2_  | 67,7  | 76.5   | 693                               |   |                                | 4   |   |
| s   | ample ap  | pearance:   | Clear  |                                   | Lock:   | dolp                           | din   | <u> </u>                                |
| 2" L<br>4" L  | ocking C  | aced: (Ch<br>ap:<br>ap:   | _ Loci   | at apply)<br>k #3753:<br>Dolphin: |   | 7/32 A                         | of replace allenhead: 0/16 Bolt: ead (DWP): |   |
| Rema  | rks:  |   |  |                                   |   |                                |   |   |
| Signat  | ure:  | grulgs  | anon   |                                   |   |                                |   |   |

| c  | lient:_                                | Ultramar   | · · · · · · · · · · · · · · · · · · ·   | s                                    | ampling Date:_                       | 3-7 <del>-95</del>  |                         |
|--|--|--|---|--------------------------------------|--------------------------------------|---|-------------------------|
|  | Site:_                                 | Beacon #7  | 20                                      |                                      | Project No.                          | : 94-720-01   |                         |
|  | _                                      | 1088 Mari  | na Bouleva                              | <u>rd</u> We                         | ll Designation                       | : <u>mw-</u> 2  |                         |
|  |  |  | ro, CA                                  |                                      |                                      |   |                         |
| Is top<br>Is wel<br>Height<br>Well c<br>12" BK | of cas<br>l cap s<br>of wel<br>over ty | raffic conding water ing cut ledealed and ledeasing respectives are ledealed are le | vel?<br>locked?<br>iser (in i<br>12" CN | nches):                              | NO YES NO YES NO YES 12" EMCO 6" CNI | time:ho Above TOC Belo If no, see red If no, see red8" BK ther (**Control Fair Poor | w TOC<br>marks<br>marks |
|  |  | ment:<br><br>with: Dis   |   |                                      | lerSD C Teflon bail                  | ubmersible pumpedicated bailenentrifugal pumper:                                    |                         |
|  |  |  |   |                                      | 6" 8                                 |   |                         |
| Initia<br>Time:_<br>Depth<br>Depth             | <u>/ሲ</u> ና<br>of well<br>to wate      | ltiplier:<br>rement<br>: 15.67<br>r: /154  | Rec<br>Time: 10<br>Depth to             | harge Mea<br>by<br>water: <u>/3</u>  | surement                             | 2.61 gal/ft.<br>ated purge: <u>8.5.</u><br>tual purge: <u>8.5</u>                   | <del>3al</del><br>"     |
|  | Time                                   | Temp.  | E.C.                                    | рН                                   | Turbidity                            | Volume  |                         |
|  | 101                                    | 20.4   | 8 <b>7</b> 4                            | 667                                  |                                      | 1   |                         |
|  | 102                                    | 70.2   | 837                                     | 694                                  |                                      | 2   |                         |
|  | 102                                    | 702  | 636                                     | 680                                  |                                      | 3   |                         |
|  | 103                                    | 59.9   | 820                                     | 693                                  |                                      | 4   |                         |
|  |  |  |   |                                      |                                      |   |                         |
| S  | ample a                                | ppearance:   | dean                                    |                                      | Lock: _do                            | lohm  |                         |
| 2" L<br>4" L<br>6" L                           | ocking ocking                          | laced: (Ch<br>Cap: <u>X</u><br>Cap:<br>Cap:  | _ Lock-                                 | nat apply)<br>k #3753:_<br>Dolphin:_ | 7/3:<br>Ľ                            | on of replaced 2 Allenhead: 9/16 Bolt: nhead (DWP):                                 |                         |
| Rema:  | rks: _                                 | 01   |   |                                      |                                      |   |                         |
| Signat   | ure: _                                 | Her  | Han                                     | or .                                 |                                      |   |                         |

