

June 24, 2003

Ms. Eva Chu  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, 2<sup>nd</sup> floor  
Alameda, CA 94502

Alameda County  
JUL 07 2003  
Environmental Health

**Re: Second Quarter 2003 Groundwater Monitoring Report  
ARCO Service Station #0601  
712 Lewelling Boulevard  
San Leandro, California  
URS Project #38486088**

Dear Ms. Chu:

On behalf of Atlantic Richfield Company (ARCO – an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Second Quarter 2003 Groundwater Monitoring Report* for the ARCO Service Station #0601, located at 712 Lewelling Boulevard, San Leandro, California.

If you have any questions regarding this submission, please call (510) 874-3280.

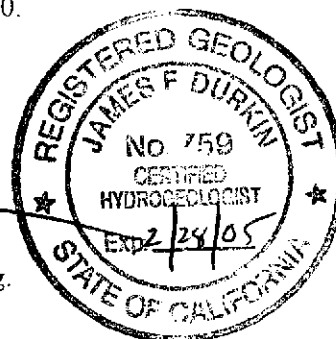
Sincerely,

**URS CORPORATION**

*Scott Robinson*

Scott Robinson  
Project Manager

*James F. Durkin*  
James F. Durkin, C.Hg.  
Senior Geologist



Enclosure: Second Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, P.O. Box 6549, Moraga, CA 94570  
Mr. Mike Bakaldin, City of San Leandro, Environmental Services Division, 835 East 14th Street, San Leandro, CA 94577



Atlantic Richfield Company  
(a BP affiliated company)

P.O. Box 6549  
Moraga, California 94570  
Phone: (925) 299-8891  
Fax: (925) 299-8872



bp

RO - 309

Alameda County

JUL 0 2003

Environmental Health, 2003  
July

Second Quarter 2003 Groundwater Monitoring Report  
ARCO Service Station #0601  
712 Lewelling Boulevard  
San Leandro, California

I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple  
Environmental Business Manager

# **R E P O R T**

## **SECOND QUARTER 2003 GROUNDWATER MONITORING**

**ARCO SERVICE STATION #0601  
712 LEWELLING BOULEVARD,  
SAN LEANDRO, CALIFORNIA**

*Prepared for*  
**Atlantic Richfield Company**

**June 24, 2003**

# **URS**

**URS Corporation  
500 12th Street, Suite 200  
Oakland, California 94607**

**38486088**

Date: June 24, 2003  
Quarter: 2Q 03

## ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 0601 Address: 712 Lewelling Boulevard, San Leandro, CA  
Atlantic Richfield Co. Environmental Engineer: Paul Supple  
Consulting Co./Contact Person: URS Corporation / Scott Robinson  
Consultant Project No.: 38486088  
Primary Agency: Alameda County Health Care Services Agency (ACHCSA)

### WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter 2003 groundwater monitoring event on April 7, 2003.
2. Prepared and submitted first quarter 2003 groundwater monitoring report.
3. Prepared and submitted second quarter 2003 groundwater monitoring report..
4. Removed and replaced fuel lines.
5. Replaced oxygen releasing socks (ORC) in wells.

### WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare and submit third quarter 2003 groundwater monitoring report.
3. Submit report on fuel line upgrade activity.

|                                       |                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Current Phase of Project:             | GW monitoring/sampling                                                                                                                   |
| Frequency of Groundwater Sampling:    | Annual (1st Quarter): MW-2, MW-11, MW-13<br>Semi-Annual (1st/3rd Quarter) MW-9, MW-15<br>Quarterly: MW-1, MW-3 through MW-8 MW-10, MW-14 |
| Frequency of Groundwater Monitoring:  | Quarterly                                                                                                                                |
| Is Free Product (FP) Present On-Site: | No                                                                                                                                       |
| FP Recovered this Quarter:            | None                                                                                                                                     |
| Cumulative FP Recovered to Date:      | 3.45 gallons, Well MW-1                                                                                                                  |
| Bulk Soil Removed This Quarter:       | None                                                                                                                                     |
| Bulk Soil Removed to Date:            | 1,565 cubic yards of TPH impacted soil                                                                                                   |
| Current Remediation Techniques:       | Natural Attenuation / ORC: MW-2, MW-3, MW-5, and MW-8                                                                                    |
| Approximate Depth to Groundwater:     | 5.94 (MW-15) to 9.09 (MW-14)                                                                                                             |
| Groundwater Gradient (direction):     | East-Southeast                                                                                                                           |
| Groundwater Gradient (magnitude):     | 0.033 feet per foot                                                                                                                      |

### DISCUSSION:

The nine groundwater samples collected this quarter were analyzed by EPA method 8260B for TPH-g, BTEX, and fuel oxygenates. TPH-g was detected in five of the wells sampled at concentrations ranging from 310 micrograms per liter ( $\mu\text{g/L}$ ) in well MW-4 to 48,000  $\mu\text{g/L}$  in well MW-3. Benzene was detected in five wells at concentrations ranging from 13  $\mu\text{g/L}$  in well MW-6 to 940  $\mu\text{g/L}$  in well MW-1. MTBE was detected in six wells at concentrations ranging from 1.6  $\mu\text{g/L}$  in well MW-10 to 69  $\mu\text{g/L}$  in well MW-1. Well MW-1 was analyzed for semivolatile organic compounds (SVOCs) by EPA method 8270. The sample collected from MW-1 contained 2-Methylnaphthalene and Naphthalene detected at concentrations of 260  $\mu\text{g/L}$  and 700  $\mu\text{g/L}$  respectively.