|  |  | نسبح سيحتا                       |                               | SILIT DITIO               | THIORMATION SHEET   |
|--|--|----------------------------------|-------------------------------|---------------------------|---|
| . Client:  | Ultramar                                 | <u> </u>                         |                               | Sampling Date:            | 3-7-95  |
| Site:  | Beacon #                                 | 720                              |                               | Project No.               | : 94-720-01   |
|  | 1088 Mar                                 | ina Boulev                       | vard W                        | ell Designation           | ·· ··   |
|  |  | dro, CA                          |                               |                           |   |
| Is setup of Is there sta Is top of ca Is well cap Height of we Well cover to 12" BK General cond | nding wate<br>sing cut l<br>sealed and   | er in well<br>evel?<br>locked?   | box?                          | NO YES                    | time: hours Above TOC Below TO If no, see remark If no, see remark  8".BK ther/12 counts Fair Poor  |
| Purging Equip  | oment:                                   | 2" dispo<br>2" PVC 1<br>4" PVC 1 | osable ba<br>bailer<br>bailer |                           | ubmersible pump<br>edicated bailer<br>entrifugal pump   |
|  |  | 2" <u>X</u>                      |                               | 6" 8'                     |   |
| Depth of well Depth to wate  Start purge:  | : <u>2603</u><br>r: <u>/426</u><br>[125] | Depth to                         | water:                        | Surement Calcula 1300 Act | ted purge: 66 fer lead to the surge: 68 fer |
| Time   | Temp.                                    | E.C.                             | Hq                            | Turbidity                 | Volume  |
| 1252   | 71,2                                     | 824                              | 768                           |                           | ,   |
| 12.53  | 70.3                                     | 500                              | 753                           |                           | 2   |
| 1253   | 70.2                                     | 794                              | 757                           |                           | 3   |
| 1254   | 70,0                                     | 7.93                             | 757                           |                           | 4   |
|  |  |                                  |                               |                           |   |
| Sample ap  | pearance:                                | lear                             |                               | Lock: del                 | ahin  |
| Equipment repl 2" Locking C 4" Locking C 6" Locking C Remarks:                                   | ap:                                      | _ Lock                           | at apply)  #3753: Oolphin:    | 7/32                      | n of replaced item Allenhead: 9/16 Bolt: head (DWP):  |
| Signature:   | Hala                                     | Flavon                           |                               |                           |   |

| C   | :lient:_   | Ultramar   |  | s  | ampling Date:_}  | - <b>プ</b> 95   | _  |
|---|--|--|--|--|--|---|--|
|   | Site:_   | Beacon #7  | 20   |  | Project No.:   | 94-720-01   | _  |
|   | _  | 1088 Mari  | na Bouleva   | ard We   | ll Designation:  | MW- 4   | _  |
|   |  | San Leand  |  |  |  |   |  |
| Is the Is top Is wel Height Well c 12" BK Genera Purgin | re stander of case of well over ty leading Equips  | raffic con ding water ing cut le ealed and l casing r pe: 8" UV 12" DWP tion of we | trol device in well helevel? locked? iser (in in the left in the l | nches): 2" UV  II 3 sembly: E  sable bai bailer bailer | NO YES A NO YES A NO YES NO YE | her <u>0/A C NI</u> Fair Po bmersible pu dicated bail ntrifugal pu r: | low TOC remarks remarks  we bottoor  imp |
| Initia Time: Depth Depth                                | Vol. Mu<br>1 Measu<br>// 33<br>of well<br>to water | ltiplier:<br>rement<br>: 28.64<br>r:/).86  | 0.16 Rec Time: Depth to  | 0.65<br>harge Mea<br>/49<br>water:_/                   | Calcula<br>234 Act   | <br>.61 gal/ft  |  |
| Start   |  | 143  | 1  | pling time   | Τ  | 1   | ·  |
|   | Time   | Temp.  | E.C.   | pH   | Turbidity  | Volume  |  |
|   | 144  | 69.2   | 1241   | 683  |  | 1   |  |
|   | 145  | 68.4   | 1153   | 6.79   | <u> </u>   | Ω .   |  |
|   | 145  | 68.0   | 1138   | 672  | <del></del>  | 3   |  |
|   | 146  | 58. <del>3</del>   | /133   | 6.74   |  | 4   |  |
| Sa  | ample ap   | ppearance:   | _leo   | \  | Lock:  | odin .  |  |
| 2" Lo<br>4" Lo  | ocking (   | aced: (Ch<br>Cap:<br>Cap:<br>Cap:  | _ Lock-  | nat apply)<br>k #3753:<br>Dolphin:                     | 7/32   | Allenhead: _ 9/16 Bolt: _   |  |
| Remai   | rks: _   |  |  |  |  |   |  |
| Signatu   | ıre:   | gla  | Man  | <u>9</u> 1   |  |   |  |

| ,                                    | lient:                                  | Ultramar   |  | S                                  | Sampling Date:                    | 3-795  |
|--------------------------------------|---|--|--|------------------------------------|-----------------------------------|--|
|                                      | Site:_                                  | Beacon #7  | 20   |                                    | Project No.:                      | 94-720-01  |
|                                      | _                                       | 1088 Mari  | na Bouleva                                   | <u>ard</u> We                      | ell Designation:                  |  |
|                                      |   | San Leand  | ro, CA                                       |                                    |                                   |  |
| Is top<br>Is wel<br>Height<br>Well o | of cas<br>l cap s<br>of wel<br>cover ty | sing cut le<br>sealed and<br>.l casing r<br>pe: 8" UV<br>12" DWP | locked?<br>locked?<br>liser (in i<br>locked? | inches):<br>2" UV<br>II 3          | NO YES                            | time: hours  Sove DOC Below TOC  If no, see remarks  If no, see remarks  8" BK  her /2° close  Fair Poor |
| -                                    | g Equip                                 |  | 2" dispo<br>2" PVC h<br>4" PVC h             | ailer<br>ailer                     | lerSu<br>De<br>Ce<br>Teflon baile | bmersible pump<br>dicated bailer<br>ntrifugal pump<br>r:   |
|                                      |   |  |  |                                    | 6 <sup>H</sup> 8 <sup>H</sup> .   |  |
| Initia Time:_ Depth Depth            | l Measu<br>//19<br>of well<br>to wate   | : <u>28.84</u><br>r: <u>12</u> 73                                | Rec<br>Time:<br>Depth to                     | harge Mea<br>/} 9<br>water: /      | Calcula Act                       | ted purge: /D.3ad<br>ual purge: /D.3 //  |
| Start                                |   | <u>/3.5</u>  | Τ  | <del> </del>                       | 1                                 |  |
|                                      | Time                                    | Temp.  |  | рН                                 | Turbidity                         | Volume   |
|                                      | 134                                     | 69.4   | 194  | 694                                |                                   | /  |
|                                      | 135                                     | 64.7   | 1099   | 680                                |                                   | 2  |
|                                      | 135                                     | 58.2   | 1092   | 8.76                               |                                   | 3  |
|                                      | 136                                     | 68.9   | 1087   | 6.76                               |                                   | 4  |
|                                      | <u> </u>                                |  |  |                                    |                                   |  |
| S                                    | ample a                                 | ppearance:   | deen   |                                    | Lock:lock                         | alia   |
| 2" Lo<br>4" Lo                       | ocking ocking ocking                    | laced: (Ch<br>Cap:<br>Cap:<br>Cap:                               | _ Loc  | nat apply)<br>k #3753:<br>Dolphin: | 7/32                              | n of replaced item Allenhead: 9/16 Bolt: nead (DWP):   |
| Signati                              |   | Ha   | Manson                                       |                                    |                                   |  |