**ATTACHMENTS:**

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Table 3 – Groundwater Flow Direction and Gradient
- Table 4 – Volatile and Semivolatile Organic Compounds Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – April 7, 2003
- Figure 2 – TPH-g Isoconcentration Map – April 7, 2003
- Figure 3 – Benzene Isoconcentration Map – April 7, 2003
- Figure 4 – MTBE Isoconcentration Map – April 7, 2003
- Figure 5 – Rose Diagram of Groundwater Flow Direction – April 7, 2003
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L)                                    | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|-----------------------------------------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-1        | 07/18/90     | 22.98                         | 9.03                             | 13.95                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 10/15/90     |                               | 9.85                             | 13.13(i)                     | Not sampled: well contained 0.25 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 01/09/91     |                               | 9.47                             | 13.51(i)                     | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 04/16/91     |                               | 6.12                             | 16.86                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 06/10/91     | 22.26                         | 9.00                             | 13.26                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 10/10/91     |                               | 9.73                             | 12.53(i)                     | Not sampled: well contained 0.04 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 03/23/92     |                               | 7.40                             | 14.86                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 06/08/92     |                               | 9.08                             | 13.18(i)                     | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 09/15/92     |                               | 9.18                             | 14.08                        | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/16/92     |                               | 9.09                             | 13.17(i)                     | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 02/16/93     |                               | 7.03                             | 15.23(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 05/13/93     |                               | 8.08                             | 14.18(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 08/17/93     |                               | 8.81                             | 13.45(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/08/93     |                               | 9.22                             | 13.04(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 02/14/94     |                               | 7.72                             | 14.54                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 05/05/94     |                               | 8.47                             | 13.79                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 08/04/94     |                               | 8.72                             | 13.54                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/20/94     |                               | 7.81                             | 14.45                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 03/17/95     |                               | 6.57                             | 15.69                        | 120,000                                                   | 5,300          | 370            | 1,500                | 13,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 7.87                             | 14.39                        | 250,000                                                   | 7,100          | 950            | 3,500                | 21,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 8.12                             | 14.15(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/27/95     |                               | 8.42                             | 13.84                        | 310,000                                                   | 4,600          | 770            | 5,700                | 21,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 6.01                             | 16.25                        | 100,000                                                   | 6,200          | 320            | 2,500                | 12,000               | ND<1,000(j) | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.03                             | 15.23                        | 340,000                                                   | 6,600          | 240            | 4,500                | 22,000               | ND<1,000    | NA          | NA                      | NA                    | NA        |
|             | 08/26/96     |                               | 8.16                             | 14.10                        | 210,000                                                   | 7,900          | 320            | 3,400                | 15,000               | ND<1,000    | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 7.84                             | 14.42                        | 62,000                                                    | 5,900          | 77             | 2,000                | 7,700                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 03/24/97     | 19.19                         | 8.05                             | 11.14                        | 170,000                                                   | 6,500          | ND<200         | 2,400                | 9,900                | ND<1,000    | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.42                             | 10.77                        | 83,000                                                    | 6,200          | 84             | 2,500                | 9,000                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 08/19/97     |                               | 8.65                             | 10.54                        | 83,000                                                    | 4,500          | ND<100         | 2,200                | 8,100                | ND<600      | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 8.54                             | 10.65                        | 250,000                                                   | 4,400          | ND<500         | 3,800                | 9,900                | ND<3,000    | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 5.57                             | 13.62                        | 74,000                                                    | 2,500          | 120            | 2,200                | 4,100                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.92                             | 12.27                        | 210,000                                                   | 2,700          | ND<500         | 4,200                | 8,300                | ND<3,000    | NA          | NA                      | NA                    | 1.5       |
|             | 07/27/98     |                               | 8.14                             | 11.05                        | 73,000                                                    | 2,100          | 88             | 2,600                | 4,600                | ND<300      | NA          | NA                      | NA                    | 1.0       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-1           | 10/14/98        |                                        | 8.58                                   | 10.61                              | 47,000                          | 2,900             | ND<500            | 2,300                       | 3,900                      | ND<300         | NA             | NA                               | NA                       | 1.5          |
| cont.          | 01/21/99        |                                        | 7.48                                   | 11.71                              | 45,000                          | 1,400             | 64                | 2,100                       | 2,400                      | ND<300         | NA             | NA                               | NA                       | 1.0          |
|                | 05/06/99        |                                        | 8.00                                   | 11.19                              | 41,000                          | 1,900             | ND<20             | 2,800                       | 3,400                      | ND<120         | NA             | NA                               | NA                       | 0.85         |
|                | 08/23/99        |                                        | 8.56                                   | 10.63                              | 26,000                          | 1,700             | 52                | 1,600                       | 1,500                      | ND<75          | NA             | NA                               | NA                       | 0.72         |
|                | 10/28/99        |                                        | 8.92                                   | 10.27                              | 38,000                          | 2,500             | 35                | 2,400                       | 2,500                      | ND<200         | NA             | NA                               | NA                       | 0.70         |
|                | 02/04/00        |                                        | 8.48                                   | 10.71                              | 19,000                          | 960               | 13                | 1,200                       | 860                        | ND<60          | NA             | NA                               | NA                       | 2.11         |
|                | 06/20/00        |                                        | 8.20                                   | 10.99                              | 23,000                          | 2,400             | 50                | 1,800                       | 680                        | ND<200         | NA             | NA                               | NA                       | NA           |
|                | 09/29/00        |                                        | 8.55                                   | 10.64                              | 23,600                          | 2,880             | ND<50             | 2,130                       | 871                        | ND<250         | NA             | NA                               | 430(a);1,100(b)          | NA           |
|                | 12/17/00        |                                        | 8.28                                   | 10.91                              | 21,600                          | 1,980             | ND<50             | 1,610                       | 664                        | ND<250         | NA             | NA                               | 270(a);900(b)            | NA           |
|                | 03/28/01        |                                        | 8.13                                   | 11.06                              | 19,800                          | 2,310             | ND<100            | 2,010                       | 517                        | ND<500         | NA             | NA                               | 11( c)                   | NA           |
|                | 06/20/01        |                                        | 8.60                                   | 10.59                              | 17,000                          | 2,200             | 23                | 1,800                       | 320                        | 100            | NA             | NA                               | NA                       | NA           |
|                | 09/22/01        |                                        | 9.03                                   | 10.16                              | 20,000                          | 2,900             | ND<200            | 2,500                       | 270                        | ND<1000        | NA             | NA                               | 360(a); 980(b)           | NA           |
|                | 12/27/01        |                                        | 7.93                                   | 11.26                              | 15,000                          | 2,000             | ND<50             | 1,700                       | 140                        | 290            | NA             | NA                               | 370(a);1,200(b)          | NA           |
|                | 03/15/02        |                                        | 7.89                                   | 11.30                              | 12,000                          | 1,800             | ND<50             | 1,400                       | 79                         | ND<250         | NA             | NA                               | 220(a); 880(b)           | NA           |
|                | 04/18/02        |                                        | 7.05                                   | 12.14                              | 16,000                          | 3,000             | 180               | 2,600                       | 320                        | ND<250         | NA             | NA                               | 250(a); 880(b)           | 1.26         |
|                | 07/23/02 NP     |                                        | 8.7                                    | 10.49                              | 14,000(e)                       | 3,200             | ND<50             | 2,100                       | ND<50                      | ND<250         | NA             | NA                               | 470(a);1,100(b)          | 0.9          |
|                | 10/16/02 NP     |                                        | 9.12                                   | 10.07                              | 14,000(d)                       | 2,100             | ND<25             | 2,000                       | 31                         | ND<120         | NA             | NA                               | 490(a);1,500(b)          | 0.8          |
|                | 01/23/03(g) NP  |                                        | 7.45                                   | 11.74                              | 6,000                           | 680               | ND<50             | 800                         | ND<50                      | ND<50          | NA             | NA                               | 250(a);800(b);75(f)      | 0.9          |
|                | 04/07/03 NP     |                                        | 7.68                                   | 11.51                              | 6,400                           | 940               | 6.6               | 810                         | 11                         | 69             | NA             | NA                               | 260(a);700(b)            | 1.1          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-2        | 07/18/90     | 22.06                         | 7.86                             | 14.20                        | 35,000                 | 3,800          | 2,900          | 690                  | 3,600                | NA          | NA          | NA                      | NA                    | NA        |
|             | 10/15/90     |                               | 8.61                             | 13.45                        | 6,400                  | 650            | 290            | 110                  | 560                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 01/09/91     |                               | 8.43                             | 13.63                        | 13,000                 | 1,500          | 970            | 390                  | 1,500                | NA          | NA          | NA                      | NA                    | NA        |
|             | 04/16/91     |                               | 6.97                             | 15.09                        | 54,000                 | 5,200          | 9,000          | 1,500                | 7,700                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/10/91     | 21.33                         | 7.91                             | 13.42                        | 26,000                 | 3,000          | 2,500          | 880                  | 4,200                | NA          | NA          | NA                      | NA                    | NA        |
|             | 10/10/91     |                               | 8.82                             | 12.51                        | 10,000                 | 1,600          | 910            | 280                  | 1,400                | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/23/92     |                               | 6.86                             | 14.47                        | 33,000                 | 4,100          | 5,000          | 1,100                | 5,300                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/08/92     |                               | 7.95                             | 13.38                        | 18,000                 | 1,200          | 980            | 330                  | 1,800                | NA          | NA          | NA                      | NA                    | NA        |
|             | 09/15/92     |                               | 8.71                             | 12.62                        | 13,000                 | 430            | 500            | 340                  | 1,800                | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/16/92     |                               | 7.93                             | 13.40                        | 13,000                 | 900            | 940            | 300                  | 1,400                | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 6.02                             | 15.31                        | 20,000                 | 1,800          | 1,200          | 530                  | 2,700                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 6.99                             | 14.34                        | 13,000                 | 1,000          | 470            | 370                  | 1,900                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 7.85                             | 13.48                        | 9,100                  | 770            | 160            | 310                  | 1,500                | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 8.12                             | 13.21                        | 9,200                  | 380            | 62             | 130                  | 630                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 6.88                             | 14.45                        | 8,700                  | 670            | 370            | 50                   | 1,400                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 7.51                             | 13.82                        | 5,600                  | 390            | 140            | 120                  | 480                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 8.00                             | 13.33                        | 2,300                  | 180            | ND<2.5*        | ND<2.5*              | 230                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 6.86                             | 14.47                        | 4,900                  | 170            | 150            | 120                  | 390                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.12                             | 15.21                        | 10,000                 | 460            | 77             | 260                  | 550                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 6.56                             | 14.77                        | 13,000                 | 400            | 78             | 210                  | 410                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 7.18                             | 14.15                        | 5,000                  | 280            | 18             | 120                  | 140                  | ND<50       | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 7.39                             | 13.94                        | 3,200                  | 230            | 12             | 77                   | 90                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 5.78                             | 15.55                        | 11,000                 | 290            | 67             | 190                  | 330                  | ND<50       | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 6.27                             | 15.06                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 7.30                             | 14.03                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/96     |                               | 7.28                             | 14.05                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 21.12                         | 7.11                             | 14.01                        | 4,800                  | 570            | 6              | 71                   | 32                   | 67          | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 7.44                             | 13.68                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 7.64                             | 13.48                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | 7.70                             | 13.42                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 5.22                             | 15.90                        | 2,000                  | 160            | 50             | 66                   | 230                  | 25          | NA          | NA                      | NA                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-2           | 04/23/98        |                                        | 6.24                                   | 14.88                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
| cont.          | 07/27/98        |                                        | 7.02                                   | 14.10                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 10/14/98        |                                        | 7.54                                   | 13.58                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/21/99        |                                        | 7.15                                   | 13.97                              | 1,700                           | 84                | 4                 | 31                          | 10                         | 13             | NA             | NA                               | NA                       | 0.5          |
|                | 05/06/99        |                                        | 6.95                                   | 14.17                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 08/23/99        |                                        | 7.49                                   | 13.63                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | 0.68         |
|                | 10/28/99        |                                        | 7.92                                   | 13.20                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 02/04/00        |                                        | 6.61                                   | 14.51                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 06/20/00        |                                        | 7.12                                   | 14.00                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/29/00        |                                        | 7.60                                   | 13.52                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | 7.42                                   | 13.70                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/28/01        |                                        | 6.84                                   | 14.28                              | 838                             | 18.1              | ND<5.0            | 7.63                        | 5.98                       | 39.5           | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | 7.66                                   | 13.46                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/22/01        |                                        | 8.08                                   | 13.04                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NA                       | NA           |
|                | 12/27/01        |                                        | 6.48                                   | 14.64                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/15/02        |                                        | 6.84                                   | 14.28                              | 100                             | ND<0.5            | ND<0.5            | 2.5                         | ND<0.5                     | 75             | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 6.19                                   | 14.93                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 07/23/02        |                                        | 7.73                                   | 13.39                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 10/16/02        |                                        | 8.10                                   | 13.02                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/23/03(g) P   |                                        | 6.52                                   | 14.60                              | ND<5,000                        | ND<50             | ND<50             | ND<50                       | ND<50                      | 95             | NA             | NA                               | NA                       | 1.6          |
|                | 04/07/03        |                                        | 7.22                                   | 13.90                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L)                                    | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|-----------------------------------------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-3        | 07/18/90     | 20.84                         | 7.03                             | 13.81                        | NA                                                        | NA             | NA             | NA                   | NA                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 10/15/90     |                               | 8.19                             | 12.65(i)                     | Not sampled: well contained 0.75 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 01/09/91     |                               | 7.46                             | 13.38(i)                     | Not sampled: well contained 0.30 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 04/16/91     |                               | 7.95                             | 12.89                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 06/10/91     | 20.11                         | 7.14                             | 12.97                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 10/10/91     |                               | 7.82                             | 12.29(i)                     | Not sampled: well contained 0.26 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 03/23/92     |                               | 5.75                             | 14.36                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 06/08/92     |                               | 7.52                             | 12.59(i)                     | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 09/15/92     |                               | 8.01                             | 12.10(i)                     | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/16/92     |                               | 7.11                             | 13.00                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 02/16/93     |                               | 5.93                             | 14.18(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 05/13/93     |                               | 6.37                             | 13.74(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 08/17/93     |                               | 7.00                             | 13.11(i)                     | Not sampled: well contained 0.01 feet of floating product |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/08/93     |                               | 7.31                             | 12.80                        | 430,000                                                   | 4,100          | 14,000         | 6,400                | 37,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 5.81                             | 14.30                        | 85,000                                                    | 4,200          | 12,000         | 2,500                | 16,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 6.81                             | 13.30                        | 560,000                                                   | 4,600          | 14,000         | 5,300                | 40,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 7.31                             | 12.80                        | 64,000                                                    | 4,200          | 7,600          | 1,700                | 12,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 5.88                             | 14.23                        | 80,000                                                    | 4,700          | 9,700          | 2,400                | 15,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 5.46                             | 14.65                        | 370,000                                                   | 4,800          | 12,000         | 5,800                | 34,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 6.34                             | 13.77                        | 270,000                                                   | 6,000          | 11,000         | 5,200                | 28,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 6.60                             | 13.52(i)                     | Not sampled: well contained 0.02 feet of floating product |                |                |                      |                      |             |             |                         |                       | NA        |
|             | 11/27/95     |                               | 6.76                             | 13.35                        | 150,000                                                   | 5,100          | 8,800          | 3,900                | 21,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 5.14                             | 14.97                        | 150,000                                                   | 4,400          | 7,600          | 4,100                | 22,000               | ND<3,000    | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 5.17                             | 14.94                        | 410,000                                                   | 4,700          | 8,000          | 6,300                | 36,000               | ND<3,000    | NA          | NA                      | NA                    | NA        |
|             | 08/26/96     |                               | 7.04                             | 13.07                        | 260,000                                                   | 4,000          | 6,100          | 4,200                | 24,000               | ND<2,000    | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 6.26                             | 13.85                        | 190,000                                                   | 3,200          | 5,800          | 3,300                | 20,000               | ND<1,000    | NA          | NA                      | NA                    | NA        |
|             | 03/24/97     | 22.99                         | 6.94                             | 16.05                        | 430,000                                                   | 2,700          | 7,600          | 7,000                | 39,000               | ND<5,000    | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 6.98                             | 16.01                        | 130,000                                                   | 2,100          | 4,300          | 3,500                | 19,000               | ND<700      | NA          | NA                      | NA                    | NA        |
|             | 08/19/97     |                               | 7.25                             | 15.74                        | 100,000                                                   | 2,000          | 3,200          | ND<100               | 19,000               | ND<600      | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 7.25                             | 15.74                        | 93,000                                                    | 1,700          | 2,400          | 2,800                | 16,000               | ND<600      | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 5.24                             | 17.75                        | 80,000                                                    | 620            | 1,200          | 2,500                | 13,000               | ND<600      | NA          | NA                      | NA                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-3           | 04/23/98        |                                        | 6.60                                   | 16.39                              | 130,000                         | 1,500             | 2,400             | 3,500                       | 18,000                     | ND<600         | NA             | NA                               | NA                       | 3.5          |
| cont.          | 07/27/98        |                                        | 7.00                                   | 15.99                              | 140,000                         | 920               | 1,500             | 2,400                       | 13,000                     | ND<600         | NA             | NA                               | NA                       | 1.0          |
|                | 10/14/98        |                                        | 7.04                                   | 15.95                              | 300,000                         | 1,200             | 2,400             | 5,700                       | 32,000                     | 970            | NA             | NA                               | NA                       | 1.0          |
|                | 01/21/99        |                                        | 6.50                                   | 16.49                              | 120,000                         | 860               | 1,500             | 2,600                       | 14,000                     | ND<600         | NA             | NA                               | NA                       | 0.5          |
|                | 05/06/99        |                                        | 6.90                                   | 16.09                              | 49,000                          | 670               | 1,400             | 2,500                       | 11,000                     | 170            | NA             | NA                               | NA                       | 1.03         |
|                | 08/23/99        |                                        | 6.53                                   | 16.46                              | 51,000                          | 440               | 930               | 2,200                       | 9,200                      | ND<150         | NA             | NA                               | NA                       | 0.67         |
|                | 10/28/99        |                                        | 7.50                                   | 15.49                              | 1,400,000                       | 830               | 4,100             | 15,000                      | 78,000                     | ND<5,000       | NA             | NA                               | NA                       | 0.77         |
|                | 02/04/00        |                                        | 6.21                                   | 16.78                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<1                       | 650            | NA             | NA                               | NA                       | 1.61         |
|                | 06/20/00        |                                        | 6.22                                   | 16.77                              | 45,000                          | 670               | 990               | 2,400                       | 12000                      | ND<500         | NA             | NA                               | NA                       | NA           |
|                | 09/29/00        |                                        | 7.20                                   | 15.79                              | 51,000                          | 860               | 1,120             | 2,720                       | 12900                      | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 12/17/00        |                                        | NM                                     | NM                                 | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NA                       | NA           |
|                | 03/28/01        |                                        | 6.10                                   | 16.89                              | 43,500                          | 804               | ND<200            | 250                         | 11,000                     | ND<1,000       | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | 6.14                                   | 16.85                              | 62,000                          | 1,000             | 850               | 2,800                       | 13,000                     | ND<2,500       | NA             | NA                               | NA                       | NA           |
|                | 09/22/01        |                                        | 7.24                                   | 15.75                              | 53,000                          | 1,200             | 1,200             | 3,100                       | 13,000                     | ND<1,000       | NA             | NA                               | NA                       | NA           |
|                | 12/27/01        |                                        | 7.00                                   | 15.99                              | 44,000                          | 860               | 840               | 2,300                       | 10,000                     | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 7.02                                   | 15.97                              | 43,000                          | 1,000             | 810               | 2,300                       | 11,000                     | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | NM                                     | NM                                 | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 07/23/02        | P                                      | 7.22                                   | 15.77                              | 45,000(d)                       | 750               | 570               | 2,100                       | 10,000                     | ND<250         | NA             | NA                               | NA                       | 1.0          |
|                | 10/16/02        | P                                      | 7.54                                   | 15.45                              | 42,000(d)                       | 780               | 620               | 2,500                       | 11,000                     | ND<250         | NA             | NA                               | NA                       | 1.4          |
|                | 01/23/03(g)     | P                                      | 6.85                                   | 16.14                              | 68,000                          | 580               | 500               | 3,300                       | 16,000                     | ND<100         | NA             | NA                               | NA                       | 1.3          |
|                | 04/07/03        | P                                      | 7.05                                   | 15.94                              | 48,000                          | 620               | 450               | 2,200                       | 11,000                     | ND<50          | NA             | NA                               | NA                       | 1.4          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-4        | 06/10/91     | 20.75                         | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 10/10/91     |                               | DRY                              | DRY                          | 15,000                 | 5,300          | 1,500          | 470                  | 1,300                | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/23/92     |                               | DRY                              | DRY                          | 24,000                 | 5,600          | 4,000          | 580                  | 3,100                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/08/92     |                               | DRY                              | DRY                          | 5,700                  | 2,000          | 170            | 92                   | 270                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 09/15/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/16/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/16/93     |                               | 7.10                             | 13.65                        | 12,000                 | 920            | 1,100          | 130                  | 750                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 7.02                             | 13.73                        | 19,000                 | 2,900          | 2,800          | 360                  | 1,900                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 7.85                             | 12.90                        | 8,100                  | 1,600          | 1,300          | 170                  | 730                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | DRY                              | DRY                          | 2,000                  | 540            | 110            | 10                   | 240                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 05/05/94     |                               | 7.73                             | 13.02                        | 1,900                  | 510            | 78             | 31                   | 150                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 7.83                             | 12.92                        | 1,300                  | 360            | 17             | ND<5*                | 190                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 7.73                             | 13.02                        | ND<50                  | 2.9            | 0.5            | ND<0.5               | 1.4                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.65                             | 14.10                        | 16,000                 | 1,800          | 970            | 310                  | 2,500                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 7.25                             | 13.50                        | 16,000                 | 2,800          | 870            | 380                  | 2,700                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 7.75                             | 13.00                        | 9,000                  | 2,000          | 270            | 270                  | 1,400                | ND<100      | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 7.87                             | 12.88                        | 3,800                  | 890            | 130            | 130                  | 550                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 7.29                             | 13.46                        | 940                    | 150            | 82             | 19                   | 130                  | ND<20       | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.30                             | 13.45                        | 6,700                  | 1,100          | 330            | 120                  | 1,100                | ND<100      | NA          | NA                      | NA                    | NA        |
|             | 08/26/96     |                               | 7.57                             | 13.18                        | 14,000                 | 2,400          | 510            | 350                  | 2,100                | ND<100      | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 7.89                             | 12.86                        | 420                    | 55             | 17             | 11                   | 62                   | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 03/24/97     | 22.38                         | 6.90                             | 15.48                        | 6,800                  | 620            | 150            | 81                   | 1,300                | ND<50       | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 7.80                             | 14.58                        | 9,000                  | 1,300          | 240            | 200                  | 1,600                | ND<60       | NA          | NA                      | NA                    | NA        |
|             | 08/19/97     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | DRY                              | DRY                          | 3700 <sup>j</sup>      | 600            | 93             | 120                  | 710                  | ND<60       | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 6.78                             | 15.60                        | 1,800                  | 93             | 51             | 29                   | 420                  | 110         | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.47                             | 15.91                        | 6,500                  | 700            | 110            | 180                  | 1,300                | 93          | NA          | NA                      | NA                    | 0.5       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-4           | 07/27/98        |                                        | 7.22                                   | 15.16                              | 10,000                          | 1,400             | 140               | 290                         | 1,900                      | ND<120         | NA             | NA                               | NA                       | 1.5          |
| cont.          | 10/14/98        |                                        | 7.60                                   | 14.78                              | 6,500                           | 900               | 63                | 200                         | 1,200                      | 63             | NA             | NA                               | NA                       | 1.0          |
|                | 01/21/99        |                                        | 7.43                                   | 14.95                              | 1,700                           | 140               | 22                | 56                          | 320                        | 13             | NA             | NA                               | NA                       | 0.5          |
|                | 05/06/99        |                                        | 6.55                                   | 15.83                              | 3,300                           | 250               | 36                | 73                          | 890                        | 41             | NA             | NA                               | NA                       | 1.28         |
|                | 08/23/99        |                                        | 7.16                                   | 15.22                              | 7,400                           | 500               | 73                | 230                         | 1,700                      | 57             | NA             | NA                               | NA                       | 0.89         |
|                | 10/28/99        |                                        | 8.28                                   | 14.10                              | 370                             | 41                | 5.7               | 14                          | 52                         | 16             | NA             | NA                               | NA                       | 0.92         |
|                | 02/04/00        |                                        | 8.23                                   | 14.15                              | 310                             | 33                | 7.5               | 11                          | 65                         | 8              | NA             | NA                               | NA                       | 2.43         |