|   | Client:_   | Ultramar  |  | s                                       | ampling Date:_   | 3-7-95   |  |  |  |
|---|--|---|--|---|--|--|--|--|--|
|   | Site: Beacon #720  |   |  |   | Project No.: 94-720-01   |  |  |  |  |
|   | _  | 1088 Mari   | na Bouleva   | <u>rd</u> We                            | ll Designation   | : <u>mw</u> -6   |  |  |  |
|   | _  | San Leand   | ro, CA   |   |  |  |  |  |  |
| Is the Is top Is well to 12" BK General | ere stand of case of welcover ty all conditions and the conditions of the conditions | ding water ing cut le ealed and l casing r pe: 8" UV 12" DWP tion of we | in well bevel? locked? iser (in i 12" CN llhead ass 2" dispo 2" PVC b 4" PVC b | nches): " UV 3 embly: E sable bai ailer | NO (ES) NO (ES | time: hours Above TOC GeTow TOC If no, see remarks If no, see remarks  8" BK |  |  |  |
|   |  |   |  |   | Teflon baile   |  |  |  |  |
| Initia<br>Time:_<br>Depth<br>Depth      | l Measur<br>//&<br>of well<br>to water   | rement<br>:   | Rec<br>Time:<br>Depth to   | harge Mea<br>レイ<br>water:_/             | 1.47 2 surement Calcula Loc Act  | ted purge: 1,5 gal<br>ual purge: 1,5 gal                                     |  |  |  |
|   | Time   | Temp.   | E.C.   | рн                                      | Turbidity  | Volume   |  |  |  |
|   | 1201   | 65.2  | 669  | 711                                     |  | ,  |  |  |  |
|   | 1202   | 64.7  | 664  | 7-20                                    |  | 2  |  |  |  |
|   | 1203   | 64.8  | 658  | 1/9                                     |  | 3  |  |  |  |
|   | 1204   | 649   | 654  | 718                                     |  | 4  |  |  |  |
| c                                       | ample ar   | pearance:   | clear  |   | Lock:de  | P. A.  |  |  |  |
| Equipm 2" L 4" L                        | ent repl<br>ocking (<br>ocking (<br>ocking (   | laced: (Ch  | neck all th  | c #3753:                                | Note conditio  | n of replaced item Allenhead: 9/16 Bolt:                                     |  |  |  |
| Signat                                  | ure:   | 3/1   | 12/ans   | m                                       |  |  |  |  |  |

| Ŧ,   |   |   |  |                              | -  |                    |   |              |
|--|---|---|--|------------------------------|--|--------------------|---|--------------|
| . Client: <u>Ultramar</u>  |   |   |  | S                            | Sampling Date: 3-7-95                                |                    |   |              |
|  | Site: Beacon #720                                 |   |  |                              | Project No.: <u>94-720-01</u>                        |                    |   |              |
|  | _   | 1088 Mari   | na Bouleva   | <u>ird</u> We                | ll Desig   | nation:_           | mw-7  |              |
|  |   | San Leand   | ro, CA   |                              |  |                    |   |              |
| Is the Is top Is well the Is Well continued to It is the I | of cas<br>l cap s<br>of wel<br>over ty<br>l condi | raffic con<br>ding water<br>ing cut le<br>ealed and<br>l casing r<br>pe: 8" UV<br>12" DWP<br>tion of we | in well k vel? locked? iser (in i1212" CN llhead ass | nches): 2" UV                | NO<br>NO<br><u>U</u><br>12" F<br>6" CNI_<br>xcellent | YES Ab             | ime:<br>f no, see<br>f no, see<br>8" BK<br>er<br>Fair | Below TOO    |
| Purgin   | g Equip   | ment:   | 2" dispo<br>2" PVC b                                 | sable bai<br>ailer           | ler  | Subi<br>Ded        | mersible<br>icated ba                                 | pump<br>iler |
|  |   |   | 2" PVC b   |                              |  |                    |   | pump         |
| s  | ampled  | with: Dis   | posal bail   | er: <u>/</u>                 | Teflo  | n bailer           | <u> </u>  |              |
|  | Well !  | Diameter:   | 2"   | 4 <sup>H</sup>               | 6" <u></u>   | 8#                 |   |              |
| Initia Time: Depth Depth   | l Measu:<br>//oo<br>of well<br>to wate:           | ltiplier:<br>rement<br>: 2522<br>r: //-58   | Rec<br>Time: //<br>Depth to                          | harge Mea<br>ya<br>water: /1 | surement<br>OO                                       | Calculate<br>Actua |   | _            |
| Start )  |   | //43  | <del></del>  | pling time                   |  |                    |   | $\neg$       |
|  | Time  | -   | E.C.   |                              | Turbi  | dity               | Volume  | _            |
|  | 1144  | 69,4  | 940  | 792                          |  |                    | /   | _            |
|  | 1145  | 66,2  | 937  | 784                          |  |                    | 2   |              |
|  | 1145  | 6 P. D  | 931  | 773                          |  |                    | 3   |              |
|  | 1146  | 68.3  | <b>92</b> 9  | 779                          |  |                    | 7   |              |
|  |   |   | ,  |                              |  |                    |   | 7            |
| Sa   | ample ap  | pearance:   | dear   |                              | Lock:  | dola               | hn  |              |
| 2" Lo<br>4" Lo   | ocking (<br>ocking (<br>ocking (                  | aced: (Ch<br>Cap:<br>Cap:   | _ Loc  | k #3753:                     |  | 7/32 A<br>9        | of replace<br>Allenhead:<br>0/16 Bolt:<br>ead (DWP):  |              |
| Signatu  | ıre:  | Hal ?   | Yanan  |                              |  |                    |   |              |

| Client: <u>Ultramar</u>                |  |                                |  | s   | Sampling Date: 3-7-95                   |                  |  |                       |
|--|--|--------------------------------|--|---|---|------------------|--|-----------------------|
|  | Site: Beacon #720  |                                |  |   | Project No.: 94-720-01                  |                  |  |                       |
|  |  | 1088 Mari                      | na Bouleva   | <u>rd</u> We                                      | ll Desig                                | nation:_         | MW- 8  | <del></del>           |
|  | _  | San Leand                      | ro, CA   |   |   |                  |  |                       |
| Is the Is top Is well to 12" BK Genera | ere stand<br>o of cas:<br>l cap se<br>cover typ<br>l<br>condit |                                | in well b vel? locked? iser (in i12" CN llhead ass2" dispo2" PVC b4" PVC b | ox? nches): " UV 3 embly: E sable bai ailer ailer | NO<br>NO<br>12" F<br>6" CNI<br>xcellent | MCO Oth Cood Ded | f no, se f no, se f no, se Fair  mersible icated btrifugal | pump<br>ailer<br>pump |
| s                                      | ampled w   | vith: Dis                      | posal bail   | er: <u> </u>                                      | Teflor                                  | n bailer         | :  |                       |
|  | Well [   | )iameter:                      | 2"   | 4"  | 6"                                      | _ 8"_            |  |                       |
| Initia Time:_ Depth                    | l Measur   | ement<br>1994                  | 0.16<br>Rec<br>Time: <u>//</u><br>Depth to                                 | 0.65<br>harge Meas<br>- 사꾸<br>water: <u>/</u> /   | surement                                |                  |  |                       |
| Start                                  | purge: <u>/</u>  | 140                            | Sam  | pling time  | e: <u>1245</u>                          |                  |  |                       |
|  | Time   | Temp.                          | E.C.   | рН  | Turbi                                   | dity             | Volume   | •                     |
|  | 1241   | 694                            | 841  | 783   |   |                  | 1  |                       |
|  | 1242   | 68.4                           | 800  | 279   |   |                  | 2  |                       |
|  | 12-494   | 67.4                           | 772  | 762   |   |                  | 3  |                       |
|  | 1243   | 67.5                           | 770  | 784   |   | <b>)</b>         | 4  |                       |
|  |  |                                |  |   |   | · ·              |  |                       |
| s                                      | ample ap   | pearance:                      | _ Ree  | ۸   | Lock:                                   | dola             | Rin  |                       |
| 2" L                                   | ocking C<br>ocking C   | aced: (Ch<br>ap:<br>ap:<br>ap: | Lock-I   | : #3753: <u> </u>                                 |   | 7/32 A           | llenhead   | aced item             |
| Rema                                   | rks:   |                                |  |   |   |                  |  |                       |
| Signati                                | ure:   | gfa                            | Man  | z4  |   |                  |  |                       |