|                | 06/20/00        |                                        | 6.46                                   | 15.92                              | 2,700                           | 210               | 20                | 94                          | 520                        | 46             | NA             | NA                               | NA                       | NA           |
|                | 09/29/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/28/01        |                                        | 7.49                                   | 14.89                              | DRY                             | DRY               | DRY               | DRY                         | DRY                        | DRY            | DRY            | DRY                              | DRY                      | DRY          |
|                | 06/20/01        |                                        | 7.21                                   | 15.17                              | 13,000                          | 690               | 170               | 330                         | 1,400                      | 110            | NA             | NA                               | NA                       | NA           |
|                | 09/22/01        |                                        | 7.43                                   | 14.95                              | 6,700                           | 650               | 110               | 410                         | 1,800                      | 100            | NA             | NA                               | NA                       | NA           |
|                | 12/27/01        |                                        | 7.32                                   | 15.06                              | 1,200                           | 47                | 15                | 46                          | 250                        | 15             | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 7.43                                   | 14.95                              | 490                             | 34                | 7.4               | 26                          | 110                        | 12             | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 7                                      | 15.38                              | ND<50                           | 0.57              | 0.83              | ND<0.5                      | 1.1                        | 3.7            | NA             | NA                               | NA                       | NA           |
|                | 07/23/02 NP     |                                        | 7.70                                   | 14.68                              | 820(d)                          | 80                | 12                | 23                          | 190                        | 41             | NA             | NA                               | NA                       | 2.2          |
|                | 10/16/02 NP     |                                        | 7.75                                   | 14.63                              | 2,000(d)                        | 220               | 25                | 140                         | 570                        | ND<25          | NA             | NA                               | NA                       | 1.8          |
|                | 01/23/03(g) NP  |                                        | 7.11                                   | 15.27                              | ND<250                          | ND<2.5            | ND<2.5            | ND<2.5                      | 8.8                        | 5.9            | NA             | NA                               | NA                       | 1.7          |
|                | 04/07/03 NP     |                                        | 7.19                                   | 15.19                              | 310                             | 24                | 2.4               | 15                          | 62                         | 9.2            | NA             | NA                               | NA                       | 1.1          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L)                                    | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|-----------------------------------------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-5        | 06/10/91     | 20.90                         | 7.58                             | 13.32                        | 100,000                                                   | 25,000         | 20,000         | 2,600                | 12,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 10/10/91     |                               | 8.51                             | 12.39                        | Not sampled: well contained floating product sheen        |                |                |                      |                      |             |             |                         |                       |           |
|             | 03/23/92     |                               | 6.06                             | 14.84                        | 150,000                                                   | 24,000         | 31,000         | 4,400                | 23,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/08/92     |                               | 7.66                             | 13.24                        | 120,000                                                   | 17,000         | 13,000         | 2,400                | 11,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 09/15/92     |                               | 8.40                             | 12.50                        | Not sampled: floating product entered well during purging |                |                |                      |                      |             |             |                         |                       |           |
|             | 11/16/92     |                               | 7.70                             | 13.20                        | 110,000                                                   | 16,000         | 16,000         | 3,200                | 18,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 5.64                             | 15.26                        | 150,000                                                   | 12,000         | 15,000         | 3,000                | 17,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 6.68                             | 14.22                        | Not sampled: floating product entered well during purging |                |                |                      |                      |             |             |                         |                       |           |
|             | 08/17/93     |                               | 7.49                             | 13.41                        | 87,000                                                    | 15,000         | 8,500          | 1,900                | 11,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 7.93                             | 12.97                        | 87,000                                                    | 12,000         | 8,300          | 2,000                | 12,000               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 6.49                             | 14.41                        | 46,000                                                    | 7,300          | 5,300          | 940                  | 5,200                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 7.18                             | 13.72                        | 54,000                                                    | 9,700          | 4,700          | 1,000                | 6,400                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 7.83                             | 13.07                        | 57,000                                                    | 14,000         | 3,200          | 1,200                | 7,200                | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 6.34                             | 14.56                        | 33,000                                                    | 5,700          | 1,800          | 720                  | 4,700                | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 5.51                             | 15.39                        | 48,000                                                    | 6,400          | 2,000          | 740                  | 5,100                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 6.55                             | 14.35                        | 76,000                                                    | 11,000         | 5,400          | 1,400                | 7,700                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 6.80                             | 14.10                        | 53,000                                                    | 12,000         | 1,600          | 1,000                | 6,000                | ND<500      | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 7.13                             | 13.77                        | 43,000                                                    | 7,900          | 3,300          | 950                  | 4,900                | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 5.12                             | 15.78                        | 52,000                                                    | 9,100          | 3,300          | 940                  | 5,000                | ND<500      | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 5.87                             | 15.03                        | 55,000                                                    | 9,300          | 3,800          | 1,100                | 5,400                | ND<500      | NA          | NA                      | NA                    | NA        |
|             | 08/26/96     |                               | 7.15                             | 13.75                        | 47,000                                                    | 5,300          | 2,100          | 780                  | 3,200                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 6.88                             | 14.02                        | 53,000                                                    | 8,700          | 5,700          | 920                  | 4,400                | ND<500      | NA          | NA                      | NA                    | NA        |
|             | 03/24/97     | 22.45                         | 7.13                             | 15.32                        | 39,000                                                    | 8,200          | 3,200          | 720                  | 3,100                | ND<500      | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 7.42                             | 15.03                        | 29,000                                                    | 6,600          | 1,700          | 400                  | 1,500                | ND<600      | NA          | NA                      | NA                    | NA        |
|             | 08/19/97     |                               | 7.58                             | 14.87                        | 16,000                                                    | 4,600          | 790            | ND<50                | 1,300                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 7.58                             | 14.87                        | 22,000                                                    | 5,800          | 1,300          | 380                  | 1,300                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 4.65                             | 17.80                        | 40,000                                                    | 5,100          | 3,800          | 620                  | 2,900                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.25                             | 16.20                        | 45,000                                                    | 8,000          | 4,000          | 970                  | 4,200                | ND<600      | NA          | NA                      | NA                    | 1.5       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-5           | 07/27/98        |                                        | 6.71                                   | 15.74                              | 30,000                          | 8,000             | 2,000             | 590                         | 1,900                      | ND<600         | NA             | NA                               | NA                       | 1.5          |
| cont.          | 10/14/98        |                                        | 7.19                                   | 15.26                              | 33,000                          | 7,400             | 1,900             | 550                         | 1,700                      | ND<300         | NA             | NA                               | NA                       | 1.5          |
|                | 01/21/99        |                                        | 7.03                                   | 15.42                              | 34,000                          | 6,200             | 2,600             | 630                         | 2,300                      | ND<600         | NA             | NA                               | NA                       | 2.5          |
|                | 05/06/99        |                                        | 7.02                                   | 15.43                              | 7,900                           | 2,400             | 200               | 240                         | 580                        | 12             | NA             | NA                               | NA                       | 1.07         |
|                | 08/23/99        |                                        | 7.04                                   | 15.41                              | 25,000                          | 5,800             | 2,300             | 570                         | 2,000                      | 67             | NA             | NA                               | NA                       | 1.04         |
|                | 10/28/99        |                                        | 7.90                                   | 14.55                              | 20,000                          | 5,900             | 1,100             | 450                         | 1,100                      | ND<250         | NA             | NA                               | NA                       | 0.87         |
|                | 02/04/00        |                                        | 6.71                                   | 15.74                              | 32,000                          | 2,500             | 3,800             | 770                         | 4,200                      | ND<75          | NA             | NA                               | NA                       | 2.33         |
|                | 06/20/00        |                                        | 6.78                                   | 15.67                              | 10,000                          | 3,000             | 650               | 260                         | 700                        | ND<200         | NA             | NA                               | NA                       | NA           |
|                | 09/29/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/28/01        |                                        | 6.48                                   | 15.97                              | 23,400                          | 4,160             | 3,450             | 728                         | 3,090                      | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | 7.26                                   | 15.19                              | 120,000                         | 1,200             | 49                | 190                         | 540                        | ND<100         | NA             | NA                               | NA                       | NA           |
|                | 09/22/01        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NA                       | NA           |
|                | 12/27/01        |                                        | 6.56                                   | 15.89                              | 16,000                          | 1,500             | 2,700             | 730                         | 3,200                      | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 6.9                                    | 15.55                              | 20,000                          | 2,600             | 3,300             | 1,000                       | 4,000                      | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 6.17                                   | 16.28                              | 17,000                          | 3,200             | 2,900             | 790                         | 3,000                      | ND<250         | NA             | NA                               | NA                       | NA           |
|                | 07/23/02        | NP                                     | 7.36                                   | 15.09                              | 4,600(d)                        | 1,400             | 30                | 160                         | 470                        | 110            | NA             | NA                               | NA                       | 1.7          |
|                | 10/16/02        | NP                                     | 7.66                                   | 14.79                              | 5,400(d)                        | 1,300             | ND<20             | 62                          | 150                        | ND<100         | NA             | NA                               | NA                       | 1.1          |
|                | 01/23/03(g)     | NP                                     | 6.28                                   | 16.17                              | ND<5,000                        | 110               | ND<50             | ND<50                       | 98                         | ND<50          | NA             | NA                               | NA                       | 1.1          |
|                | 04/07/03        | NP                                     | 7.21                                   | 15.24                              | 1,600                           | 310               | 18                | 36                          | 62                         | 32             | NA             | NA                               | NA                       | 1.5          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-6        | 06/10/91     | 22.08                         | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 10/10/91     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/23/92     |                               | 7.45                             | 14.63                        | 75,000                 | 19,000         | 10,000         | 1,600                | 8,600                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/08/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/15/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/16/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/16/93     |                               | 6.79                             | 15.29                        | 65,000                 | 14,000         | 3,500          | 1,300                | 6,100                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 7.73                             | 14.35                        | 36,000                 | 8,200          | 870            | 1,000                | 5,200                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NA                      | NS                    | NA        |
|             | 11/08/93     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NA                      | NS                    | NA        |
|             | 02/14/94     |                               | 7.78                             | 14.30                        | 47,000                 | 14,000         | 390            | 1,000                | 5,100                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 8.24                             | 13.84                        | 45,000                 | 14,000         | ND<200*        | 1,300                | 4,500                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NA                      | NS                    | NA        |
|             | 11/20/94     |                               | 7.41                             | 14.67                        | 30,000                 | 11,000         | ND<100*        | 1,200                | 2,300                | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.66                             | 15.42                        | 45,000                 | 9,300          | ND<100*        | 1,900                | 3,600                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 7.60                             | 14.48                        | 23,000                 | 5,600          | ND<50          | 1,300                | 1,900                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 7.92                             | 14.16                        | 26,000                 | 8,000          | ND<100         | 1,900                | 900                  | ND<500      | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 8.21                             | 13.87                        | 6,700                  | 1,800          | ND<20          | 480                  | 230                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 6.21                             | 15.87                        | 17,000                 | 3,100          | 69             | 810                  | 1,500                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.07                             | 15.01                        | 16,000                 | 3,700          | ND<50          | 1,100                | 1,100                | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 08/26/96     |                               | 7.93                             | 14.15                        | 23,000                 | 5,800          | ND<50          | 2,000                | 560                  | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 8.02                             | 14.06                        | 11,000                 | 3,300          | ND<50(j)       | 480                  | 370                  | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 03/24/97     | 22.77                         | 7.95                             | 14.82                        | 9,700                  | 1,900          | ND<20          | 800                  | 270                  | ND<100      | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.17                             | 14.60                        | 16,000                 | 4,300          | ND<50          | 1,400                | 180                  | ND<300      | NA          | NA                      | NA                    | NA        |
|             | 08/19/97     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 5.78                             | 16.99                        | 2,600                  | 540            | 8              | 90                   | 88                   | ND<30       | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.83                             | 15.94                        | 7,600                  | 1,300          | 13             | 520                  | 190                  | ND<60       | NA          | NA                      | NA                    | 0.5       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-6           | 07/27/98        |                                        | 7.80                                   | 14.97                              | 15,000                          | 3,600             | ND<25             | 1,100                       | 230                        | ND<150         | NA             | NA                               | NA                       | 1.0          |
| cont.          | 10/14/98        |                                        | 8.31                                   | 14.46                              | 8,700                           | 2,400             | ND<20             | 220                         | 36                         | ND<120         | NA             | NA                               | NA                       | 2.0          |
|                | 01/21/99        |                                        | 7.90                                   | 14.87                              | 4,800                           | 1,100             | ND<25             | 340                         | 79                         | ND<150         | NA             | NA                               | NA                       | 2.0          |
|                | 05/06/99        |                                        | 7.70                                   | 15.07                              | 1,300                           | 240               | 2.3               | 85                          | 19                         | 5              | NA             | NA                               | NA                       | 1.18         |
|                | 08/23/99        |                                        | 8.24                                   | 14.53                              | 4,200                           | 970               | 12                | 110                         | 29                         | ND<15          | NA             | NA                               | NA                       | 0.9          |
|                | 10/28/99        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NS           |
|                | 02/04/00        |                                        | 7.31                                   | 15.46                              | 110                             | ND<0.5            | 0.6               | 1.5                         | 1.9                        | 11             | NA             | NA                               | NA                       | 1.1          |
|                | 06/20/00        | 22.77                                  | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/29/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/28/01        |                                        | 7.57                                   | 15.20                              | DRY                             | DRY               | DRY               | DRY                         | DRY                        | DRY            | NS             | NS                               | NA                       | NA           |
|                | 06/20/01        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/22/01        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NA                       | NA           |
|                | 12/27/01        |                                        | 7.21                                   | 15.56                              | ND<50                           | 3                 | 1                 | 1.1                         | 2                          | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 7.51                                   | 15.26                              | 2,100                           | 380               | 8.6               | 110                         | 17                         | ND<25          | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 6.89                                   | 15.88                              | 2,200                           | 440               | 12                | 96                          | 14                         | 52             | NA             | NA                               | NA                       | NA           |
|                | 07/23/02 NP     |                                        | 8.50                                   | 14.27                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 10/16/02        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/23/03(g) NP  |                                        | 8.05                                   | 14.72                              | ND<5,000                        | ND<50             | ND<50             | ND<50                       | ND<50                      | ND<50          | NA             | NA                               | NA                       | 2.1          |
|                | 01/23/03(g,h)   |                                        |                                        |                                    | ND<250                          | 58                | ND<2.5            | 6.2                         | 3.8                        | 17             | NA             | NA                               | NA                       | 2.1          |
|                | 04/07/03 NP     |                                        | 8.11                                   | 14.66                              | 330                             | 13                | ND<0.50           | 2.7                         | 8.6                        | 15             | NA             | NA                               | NA                       | 2.2          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-7        | 06/10/91     | 22.89                         | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 10/10/91     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/23/92     |                               | 8.20                             | 14.69                        | 270                    | 10             | 0.5            | 3                    | 13                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/08/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/15/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/16/92     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/16/93     |                               | 7.84                             | 15.05                        | 120                    | 3.6            | ND<0.5         | ND<0.5               | 1.2                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 8.56                             | 14.33                        | ND<50                  | 0.8            | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/08/93     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/14/94     |                               | 8.80                             | 14.09                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 9.11                             | 13.78                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/94     |                               | 8.72                             | 14.17                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 7.68                             | 15.21                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 8.40                             | 14.49                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 9.09                             | 13.80                        | ND<50                  | ND<0.5         | ND<0.5         | 0.6                  | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 9.15                             | 13.74                        | ND<50                  | ND<0.5         | ND<0.5         | 0.9                  | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 7.44                             | 15.45                        | 110                    | 1.4            | ND<0.5         | 3.8                  | 3.0                  | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 8.47                             | 14.42                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 8.81                             | 14.08                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/96     |                               | 9.17                             | 13.72                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     |                               | 8.31                             | 14.58                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 9.26                             | 13.63                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | DRY                              | DRY                          | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 6.13                             | 16.76                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 7.44                             | 15.45                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<3        | NA          | NA                      | NA                    | 0.5       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-7           | 07/27/98        |                                        | 8.75                                   | 14.14                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<3           | NA             | NA                               | NA                       | 1.5          |
| cont.          | 10/14/98        |                                        | 9.22                                   | 13.67                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<3           | NA             | NA                               | NA                       | 1.5          |
|                | 01/21/99        |                                        | 9.07                                   | 13.82                              | 52                              | ND<0.5            | ND<0.5            | ND<0.5                      | 0.27                       | ND<3           | NA             | NA                               | NA                       | 3            |
|                | 05/06/99        |                                        | 8.32                                   | 14.57                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<3           | NA             | NA                               | NA                       | 0.83         |
|                | 08/23/99        |                                        | 9.25                                   | 13.64                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<3           | NA             | NA                               | NA                       | 1.42         |
|                | 10/28/99        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NS           |
|                | 02/04/00        |                                        | 8.79                                   | 14.10                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<1                       | ND<3           | NA             | NA                               | NA                       | 4.46         |
|                | 06/20/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/29/00        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | 8.93                                   | 13.96                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 03/28/01        |                                        | 8.35                                   | 14.54                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | DRY                                    | DRY                                | DRY                             | DRY               | DRY               | DRY                         | DRY                        | DRY            | DRY            | DRY                              | DRY                      | NA           |
|                | 09/22/01        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NA                       | NA           |
|                | 12/27/01        |                                        | 8.42                                   | 14.47                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 8.54                                   | 14.35                              | ND<50                           | 1.3               | 2.6               | 1.1                         | 5.4                        | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 7.84                                   | 15.05                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | 3.32         |
|                | 07/23/02 NP     |                                        | 9.51                                   | 13.38                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 10/16/02        |                                        | DRY                                    | DRY                                | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/23/03(g) NP  |                                        | 8.04                                   | 14.85                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<0.50        | NA             | NA                               | NA                       | 5.4          |
|                | 04/07/03 NP     |                                        | 8.39                                   | 14.50                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<0.50        | NA             | NA                               | NA                       | 5.1          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-8        | 06/10/91     | 20.97                         | 7.80                             | 13.17                        | 5,800                  | 73             | 7.2            | 150                  | 21                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 10/10/91     |                               | 8.87                             | 12.10                        | 2,800                  | 31             | 6.1            | 4.5                  | 3.9                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/23/92     |                               | 5.81                             | 15.16                        | 8,000                  | 18             | ND<5*          | 320                  | 42                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/08/92     |                               | 8.01                             | 12.96                        | 4,000                  | ND<10*         | ND<10*         | 110                  | ND<10*               | NA          | NA          | NA                      | NA                    | NA        |
|             | 09/15/92     |                               | 8.80                             | 12.17                        | 4,200                  | 6.4            | ND<5*          | 120                  | ND<5*                | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/16/92     |                               | 8.19                             | 12.78                        | 2,600                  | 4              | ND<2.5*        | 21                   | 5.2                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 5.84                             | 15.13                        | 8,700                  | ND<5*          | ND<5*          | 200                  | ND<5*                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 6.93                             | 14.04                        | 2,300                  | ND<5*          | ND<5*          | 42                   | ND<5*                | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 7.87                             | 13.10                        | 1,700                  | 1.8            | ND<1.3*        | 16                   | 1.2                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 8.31                             | 12.66                        | 1,200                  | 2.4            | ND<1*          | 19                   | 2.3                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 7.00                             | 13.97                        | 3,600                  | 3              | ND<1*          | 72                   | ND<1*                | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 7.46                             | 13.51                        | 2,100                  | ND<2.5*        | ND<2.5*        | 8.3                  | ND<2.5*              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 8.17                             | 12.80                        | 1,200                  | 1.5            | ND<1*          | 6.7                  | ND<1*                | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 6.78                             | 14.19                        | 2,300                  | 1.2            | 1.1            | 20                   | 2.2                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.14                             | 14.83                        | 5,400                  | ND<5*          | ND<5*          | 35                   | ND<5*                | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 6.50                             | 14.47                        | 2,600                  | ND<2.5         | ND<2.5         | 15                   | ND<2.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 7.35                             | 13.62                        | 1,400                  | ND<3           | ND<3           | 5                    | ND<3                 | 520         | 900         | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 7.60                             | 13.37                        | 620                    | ND<0.5         | ND<0.5         | ND<0.5               | 0.5                  | 560         | 900         | 510(j)                  | NA                    | NA        |
|             | 02/22/96     |                               | 5.35                             | 15.62                        | 5,800                  | ND<5           | ND<5           | 28                   | ND<5                 | 110         | 1,900       | 6,800(j)                | NA                    | NA        |
|             | 05/20/96     |                               | 5.92                             | 15.05                        | 6,100                  | ND<5           | ND<5           | 26                   | ND<5                 | 240         | NA          | NA                      | NA                    | NA        |
|             | 08/26/96     |                               | 7.08                             | 13.89                        | 970                    | ND<1           | ND<1           | 3                    | ND<1                 | 710         | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 7.01                             | 13.96                        | 3,900                  | ND<2.5         | ND<2.5         | 12                   | ND<2.5               | 930         | NA          | NA                      | NA                    | NA        |
|             | 03/24/97     | 20.89                         | 7.33                             | 13.56                        | 1,400                  | ND<10          | ND<10          | ND<10                | 12                   | 1,300       | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 7.55                             | 13.34                        | 730                    | ND<5           | ND<5           | ND<5                 | ND<5                 | 630         | NA          | NA                      | NA                    | NA        |
|             | 08/19/97     |                               | 7.87                             | 13.02                        | ND<500                 | ND<5           | ND<5           | ND<5                 | ND<5                 | 290         | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 7.87                             | 13.02                        | ND<200                 | ND<2           | ND<2           | ND<2                 | ND<2                 | 260         | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 4.46                             | 16.43                        | 2,000                  | ND<2           | ND<2           | 9                    | ND<2                 | 140         | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.35                             | 14.54                        | 4,500                  | ND<5           | ND<5           | ND<5                 | 11                   | 590         | NA          | NA                      | NA                    | 0.5       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled   | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|----------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-8        | 07/27/98       |                               | 7.43                             | 13.46                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NS        |
| cont.       | 10/14/98       |                               | 7.79                             | 13.10                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NS        |
|             | 01/21/99       |                               | 6.54                             | 14.35                        | 2,000                  | ND<2           | ND<2           | 3                    | ND<2                 | 320         | NA          | NA                      | NA                    | 2.5       |
|             | 05/06/99       |                               | 7.30                             | 13.59                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | 160         | NA          | NA                      | NA                    | 12.76     |
|             | 08/23/99       |                               | 7.45                             | 13.44                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | 5           | NA          | NA                      | NA                    | 7.85      |
|             | 10/28/99       |                               | 8.22                             | 12.67                        | 160                    | ND<0.5         | ND<0.5         | ND<0.5               | ND<1                 | 45          | NA          | NA                      | NA                    | 0.84      |
|             | 02/04/00       |                               | 8.47                             | 12.42                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<1                 | ND<3        | NA          | NA                      | NA                    | 1.92      |
|             | 06/20/00       |                               | 7.23                             | 13.66                        | 150                    | ND<0.5         | 0.9            | ND<0.5               | ND<1.0               | 310         | NA          | NA                      | NA                    | NA        |
|             | 09/29/00       |                               | 7.91                             | 12.98                        | 149                    | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | 438         | NA          | NA                      | NA                    | NA        |
|             | 12/17/00       |                               | 7.11                             | 13.78                        | 662                    | ND<5.0         | ND<5.0         | ND<5.0               | ND<5.0               | 273         | NA          | NA                      | NA                    | NA        |
|             | 03/28/01       |                               | 6.88                             | 14.01                        | 840                    | ND<5.0         | ND<5.0         | ND<5.0               | ND<5.0               | 320         | NA          | NA                      | NA                    | NA        |
|             | 06/20/01       |                               | 7.25                             | 13.64                        | 230                    | ND<0.5         | ND<0.5         | ND<0.5               | 0.65                 | 330         | NA          | NA                      | NA                    | NA        |
|             | 09/22/01       |                               | 8.14                             | 12.75                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | 6.5         | NA          | NA                      | NA                    | NA        |
|             | 12/27/01       |                               | 6.73                             | 14.16                        | 780                    | ND<0.5         | ND<0.5         | 0.6                  | 0.89                 | 160         | NA          | NA                      | NA                    | NA        |
|             | 03/15/02       |                               | 6.94                             | 13.95                        | 1,100                  | ND<10          | ND<10          | ND<10                | ND<10                | 830         | NA          | NA                      | NA                    | NA        |
|             | 04/18/02       |                               | NM                               | NM                           | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/23/02 NP    |                               | 7.89                             | 13.00                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | 8.7         | NA          | NA                      | NA                    | 4.5       |
|             | 10/16/02 NP    |                               | 8.13                             | 12.76                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<2.5      | NA          | NA                      | NA                    | 4.2       |
|             | 01/23/03(g) NP |                               | 6.47                             | 14.42                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | 2.6         | NA          | NA                      | NA                    | 4.0       |