Signature:

|   |  |   |                         |                | · · · · · ·                               |  |             |  |
|---|--|---|-------------------------|----------------|---|--|-------------|--|
| Client: <u>Ultramar</u>                             |  |   |                         |                | Sampling Date                             | 3-7-95   | <del></del> |  |
|   | Site: <u>Beacon #720</u>   |   |                         |                | Project No.: 94-720-01                    |  |             |  |
|   | _  | 1088 Mar  | ina Boulev              | ard W          | ell Designatio                            | on: <u>mw-9</u>  |             |  |
|   |  | San Lean  | iro, CA                 |                |   |  |             |  |
| Is the Is top Is well Height Well of 12" BK General | ere star<br>o of cas<br>l cap s<br>o of wel<br>cover ty<br>l condi | ding water sing cut le sealed and l casing n pe: 8" U 12" DWP_ tion of we | locked? ciser (in : V 1 | inches): 2" UV | 12" EMCO_ Excellent co                    | If no, see  8" BK Other  od Fair  Submersible podicated base Centrifugal p | Poor        |  |
| S   | ampled   | with: Dis   | sposal bail             | ler:           | Teflon bai                                | ler:   |             |  |
| Initia Time:_ Depth                                 | Vol. Mu<br>l Measu   | Diameter: ltiplier: rement : 1471 r: 4.79                                 | 0.16<br>Rec             | 0.65           | 6"<br>1.47<br>surement<br>Calcu<br>(342 A | 2.61 gal/f   | _           |  |
| Start   | purge:_  | 119   | Sam                     | pling tim      | e: <u>/}</u> 0                            |  |             |  |
|   | Time   | Temp.   | E.C.                    | рН             | Turbidity                                 | Volume   | ]           |  |
|   | 12.0   | 59.V  | 892                     | 714            |   | 1  | 1           |  |
|   | 123  | 08.2  | 874                     | 710            |   | 2  | 1           |  |
|   | 125  | 68.3  | 862                     | 708            |   | 3  | 1           |  |
|   | 127  | 69.2  | 870                     | 707            |   | 4  | 4           |  |
|   |  |   |                         |                |   |  | 1           |  |
| Sa  | ample ap   | ppearance:  | clear                   | ·              | Lock: do                                  | ladin  | J           |  |
| 2" Lo<br>4" Lo                                      | ocking (<br>ocking (   | Cap:  | neck all th             | nat apply)     | Note condit                               | ion of replac<br>32 Allenhead:<br>9/16 Bolt:<br>enhead (DWP):              |             |  |
| Signatu   | ıre: _   | 9 Lu  | 1 Janea                 |                |   | -  |             |  |

## ACTON • MICKELSON • van DAM, INC.

## GROUND WATER LEVEL DATA

| Date     | 4 21 94      |                               | Measuring Device   n lenfu Pole    |                                |                                  |                                     |                                |
|----------|--------------|-------------------------------|------------------------------------|--------------------------------|----------------------------------|-------------------------------------|--------------------------------|
| Well No. | Time         | Depth to<br>Product<br>(feet) | Depth to<br>Ground Water<br>(feet) | Product<br>Thickness<br>(feet) | Reference<br>Elevation<br>(feet) | Ground Water<br>Elevation<br>(feet) | and identified                 |
| Mw-9     | 1345         | <del>-</del>                  | 13.76                              |                                | 32.56                            | 18.80                               | Physical Observations/Comments |
| 14.2     | 1330         |                               | 13.86                              |                                | 33.10                            | 19.24                               | Né odor                        |
|          | 1335<br>1340 |                               | 13.71                              |                                | 32.80                            | 19.09                               | [1                             |
| lw .4    | 1350         |                               | 13.34                              |                                | 32.30                            | 19.00                               | ı                              |
| 1W-5     | 355          |                               | 13.99                              |                                | 32.90                            | 18.91                               | 1-                             |
| المال    | 1-100        |                               | 13 84                              |                                | 32.70                            | 19.96                               | F                              |
| (U-)     | 1410         |                               | 11.61                              |                                | 70.40                            | 18.79                               |                                |
|          | 1420         |                               | 12.38                              |                                | 31.20                            | 19.87                               | ·                              |
|          | 1120         |                               | 14.99                              |                                | 33.8c                            | 18.91                               | I.                             |
|          |              |                               |                                    |                                |                                  |                                     |                                |
|          |              |                               |                                    | <del></del>                    |                                  |                                     |                                |
|          |              |                               |                                    | <del></del>                    |                                  |                                     |                                |
|          |              |                               |                                    |                                |                                  |                                     |                                |

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