|             | 04/07/03 NP    |                               | 7.49                             | 13.40                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | 19          | NA          | NA                      | NA                    | 4.7       |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-9        | 06/11/93     | 20.89                         | 8.15                             | 12.74                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 8.53                             | 12.36                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 8.87                             | 12.02                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 7.47                             | 13.42                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 8.04                             | 12.85                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 8.78                             | 12.11                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 6.83                             | 14.06                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.94                             | 13.95                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 8.15                             | 12.74                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 8.10                             | 12.79                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 8.38                             | 12.51                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 7.36                             | 13.53                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.81                             | 13.08                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 8.00                             | 12.89                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 7.06                             | 13.83                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 22.26                         | 7.74                             | 14.52                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.28                             | 13.98                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 8.32                             | 13.94                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 8.32                             | 13.94                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 7.11                             | 15.15                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 8.18                             | 14.08                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/27/98     |                               | 7.97                             | 14.29                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 3.6       |
|             | 10/14/98     |                               | 8.29                             | 13.97                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 2.5       |
|             | 01/21/99     |                               | 7.63                             | 14.63                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 1.5       |
|             | 05/06/99     |                               | 7.27                             | 14.99                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NS        |
|             | 08/23/99     |                               | 8.24                             | 14.02                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 1.93      |
|             | 10/28/99     |                               | 8.63                             | 13.63                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NS        |
|             | 02/04/00     |                               | 8.01                             | 14.25                        | ND<50                  | ND<0.50        | 1.6            | ND<0.50              | ND<1                 | ND<3        | NA          | NA                      | NA                    | 1.47      |
|             | 06/20/00     |                               | 8.01                             | 14.25                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/29/00     |                               | 8.44                             | 13.82                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | 3.44        | NA          | NA                      | NA                    | NA        |
|             | 12/17/00     |                               | 7.84                             | 14.42                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-9           | 03/28/01        |                                        | 7.58                                   | 14.68                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
| cont.          | 06/20/01        |                                        | 7.75                                   | 14.51                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/22/01        |                                        | 8.69                                   | 13.57                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | 7.8            | NA             | NA                               | NA                       | NA           |
|                | 12/27/01        |                                        | 7.15                                   | 15.11                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/15/02        |                                        | 7.23                                   | 15.03                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 6.79                                   | 15.47                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 07/23/02        | P                                      | 8.3                                    | 13.96                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<2.5         | NA             | NA                               | NA                       | 1.4          |
|                | 10/16/02        |                                        | 8.64                                   | 13.62                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/23/03(g)     | P                                      | 7.35                                   | 14.91                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | 2.2            | NA             | NA                               | NA                       | 3.0          |
|                | 04/07/03        |                                        | 7.81                                   | 14.45                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-10       | 06/11/93     | 21.12                         | 8.14                             | 12.98                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 8.54                             | 12.58                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 8.70                             | 12.42                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 7.13                             | 13.99                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 8.08                             | 13.04                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 8.84                             | 12.28                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 7.05                             | 14.07                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.26                             | 14.86                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 7.63                             | 13.49                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 8.17                             | 12.95                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 8.38                             | 12.74                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 5.41                             | 15.71                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 6.78                             | 14.34                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 8.00                             | 13.12                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 7.81                             | 13.31                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 21.33                         | 7.87                             | 13.46                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.33                             | 13.00                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 8.39                             | 12.94                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 8.39                             | 12.94                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 4.65                             | 16.68                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.28                             | 15.05                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 0.5       |
|             | 07/27/98     |                               | 7.97                             | 13.36                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 3.3       |
|             | 10/14/98     |                               | 8.41                             | 12.92                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 1.0       |
|             | 01/21/99     |                               | 6.65                             | 14.68                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 0.5       |
|             | 05/06/99     |                               | 7.74                             | 13.59                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 0.76      |
|             | 08/23/99     |                               | 8.37                             | 12.96                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 1.21      |
|             | 10/28/99     |                               | 8.73                             | 12.60                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 1.12      |
|             | 02/04/00     |                               | 8.78                             | 12.55                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<3        | NA          | NA                      | NA                    | 2.84      |
|             | 06/20/00     |                               | 7.99                             | 13.34                        | ND<0.5                 | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<3.0      | NA          | NA                      | NA                    | NA        |
|             | 09/29/00     |                               | 8.40                             | 12.93                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<2.5      | NA          | NA                      | NA                    | NA        |
|             | 12/17/00     |                               | 7.91                             | 13.42                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<2.5      | NA          | NA                      | NA                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-10          | 03/28/01        |                                        | 7.47                                   | 13.86                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
| cont.          | 06/20/01        |                                        | 8.11                                   | 13.22                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 09/22/01        |                                        | 8.77                                   | 12.56                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 12/27/01        |                                        | 6.94                                   | 14.39                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 7.48                                   | 13.85                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 6.77                                   | 14.56                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | 3.8            | NA             | NA                               | NA                       | 1.22         |
|                | 07/23/02        | NP                                     | 8.42                                   | 12.91                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<2.5         | NA             | NA                               | NA                       | 1.0          |
|                | 10/16/02        | NP                                     | 8.77                                   | 12.56                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<2.5         | NA             | NA                               | NA                       | 1.0          |
|                | 01/23/03(g)     | NP                                     | 7.12                                   | 14.21                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | 1.4            | NA             | NA                               | NA                       | 1.3          |
|                | 04/07/03        | NP                                     | 7.73                                   | 13.60                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | 1.6            | NA             | NA                               | NA                       | 1.3          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-11       | 11/16/92     | 22.38                         | 9.02                             | 13.36                        | 7,000                  | 21             | ND<10*         | 18                   | 230                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 7.11                             | 15.27                        | 2,200                  | ND<10*         | ND<10*         | 11                   | ND<10*               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 8.04                             | 14.34                        | 1,600                  | ND<2.5*        | ND<2.5*        | 41                   | 6.8                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 8.78                             | 13.60                        | 830                    | 1.4            | ND<1.0*        | 25                   | 15                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 9.23                             | 13.15                        | 370                    | ND<1.0*        | ND<1.0*        | 2.5                  | 2.1                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 7.94                             | 14.44                        | 650                    | ND<1*          | ND<1.0*        | 2                    | 4                    | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 8.55                             | 13.83                        | 210                    | ND<0.5         | ND<0.5         | 2.5                  | 0.6                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 9.13                             | 13.25                        | 390                    | ND<0.5         | ND<0.7*        | 1.9                  | 2.2                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 7.73                             | 14.65                        | 1,300                  | 1.3            | 0.5            | 1.5                  | 21                   | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.94                             | 15.44                        | 100                    | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 7.90                             | 14.48                        | 210                    | ND<0.5         | ND<0.5         | 0.9                  | 0.7                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/31/95     |                               | 8.18                             | 14.20                        | 680                    | ND<0.5         | ND<0.5         | 4                    | 1.8                  | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 8.48                             | 13.90                        | 340                    | ND<0.5         | ND<0.5         | 2.2                  | 1.6                  | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/22/96     |                               | 6.63                             | 15.75                        | 150                    | ND<0.5         | ND<0.5         | ND<0.8               | ND<0.8               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.25                             | 15.13                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 8.22                             | 14.16                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/96     |                               | 8.37                             | 14.01                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 20.97                         | 8.15                             | 12.82                        | 63                     | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.48                             | 12.49                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 8.67                             | 12.30                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | 8.67                             | 12.30                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 6.25                             | 14.72                        | ND<50                  | ND<0.5         | 1.6            | ND<0.5               | 1.8                  | 7           | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 7.23                             | 13.74                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/27/98     |                               | 8.05                             | 12.92                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 10/14/98     |                               | 8.58                             | 12.39                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 01/21/99     |                               | 8.25                             | 12.72                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | ND<3        | NA          | NA                      | NA                    | 0.5       |
|             | 05/06/99     |                               | 7.95                             | 13.02                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/23/99     |                               | 8.51                             | 12.46                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | 0.86      |
|             | 10/28/99     |                               | 8.95                             | 12.02                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled  | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|---------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-11       | 02/04/00      |                               | 7.88                             | 13.09                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<1                 | ND<3        | NA          | NA                      | NA                    | 3.29      |
| cont.       | 06/20/00      |                               | 8.18                             | 12.79                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/29/00      |                               | 8.60                             | 12.37                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 12/17/00      |                               | 8.48                             | 12.49                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/28/01      |                               | 7.88                             | 13.09                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | ND<2.5      | NA          | NA                      | NA                    | NA        |
|             | 06/20/01      |                               | 8.48                             | 12.49                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/22/01      |                               | 9.11                             | 11.86                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 12/27/01      |                               | 7.50                             | 13.47                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/15/02      |                               | 7.87                             | 13.10                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<2.5      | NA          | NA                      | NA                    | NA        |
|             | 04/18/02      |                               | 7.22                             | 13.75                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/23/02      |                               | 8.76                             | 12.21                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 10/16/02      |                               | 9.15                             | 11.82                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 01/23/03(g) P |                               | 7.61                             | 13.36                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<0.50     | NA          | NA                      | NA                    | 2.4       |
|             | 04/07/03      |                               | 8.25                             | 12.72                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-12       | 11/16/92     | 22.77                         | 9.65                             | 13.12                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 7.88                             | 14.89                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 8.63                             | 14.14                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 9.30                             | 13.47                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 9.72                             | 13.05                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 8.24                             | 14.53                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 8.97                             | 13.80                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 9.57                             | 13.20                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 8.06                             | 14.71                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 7.09                             | 15.68                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 8.40                             | 14.37                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/31/95     |                               | 8.55                             | 14.22                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 8.95                             | 13.82                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/22/96     |                               | 6.81                             | 15.96                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.56                             | 15.21                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 8.63                             | 14.14                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/96     |                               | 8.38                             | 14.39                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 20.11                         | 8.75                             | 11.36                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.92                             | 11.19                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 9.20                             | 10.91                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | 9.20                             | 10.91                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 6.28                             | 13.83                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 7.52                             | 12.59                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/27/98     |                               | 8.52                             | 11.59                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 10/14/98     |                               | 9.06                             | 11.05                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 01/21/99     |                               | 8.20                             | 11.91                        | ND<50                  | ND<0.5         | ND<0.5         | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | 1.5       |
|             | 05/06/99     |                               | 8.47                             | 11.64                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/23/99     |                               | 9.04                             | 11.07                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | 0.85      |
|             | 10/28/99     |                               | 9.40                             | 10.71                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-12          | 02/04/00        |                                        | 8.38                                   | 11.73                              | ND<50                           | ND<0.5            | ND<0.5            | ND< 0.5                     | ND<1                       | ND<3           | NA             | NA                               | NA                       | 3.34         |
| cont.          | 06/20/00        |                                        | 8.55                                   | 11.56                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/29/00        |                                        | 8.98                                   | 11.13                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | 8.76                                   | 11.35                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/28/01        |                                        | 8.31                                   | 11.80                              | ND<50                           | ND<0.5            | ND<0.5            | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | 9.10                                   | 11.01                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/22/01        |                                        | 9.48                                   | 10.63                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/27/01        |                                        | 7.78                                   | 12.33                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/15/02        |                                        | 8.22                                   | 11.89                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 7.65                                   | 12.46                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 07/23/02        |                                        | 9.18                                   | 10.93                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 10/16/02        |                                        | 9.51                                   | 10.60                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/23/03(g)     |                                        | 7.86                                   | 12.25                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 04/07/03        |                                        | 8.58                                   | 11.53                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-13       | 11/16/92     | 22.45                         | 9.02                             | 13.43                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 7.14                             | 15.31                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 7.95                             | 14.50                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 8.57                             | 13.88                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 8.86                             | 13.59                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 7.78                             | 14.67                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 8.38                             | 14.07                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 8.78                             | 13.67                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 7.68                             | 14.77                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 6.91                             | 15.54                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 7.72                             | 14.73                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/31/95     |                               | 7.58                             | 14.87                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/27/95     |                               | 7.98                             | 14.47                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/22/96     |                               | 6.71                             | 15.74                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 6.98                             | 15.47                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 7.85                             | 14.60                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/96     |                               | 7.76                             | 14.69                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 20.75                         | 7.85                             | 12.90                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 8.16                             | 12.59                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 8.40                             | 12.35                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | 8.40                             | 12.35                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 6.44                             | 14.31                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 6.80                             | 13.95                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/27/98     |                               | 7.52                             | 13.23                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | 1.5       |
|             | 10/14/98     |                               | 8.15                             | 12.60                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | 2.0       |
|             | 01/21/99     |                               | 7.85                             | 12.90                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | 1.5       |
|             | 05/06/99     |                               | 7.82                             | 12.93                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/23/99     |                               | 8.29                             | 12.46                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | 0.94      |
|             | 10/28/99     |                               | 8.55                             | 12.20                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-13          | 02/04/00        |                                        | 8.11                                   | 12.64                              | ND<50                           | ND< 0.5           | 0.6               | ND< 0.5                     | ND<1                       | ND<3           | NA             | NA                               | NA                       | 1.27         |
| cont.          | 06/20/00        |                                        | 7.56                                   | 13.19                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/29/00        |                                        | 8.27                                   | 12.48                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/17/00        |                                        | 8.09                                   | 12.66                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/28/01        |                                        | 7.69                                   | 13.06                              | ND<50                           | ND<0.5            | ND<0.5            | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | 8.46                                   | 12.29                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 09/22/01        |                                        | 8.57                                   | 12.18                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 12/27/01        |                                        | 7.14                                   | 13.61                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 03/15/02        |                                        | 7.62                                   | 13.13                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 6.91                                   | 13.84                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 07/23/02        |                                        | 8.50                                   | 12.25                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 10/16/02        |                                        | 8.74                                   | 12.01                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |
|                | 01/23/03(g) P   |                                        | 7.35                                   | 13.40                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<0.50        | NA             | NA                               | NA                       | 3.4          |
|                | 04/07/03        |                                        | 7.99                                   | 12.76                              | NS                              | NS                | NS                | NS                          | NS                         | NS             | NS             | NS                               | NS                       | NA           |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-14       | 09/15/92     | 22.99                         | 10.66                            | 12.33                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/16/92     |                               | 10.33                            | 12.66                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/16/93     |                               | 8.18                             | 14.81                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/13/93     |                               | 9.05                             | 13.94                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 22.99                            | 0.00                         | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 10.25                            | 12.74                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 8.80                             | 14.19                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 9.49                             | 13.50                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 10.11                            | 12.88                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 8.66                             | 14.33                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 8.17                             | 14.82                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 8.57                             | 14.42                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/31/95     |                               | 9.05                             | 13.94                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/27/95     |                               | 9.19                             | 13.80                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/22/96     |                               | 6.52                             | 16.47                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 7.88                             | 15.11                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 8.83                             | 14.16                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/20/96     |                               | 8.95                             | 14.04                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 20.90                         | 8.98                             | 11.92                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 9.61                             | 11.29                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 9.80                             | 11.10                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 11/19/97     |                               | 9.80                             | 11.10                        | ND<50                  | 1.7            | ND< 0.5        | 0.6                  | 3                    | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 02/19/98     |                               | 6.27                             | 14.63                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 7.75                             | 13.15                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | 0.5       |
|             | 07/27/98     |                               | 9.24                             | 11.66                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | 1         |
|             | 10/14/98     |                               | 9.73                             | 11.17                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | 1         |
|             | 01/21/99     |                               | 8.90                             | 12.00                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | 1.5       |
|             | 05/06/99     |                               | 8.98                             | 11.92                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | 0.73      |
|             | 08/23/99     |                               | 9.68                             | 11.22                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND< 0.5              | ND<3        | NA          | NA                      | NA                    | 0.91      |
|             | 10/28/99     |                               | 10.00                            | 10.90                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<1                 | ND<10       | NA          | NA                      | NA                    | 1.06      |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well<br>Number | Date<br>Sampled | Top of<br>Riser<br>Elevation<br>(feet) | Depth to<br>Groundwater<br>(feet, TOC) | Groundwater<br>Elevation<br>(feet) | TPH<br>as<br>Gasoline<br>(µg/L) | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethyl-<br>benzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | MTBE<br>(µg/L) | TRPH<br>(µg/L) | TPHD<br>LUFT<br>Method<br>(µg/L) | Semi Volatiles<br>(µg/L) | DO<br>(mg/L) |
|----------------|-----------------|----------------------------------------|----------------------------------------|------------------------------------|---------------------------------|-------------------|-------------------|-----------------------------|----------------------------|----------------|----------------|----------------------------------|--------------------------|--------------|
| MW-14          | 02/04/00        |                                        | 8.19                                   | 12.71                              | ND<50                           | ND< 0.5           | 0.5               | ND< 0.5                     | ND<1                       | ND<3           | NA             | NA                               | NA                       | 1.21         |
| cont.          | 06/20/00        |                                        | 9.16                                   | 11.74                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<1.0                     | ND<10          | NA             | NA                               | NA                       | NA           |
|                | 09/29/00        |                                        | 9.48                                   | 11.42                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.50        | NA             | NA                               | NA                       | NA           |
|                | 12/17/00        |                                        | 9.24                                   | 11.66                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 03/28/01        |                                        | 8.91                                   | 11.99                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 06/20/01        |                                        | 9.7                                    | 11.20                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | 3.1            | NA             | NA                               | NA                       | NA           |
|                | 09/22/01        |                                        | 10.04                                  | 10.86                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 12/27/01        |                                        | 8.33                                   | 12.57                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 03/15/02        |                                        | 8.75                                   | 12.15                              | ND<50                           | ND< 0.5           | ND< 0.5           | ND< 0.5                     | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 04/18/02        |                                        | 8.21                                   | 12.69                              | ND<50                           | ND<0.5            | ND<0.5            | ND<0.5                      | ND<0.5                     | ND<2.5         | NA             | NA                               | NA                       | NA           |
|                | 07/23/02        | NP                                     | 9.76                                   | 11.14                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<2.5         | NA             | NA                               | NA                       | 1.4          |
|                | 10/16/02        | NP                                     | 10.10                                  | 10.80                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<2.5         | NA             | NA                               | NA                       | 1.1          |
|                | 01/23/03(g)     | NP                                     | 8.41                                   | 12.49                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<0.50        | NA             | NA                               | NA                       | 1.3          |
|                | 04/07/03        | NP                                     | 9.09                                   | 11.81                              | ND<50                           | ND<0.50           | ND<0.50           | ND<0.50                     | ND<0.50                    | ND<0.50        | NA             | NA                               | NA                       | 1.4          |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-15       | 05/13/93     | 19.19                         | 5.91                             | 13.28                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/17/93     |                               | 6.54                             | 12.65                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/08/93     |                               | 6.98                             | 12.21                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 02/14/94     |                               | 5.44                             | 13.75                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 05/05/94     |                               | 6.18                             | 13.01                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 08/04/94     |                               | 6.84                             | 12.35                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 11/20/94     |                               | 5.31                             | 13.88                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 03/17/95     |                               | 5.21                             | 13.98                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | NA          | NA          | NA                      | NA                    | NA        |
|             | 06/01/95     |                               | 5.84                             | 13.35                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/31/95     |                               | 6.18                             | 13.01                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<3        | NA          | NA                      | NA                    | NA        |
|             | 11/27/95     |                               | 6.42                             | 12.77                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/22/96     |                               | 4.84                             | 14.35                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 12          | NA          | NA                      | NA                    | NA        |
|             | 05/20/96     |                               | 5.31                             | 13.88                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/26/96     |                               | 6.05                             | 13.14                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 8           | NA          | NA                      | NA                    | NA        |
|             | 11/20/96     |                               | 5.46                             | 13.73                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/24/97     | 22.08                         | 6.00                             | 16.08                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 15          | NA          | NA                      | NA                    | NA        |
|             | 05/23/97     |                               | 6.25                             | 15.83                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/19/97     |                               | 6.34                             | 15.74                        | 99(j)                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | 0.7                  | 6           | NA          | NA                      | NA                    | NA        |
|             | 11/19/97     |                               | 6.34                             | 15.74                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/19/98     |                               | 4.66                             | 17.42                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 48          | NA          | NA                      | NA                    | NA        |
|             | 04/23/98     |                               | 5.18                             | 16.90                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/27/98     |                               | 6.02                             | 16.06                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 50          | NA          | NA                      | NA                    | 1.0       |
|             | 10/14/98     |                               | 6.26                             | 15.82                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 27          | NA          | NA                      | NA                    | 1.5       |
|             | 01/21/99     |                               | 5.33                             | 16.75                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 6           | NA          | NA                      | NA                    | 1.0       |
|             | 05/06/99     |                               | 5.82                             | 16.26                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 08/23/99     |                               | 6.24                             | 15.84                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 21          | NA          | NA                      | NA                    | 1.14      |
|             | 10/28/99     |                               | 6.60                             | 15.48                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 02/04/00     |                               | 7.02                             | 15.06                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<1                 | ND<3        | NA          | NA                      | NA                    | 1.09      |
|             | 06/20/00     |                               | 5.98                             | 16.10                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/29/00     |                               | 6.50                             | 15.58                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<2.50     | NA          | NA                      | NA                    | NA        |
|             | 12/17/00     |                               | 5.89                             | 16.19                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

| Well Number | Date Sampled | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (mg/L) |
|-------------|--------------|-------------------------------|----------------------------------|------------------------------|------------------------|----------------|----------------|----------------------|----------------------|-------------|-------------|-------------------------|-----------------------|-----------|
| MW-15       | 03/28/01     |                               | 5.78                             | 16.30                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | 11.1        | NA          | NA                      | NA                    | NA        |
| cont.       | 06/20/01     |                               | 5.72                             | 16.36                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 09/22/01     |                               | 6.79                             | 15.29                        | ND<50                  | ND<0.5         | ND<0.5         | ND<0.5               | ND<0.5               | 13          | NA          | NA                      | NA                    | NA        |
|             | 12/27/01     |                               | 5.49                             | 16.59                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 03/15/02     |                               | 5.68                             | 16.40                        | ND<50                  | ND< 0.5        | ND< 0.5        | ND< 0.5              | ND<0.5               | ND<2.5      | NA          | NA                      | NA                    | NA        |
|             | 04/18/02     |                               | 4.85                             | 17.23                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 07/23/02     | P                             | 6.32                             | 15.76                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | ND<2.5      | NA          | NA                      | NA                    | 2.0       |
|             | 10/16/02     |                               | 6.69                             | 15.39                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |
|             | 01/23/03(g)  | P                             | 5.70                             | 16.38                        | ND<50                  | ND<0.50        | ND<0.50        | ND<0.50              | ND<0.50              | 1.9         | NA          | NA                      | NA                    | 2.6       |
|             | 04/07/03     |                               | 5.94                             | 16.14                        | NS                     | NS             | NS             | NS                   | NS                   | NS          | NS          | NS                      | NS                    | NA        |

**Table 1**  
**Groundwater Elevation and Analytical Data**

ARCO Service Station # 601  
712 Lewelling Boulevard  
San Leandro, California

---

|      |                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| TPH  | = Total Petroleum Hydrocarbons analyzed using EPA Method 8015B modified prior to 1/23/03                                                               |
| BTEX | = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B prior to 1/23/03                                                   |
| MTBE | = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted                                                                      |
| TRPH | = Total Recoverable Petroleum Hydrocarbons                                                                                                             |
| TPHD | = Total Petroleum Hydrocarbons as diesel, California DHS (Dept. of Health Services) LUFT (Leaking Underground Fuel Tank) Method                        |
| Note | = Semi volatile organic compounds analyzed using EPA Method 8270C                                                                                      |
| µg/L | = Micrograms per liter                                                                                                                                 |
| NA   | = Not analyzed, data not available                                                                                                                     |
| NS   | = Not sampled                                                                                                                                          |
| TOC  | = Top of casing                                                                                                                                        |
| P    | = Purge                                                                                                                                                |
| NP   | = No purge                                                                                                                                             |
| DO   | = Dissolved oxygen                                                                                                                                     |
| <    | = Not detected at or above specified laboratory method detection limit                                                                                 |
| a    | = 2-methylnaphthalene                                                                                                                                  |
| b    | = Naphthalene                                                                                                                                          |
| c    | = Phenol                                                                                                                                               |
| d    | = Chromatogram Pattern: Gasoline C6-C10                                                                                                                |
| e    | = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel                      |
| f    | = 4-Methylphenol                                                                                                                                       |
| g    | = TPH, BTEX, and MTBE analyzed by EPA Method 8260B beginning on the 1st Quarter 2003 Sampling event (1/23/03)                                          |
| h    | = This sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.                    |
| i    | = Groundwater Elevations adjusted using the formula $GWE=(TOC-DTW)+(FPT \times 0.8)$                                                                   |
| j    | = Sample contains a higher boiling point hydrocarbon mixture quantitated as gasoline. The chromatogram did not match the typical gasoline fingerprint. |
| *    | = Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference                                 |

---

Source: The data within this table collected prior to July 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

---

**Table 2**  
**Fuel Oxygenate Analytical Data**

ARCO Service Station #0601  
712 Lewelling Blvd  
San Leandro, California

| Well Number | Date Sampled | Ethanol (µg/L) | TBA (µg/L) | MTBE (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) |
|-------------|--------------|----------------|------------|-------------|-------------|-------------|-------------|----------------|------------|
| MW-1        | 01/23/03     | ND<4,000       | ND<2,000   | ND<50       | ND<50       | ND<50       | ND<50       | ND<50          | ND<50      |
| MW-1        | 04/07/03     | ND<1,000       | ND<200     | 69          | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0         | ND<5.0     |
| MW-2        | 01/23/03     | ND<4,000       | ND<2,000   | 95          | ND<50       | ND<50       | ND<50       | ND<50          | ND<50      |
| MW-2        | 04/07/03     | NS             | NS         | NS          | NS          | NS          | NS          | NS             | NS         |
| MW-3        | 01/23/03     | ND<8,000       | ND<4,000   | ND<100      | ND<100      | ND<100      | ND<100      | ND<100         | ND<100     |
| MW-3        | 04/07/03     | ND<10,000      | ND<2,000   | ND<50       | ND<50       | ND<50       | ND<50       | ND<50          | ND<50      |
| MW-4        | 01/23/03     | ND<200         | ND<100     | 5.9         | ND<2.5      | ND<2.5      | ND<2.5      | ND<2.5         | ND<2.5     |
| MW-4        | 04/07/03     | ND<100         | ND<20      | 9.2         | ND<0.5      | ND<0.5      | 0.61        | ND<0.5         | ND<0.50    |
| MW-5        | 01/23/03     | ND<4,000       | ND<2,000   | ND<50       | ND<50       | ND<50       | ND<50       | ND<50          | ND<50      |
| MW-5        | 04/07/03     | ND<500         | ND<100     | 32          | ND<2.5      | ND<2.5      | 6.3         | ND<2.5         | ND<2.5     |
| MW-6        | 01/23/03     | ND<4,000       | ND<2,000   | ND<50       | ND<50       | ND<50       | ND<50       | ND<50          | ND<50      |
| MW-6(a)     | 01/23/03     | ND<200         | ND<100     | 17          | ND<2.5      | ND<2.5      | ND<2.5      | ND<2.5         | ND<2.5     |
| MW-6        | 04/07/03     | ND<100         | ND<20      | 15          | ND<0.5      | ND<0.5      | 2.1         | ND<0.5         | ND<0.50    |
| MW-7        | 01/23/03     | ND<40          | ND<20      | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-7        | 04/07/03     | ND<100         | ND<20      | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-8        | 01/23/03     | ND<40          | ND<20      | 2.6         | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-8        | 04/07/03     | ND<100         | ND<20      | 19          | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-9        | 01/23/03     | ND<40          | ND<20      | 2.2         | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-9        | 04/07/03     | NS             | NS         | NS          | NS          | NS          | NS          | NS             | NS         |
| MW-10       | 01/23/03     | ND<40          | ND<20      | 1.4         | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-10       | 04/07/03     | ND<100         | ND<20      | 1.6         | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |

**Table 2**  
**Fuel Oxygenate Analytical Data**

ARCO Service Station #0601  
712 Lewelling Blvd  
San Leandro, California

| Well Number  | Date Sampled    | Ethanol (µg/L)   | TBA (µg/L)      | MTBE (µg/L)       | DIPE (µg/L)       | ETBE (µg/L)       | TAME (µg/L)       | 1,2-DCA (µg/L)    | EDB (µg/L)        |
|--------------|-----------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| MW-11        | 01/23/03        | ND<40            | ND<20           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           |
| <b>MW-11</b> | <b>04/07/03</b> | <b>NS</b>        | <b>NS</b>       | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         |
| MW-13        | 01/23/03        | ND<40            | ND<20           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           |
| <b>MW-13</b> | <b>04/07/03</b> | <b>NS</b>        | <b>NS</b>       | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         |
| MW-14        | 01/23/03        | ND<40            | ND<20           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           |
| <b>MW-14</b> | <b>04/07/03</b> | <b>ND&lt;100</b> | <b>ND&lt;20</b> | <b>ND&lt;0.50</b> | <b>ND&lt;0.50</b> | <b>ND&lt;0.50</b> | <b>ND&lt;0.50</b> | <b>ND&lt;0.50</b> | <b>ND&lt;0.50</b> |
| MW-15        | 01/23/03        | ND<40            | ND<20           | 1.9               | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           | ND<0.50           |
| <b>MW-15</b> | <b>04/07/03</b> | <b>NS</b>        | <b>NS</b>       | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         | <b>NS</b>         |

**Legend**

- Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
- TBA = tert-Butyl alcohol
- MTBE = Methyl tert-Butyl ether
- DIPE = Di-isopropyl ether
- ETBE = Ethyl tert Butyl ether
- TAME = tert-Amyl Methyl ether
- 1,2-DCA = 1,2-Dichloroethane
- EDB = 1,2-Dibromoethane
- µg/L = Micrograms per liter
- ND< = Not detected at or above laboratory reporting limits
- (a) = The sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.

**Table 3**  
**Groundwater Flow Direction and Gradient**

ARCO Service Station # 601  
712 Leveiling Boulevard  
San Leandro, California

| Date Measured | Average<br>Flow Direction | Average<br>Hydraulic Gradient |
|---------------|---------------------------|-------------------------------|
| 08/04/94      | Southwest                 | 0.004                         |
| 11/20/94      | Southwest                 | 0.002                         |
| 03/17/95      | West-Southwest            | 0.006                         |
| 06/01/95      | Southwest                 | 0.003                         |
| 08/31/95      | South-Southwest           | 0.005                         |
| 11/27/95      | South-Southwest           | 0.004                         |
| 02/22/96      | Northwest                 | 0.007                         |
| 05/20/96      | Southwest                 | 0.007                         |
| 08/26/96      | South-Southwest           | 0.004                         |
| 11/20/96      | South-Southeast           | 0.004                         |
| 03/24/97      | Southeast                 | 0.013                         |
| 05/23/97      | Southeast                 | 0.014                         |
| 11/19/97      | Southeast                 | 0.016                         |
| 02/19/98      | East                      | Variable                      |
| 04/23/98      | Variable                  | Variable                      |
| 07/27/98      | Southeast                 | 0.050                         |
| 10/14/98      | Southeast                 | 0.020                         |
| 01/21/99      | East                      | 0.040                         |
| 05/06/99      | Southeast                 | 0.050                         |
| 08/23/99      | Southeast                 | 0.020                         |
| 10/28/99      | Southeast                 | 0.040                         |
| 02/04/00      | East-Southeast            | 0.053                         |
| 06/20/00      | East-Southeast            | 0.023                         |
| 09/29/00      | East-Southeast            | 0.023                         |
| 12/17/00      | East-Southeast            | 0.010                         |
| 03/28/01      | East-Southeast            | 0.014                         |
| 06/20/01      | East-Southeast            | 0.022                         |
| 09/22/01      | East-Southeast            | 0.025                         |
| 12/27/01      | East-Southeast            | 0.025                         |
| 03/15/02      | East                      | 0.015                         |
| 04/18/02      | East                      | 0.015                         |
| 07/23/02      | East-Southeast            | 0.025                         |
| 10/16/02      | East-Southeast            | 0.022                         |
| 01/23/03      | East                      | 0.020                         |
| 04/07/03      | East-Southeast            | 0.033                         |

Source: The data within this table collected prior to July 2002 was provided to URS by Alameda County Environmental Health (07/17/94-03/17/95) and Group Environmental and their previous consultants (06/01/95-04/18/02). Previous consultant did not provide groundwater flow direction or gradient measurements for monitoring events occurring 07/17/90 through 05/05/94. URS has not verified the accuracy of this information.

**Table 4**  
**Groundwater Analytical Data**  
**Volatile and Semivolatile Organic Compounds**

ARCO Service Station #0601  
712 Lewelling Blvd  
San Leandro, California

| Well Number | Date Sampled | VOCs by EPA Method 601/8010 or 624/8240      |                |                |                |                |                      |                      | SemiVOCs by EPA Method 3520/8270 |                             |                                    |                             |               |
|-------------|--------------|----------------------------------------------|----------------|----------------|----------------|----------------|----------------------|----------------------|----------------------------------|-----------------------------|------------------------------------|-----------------------------|---------------|
|             |              | Methylene Chloride (µg/L)                    | 1,2-DCA (µg/L) | 1,1 DCA (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L)               | 2-Methyl naphthalene (µg/L) | Bis (2-ethylhexl) Phthalate (µg/L) | 2,4-Di methyl-phenol (µg/L) | Phenol (µg/L) |
| MW-1        | 07/18/90     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 10/15/90     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 01/09/91     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 04/16/91     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 06/10/91     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 10/10/91     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 03/23/92     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 06/08/92     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 09/15/92     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 11/16/92     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 02/16/93     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 05/13/93     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 08/17/93     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 11/08/93     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 02/14/94     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 05/05/94     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 08/04/94     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 11/20/94     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 03/17/95     | NA                                           | NA             | NA             | NA             | NA             | NA                   | NA                   | 1,300                            | 730                         | ND<50                              | 150                         | NA            |
|             | 06/01/95     | NA                                           | NA             | NA             | NA             | NA             | NA                   | NA                   | 2,200                            | 1,700                       | ND<100                             | ND<100                      | 240           |
|             | 08/31/95     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 11/27/95     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 02/22/96     | Not sampled: well contained floating product |                |                |                |                |                      |                      |                                  |                             |                                    |                             |               |
|             | 05/20/96     | NA                                           | NA             | NA             | NA             | NA             | NA                   | NA                   | 1,200                            | 860                         | ND<50                              | ND<50                       | ND<50         |
|             | 08/26/96     | NA                                           | NA             | NA             | NA             | NA             | NA                   | NA                   | 2,300                            | 1,800                       | ND<500                             | ND<1,000                    | ND<500        |
|             | 11/20/96     | NA                                           | NA             | NA             | NA             | NA             | NA                   | NA                   | 590                              | 250                         | 91                                 | ND<100                      | ND<50         |
|             | 03/24/97     | NA                                           | NA             | NA             | NA             | NA             | NA                   | NA                   | 730                              | 610                         | ND<50                              | ND<100                      | ND<50         |

**Table 4**  
**Groundwater Analytical Data**  
**Volatile and Semivolatile Organic Compounds**

ARCO Service Station #0601  
712 Lewelling Blvd  
San Leandro, California

| Well Number | Date Sampled | VOCs by EPA Method 601/8010 or 624/8240                                            |                |                |                |                |                     |                      | SemiVOCs by EPA Method 3520/8270 |                            |                                     |                           |               |
|-------------|--------------|------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|---------------------|----------------------|----------------------------------|----------------------------|-------------------------------------|---------------------------|---------------|
|             |              | Methylene Chloride (µg/L)                                                          | 1,2-DCA (µg/L) | 1,1 DCA (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L)               | 2-Methylnaphthalene (µg/L) | Bis (2-ethylhexyl) Phthalate (µg/L) | 2,4-Dimethylphenol (µg/L) | Phenol (µg/L) |
| MW-1        | 05/23/97     | Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1 |                |                |                |                |                     |                      |                                  |                            |                                     |                           |               |
| cont.       | 08/19/97     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 1,300                            | 790                        | ND<50                               | ND<100                    | ND<50         |
|             | 11/19/97     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | ND<5                             | ND<5                       | 5                                   | ND<10                     | ND<5          |
|             | 02/19/98     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 870                              | 330                        | ND<50                               | ND<100                    | ND<50         |
|             | 04/23/98     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 07/27/98     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 10/14/98     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 01/21/99     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 950                              | 580                        | ND<50                               | ND<100                    | ND<50         |
|             | 05/06/99     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 08/23/99     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 1,200                            | 400                        | ND<50                               | ND<100                    | ND<50         |
|             | 10/28/99     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 1,100                            | 320                        | ND<50                               | ND<100                    | ND<50         |
|             | 02/04/00     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 780                              | 330                        | ND<50                               | ND<100                    | ND<50         |
|             | 04/07/03     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | 700                              | 260                        | ND<9.6                              | ND (a)                    | ND<4.8        |
| MW-2        | 07/18/90     | 39                                                                                 | ND             | ND             | 3,200          | 2,400          | 270                 | 2,900                | 340                              | 170                        | ND                                  | ND                        | NA            |
|             | 10/15/90     | 18                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 01/09/91     | ND                                                                                 | 6.5            | ND             | 1,700          | 1,200          | 370                 | 2,400                | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 04/16/91     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 06/10/91     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 10/10/91     | ND                                                                                 | 1.7            | ND             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 03/23/92     | Not analyzed: sampling for additional parameters was discontinued                  |                |                |                |                |                     |                      |                                  |                            |                                     |                           |               |
|             | 04/07/03     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
| MW-8        | 06/10/91     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 10/10/91     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 03/23/92     | ND                                                                                 | ND             | ND             | 23             | ND<5.0*        | 450                 | 23                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 06/08/92     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                  | NA                   | NA                               | NA                         | NA                                  | NA                        | NA            |
|             | 09/15/92     | ND                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | ND                               | ND                         | 6                                   | ND                        | NA            |
|             | 11/16/92     | ND                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | 32                               | ND                         | ND                                  | ND                        | NA            |
|             | 02/16/93     | ND                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | 730                              | 130                        | ND                                  | ND                        | NA            |
|             | 05/13/93     | ND                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | 97                               | 20                         | ND                                  | ND                        | NA            |
|             | 08/17/93     | ND                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | 26                               | ND                         | ND                                  | ND                        | NA            |
|             | 11/08/93     | ND                                                                                 | ND             | ND             | NA             | NA             | NA                  | NA                   | 20                               | ND                         | 19                                  | ND                        | NA            |

**Table 4**  
**Groundwater Analytical Data**  
**Volatile and Semivolatile Organic Compounds**

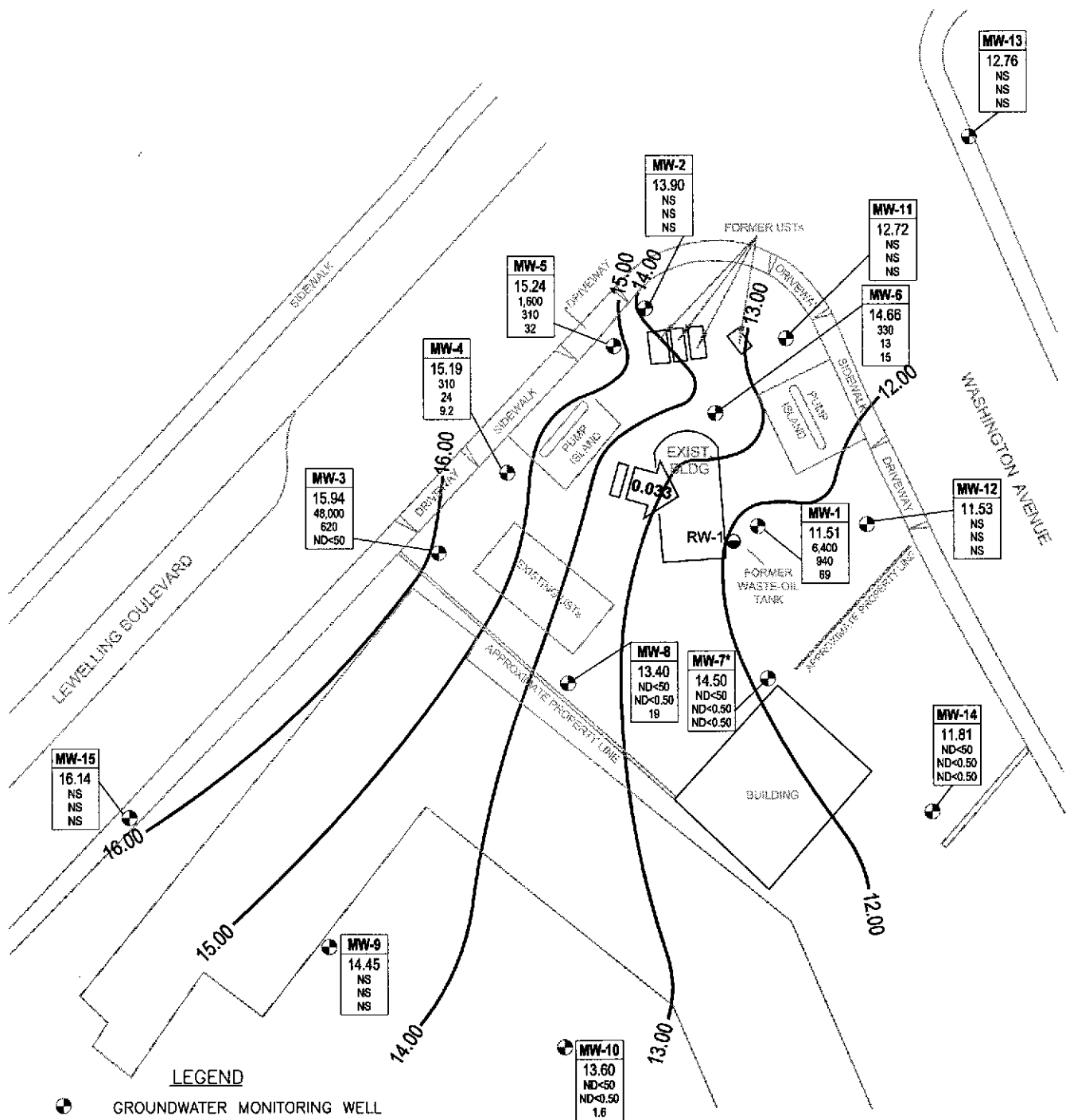
ARCO Service Station #0601  
712 Lewelling Blvd  
San Leandro, California

| Well Number | Date Sampled | VOCs by EPA Method 601/8010 or 624/8240                                            |                |                |                |                |                      |                      | SemiVOCs by EPA Method 3520/8270 |                             |                                     |                             |               |
|-------------|--------------|------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------------|----------------------|----------------------------------|-----------------------------|-------------------------------------|-----------------------------|---------------|
|             |              | Methylene Chloride (µg/L)                                                          | 1,2-DCA (µg/L) | 1,1 DCA (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L)               | 2-Methyl naphthalene (µg/L) | Bis (2-ethylhexyl) Phthalate (µg/L) | 2,4-Di methyl-phenol (µg/L) | Phenol (µg/L) |
| MW-8        | 02/14/94     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 350                              | 65                          | ND                                  | ND                          | NA            |
| cont.       | 05/05/94     | ND<0.5                                                                             | ND<0.5         | 0.7            | NA             | NA             | NA                   | NA                   | 23                               | ND<10                       | ND<10                               | ND                          | NA            |
|             | 08/04/94     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 11                               | ND<10                       | 10                                  | ND                          | NA            |
|             | 12/13/94     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 14                               | ND<10                       | 14                                  | ND                          | NA            |
|             | 03/17/95     | Not Analyzed: well MW-1 was sampled for additional parameters in lieu of well MW-8 |                |                |                |                |                      |                      |                                  |                             |                                     |                             |               |
|             | 08/31/95     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 62                               | 8                           | ND<5                                | ND<5                        | ND<5          |
|             | 11/27/95     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 15                               | ND<5                        | ND<5                                | ND<5                        | ND<5          |
|             | 03/14/96     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 400                              | 55                          | ND<50                               | ND<50                       | ND<50         |
|             | 05/23/97     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | 26                               | ND<5                        | ND<5                                | ND<10                       | ND<5          |
|             | 04/07/03     | NA                                                                                 | NA             | NA             | NA             | NA             | NA                   | NA                   | NA                               | NA                          | NA                                  | NA                          | NA            |

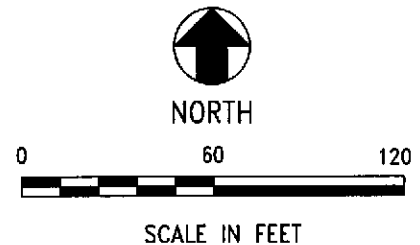
\* Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference.

a. Sample was ND for 2-Methylphenol and ND for 4-Methylphenol. Analysis not performed for 2,4-Dimethylphenol.

Source: The data within this table was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.



- LEGEND**
- GROUNDWATER MONITORING WELL
  - SOIL VAPOR EXTRACTION WELL
  - 13.0 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
  - APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
  - Well**
  - ELEV** — GROUNDWATER ELEVATION (FEET ABOVE MSL)
  - TPH-g** — CONCENTRATIONS OF TPH-g, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
  - Benzene**
  - MTBE**
  - DATA NOT USED FOR CONTOURING
  - ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
  - NS NOT SAMPLED

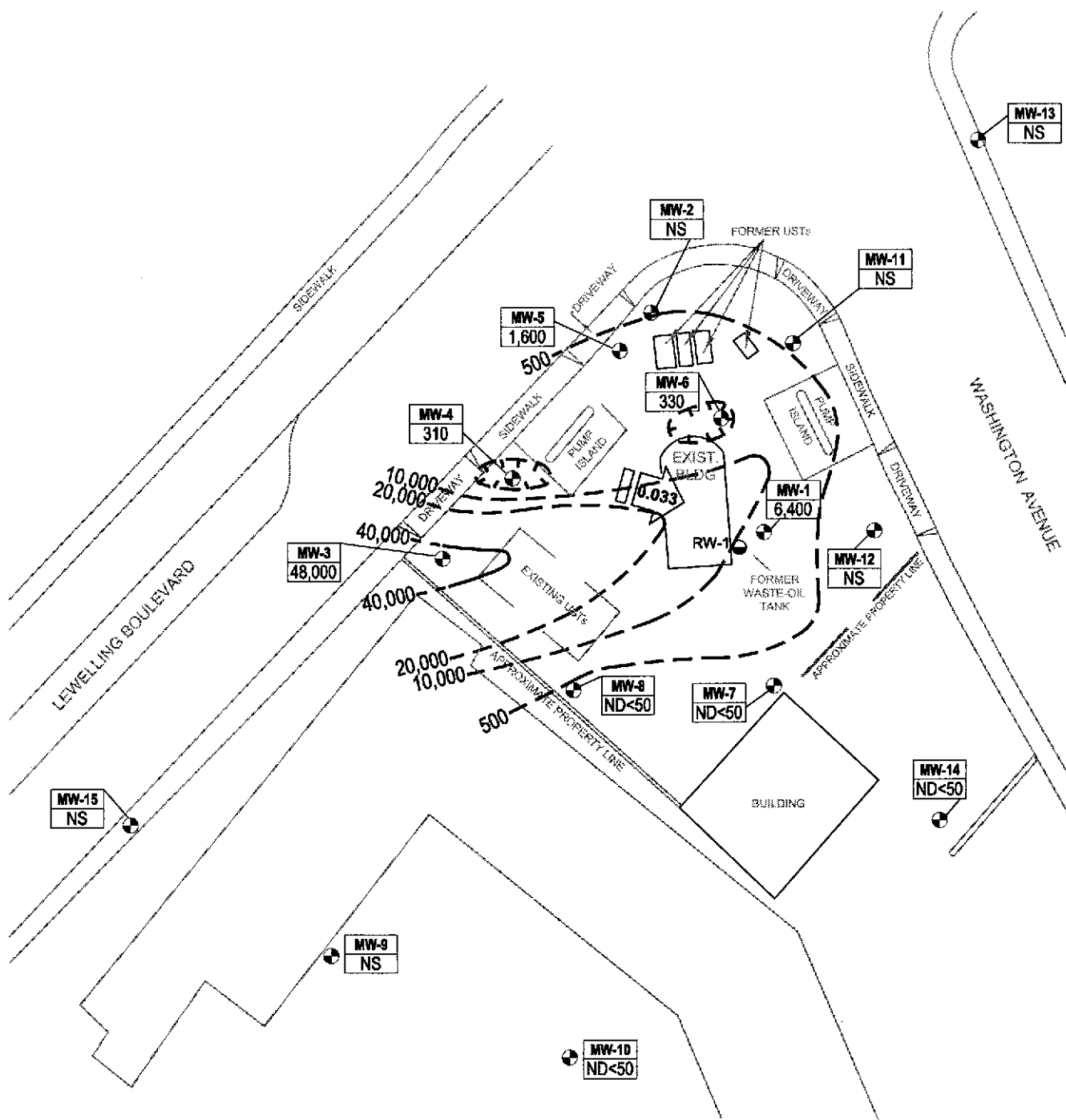


**URS**

Project No. 38486088  
Arco Service Station 0601  
712 Levee Boulevard  
San Leandro, California

**GROUNDWATER ELEVATION CONTOUR  
AND ANALYTICAL SUMMARY MAP**  
Second Quarter 2003 (April 7, 2003)

FIGURE  
1

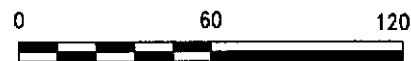


#### LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 100 TPH-g ISOCONCENTRATION CONTOUR (µg/L)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- WELL DESIGNATION
- TPH-g CONCENTRATION (µg/L)
- ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS NOT SAMPLED
- CONE OF DEPRESSION



NORTH



SCALE IN FEET

**URS**

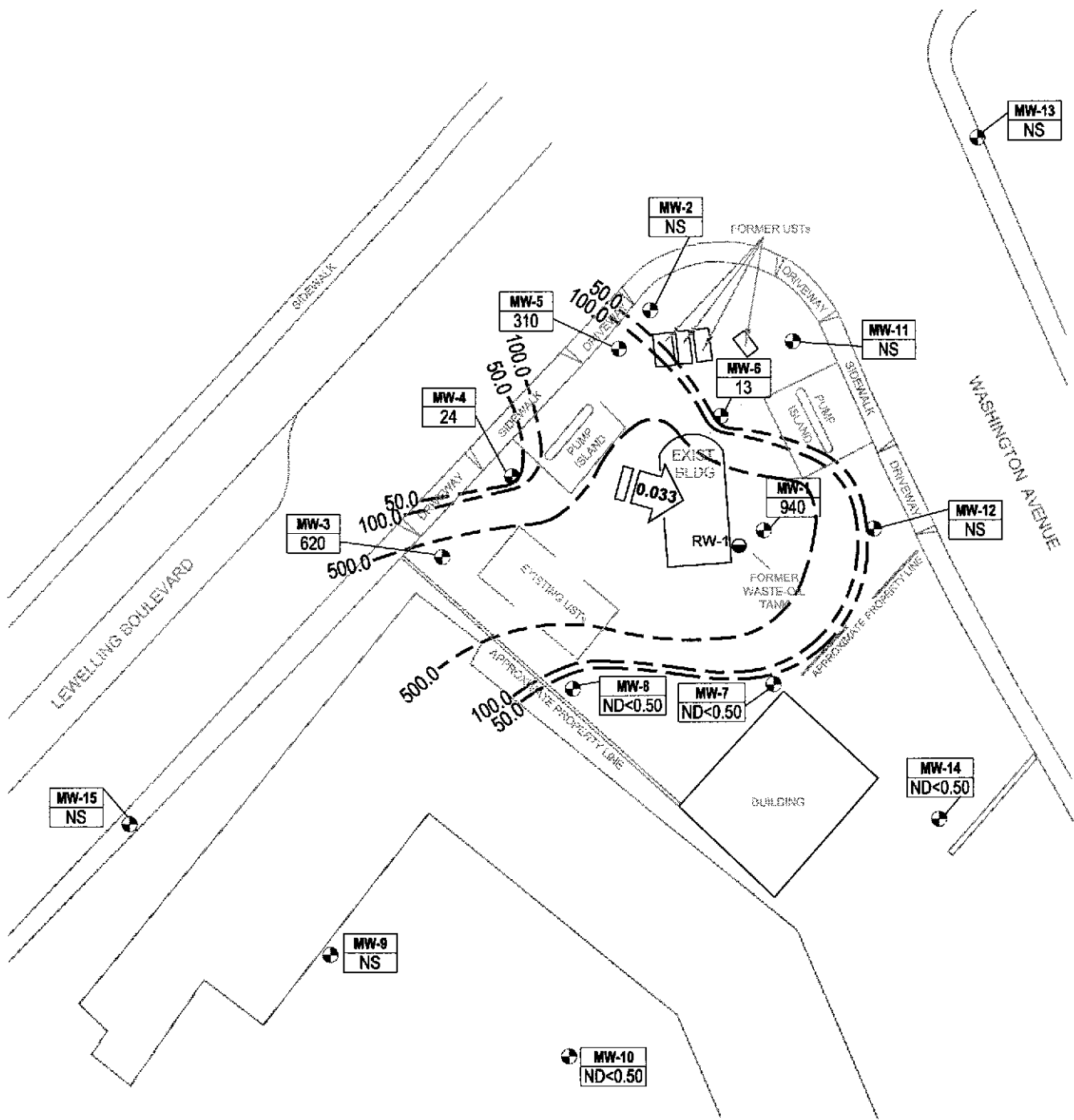
Project No. 38486088  
Arco Service Station 0601  
712 Lewelling Boulevard  
San Leandro, California

TPH-g ISOCONCENTRATION MAP  
Second Quarter 2003 (April 7, 2003)

FIGURE

2

X:\env\waste\BP\_GEM\Site\Scott Robinson\Paul\_Supp\0601\Monitoring\Chr. 2, 2003\Drawings\3\_BENZN\_4-7.dwg

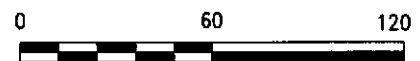


#### LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 50.0 — BENZENE ISOCONCENTRATION CONTOUR (µg/L)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- WELL DESIGNATION
- BENZENE CONCENTRATION (µg/L)
- ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS NOT SAMPLED



NORTH



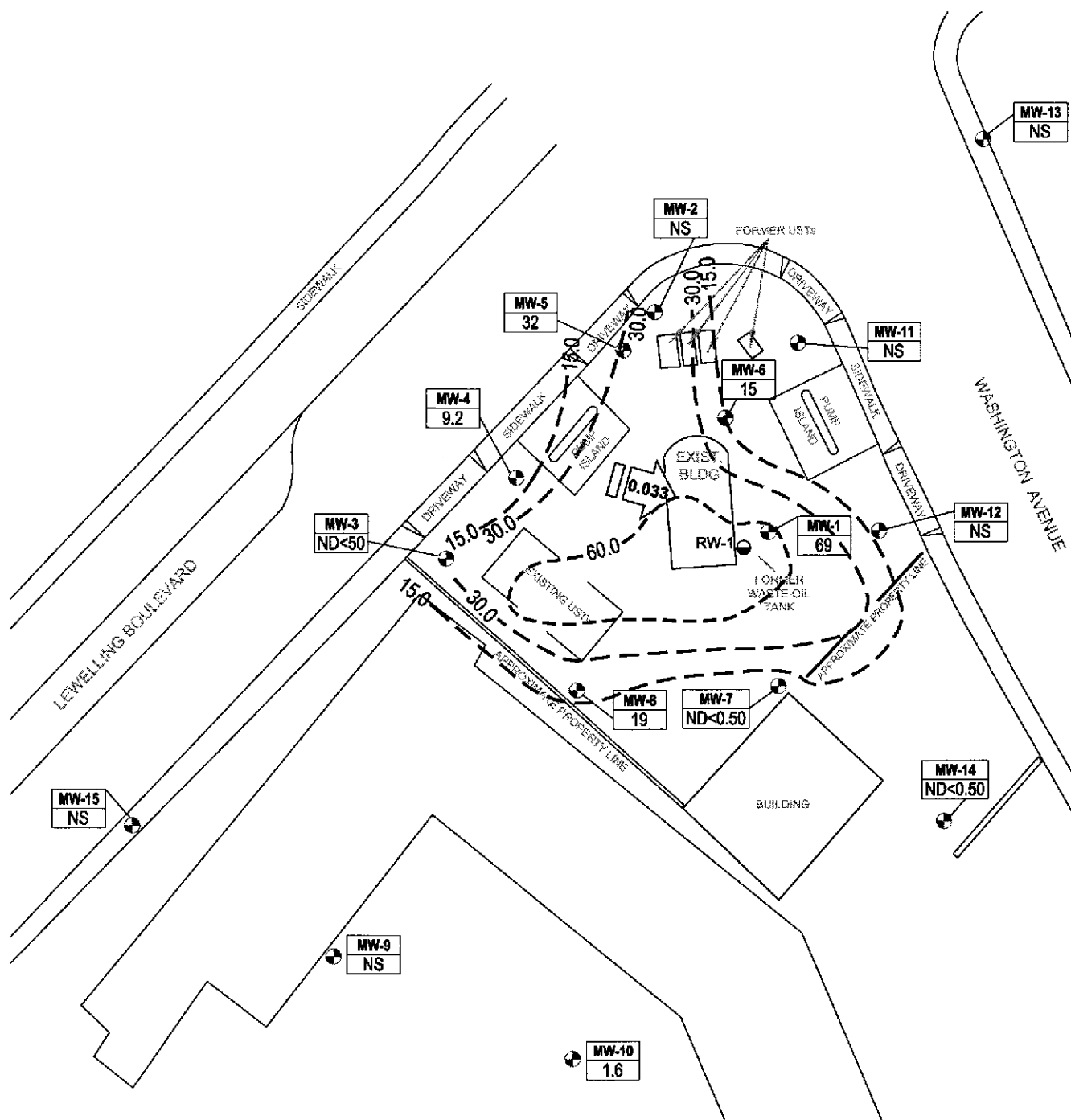
SCALE IN FEET

**URS**

Project No. 38486088  
Arco Service Station 0601  
712 Lewelling Boulevard  
San Leandro, California

**BENZENE ISOCONCENTRATION MAP**  
Second Quarter 2003 (April 7, 2003)

FIGURE  
**3**

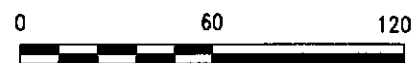


# LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 60.0 — MTBE ISOCONCENTRATION CONTOUR (µg/L)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- WELL DESIGNATION
- MTBE CONCENTRATION (µg/L)
- ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS NOT SAMPLED



NORTH



SCALE IN FEET

**URS**

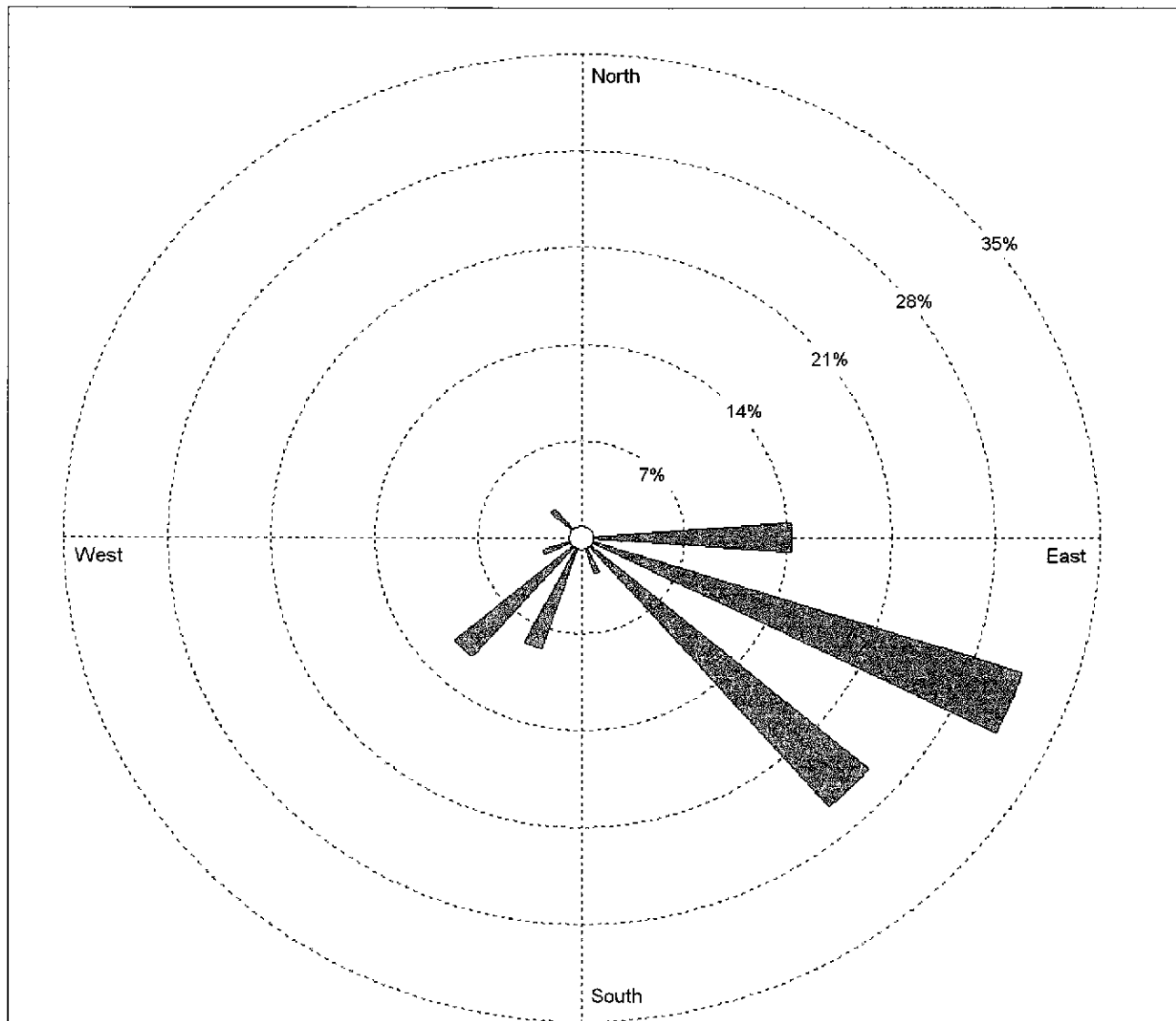
Project No. 38486088  
Arco Service Station 0601  
712 Lewelling Boulevard  
San Leandro, California

**MTBE ISOCONCENTRATION MAP**  
**Second Quarter 2003 (April 7, 2003)**

FIGURE

**4**

**Figure 5**  
**Rose Diagram of Groundwater Flow Direction From 08/04/94 through 04/07/03**  
**ARCO Service Station #0601**  
**712 Lewelling Boulevard**  
**San Leandro, California**



**Figure 5 Legend**

Rose segments represent measured groundwater flow directions from 08/04/94 through 04/07/03.

Rose segments show frequency of flow directions expressed as percent (%) of total readings (35) from 08/04/94 through 04/07/03. Monitoring events with "variable" flow direction were excluded when completing this diagram.

Previous consultant did not provide groundwater flow direction or gradient measurements for monitoring events occurring 07/17/90 through 05/05/94.

Source: The data within this figure collected prior to July 2002 was provided to URS by Alameda County Environmental Health (07/17/90 – 03/17/95) and Group Environmental Management and their previous consultants. URS has not verified the accuracy of this information.

**ATTACHMENT A**  
**FIELD PROCEDURES AND FIELD DATA SHEETS**

## **FIELD PROCEDURES**

---

### **Sampling Procedures**

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon<sup>TM</sup> bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

## WELL GAUGING DATA

Project # 030407-EH2

Date 4/7/03

Client: Arlo Cool

Site 712 Lewelling Blvd, San Leandro

| Well ID | Well Size (in.) | Sheen / Odor                    | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point; TOB or TOC |
|---------|-----------------|---------------------------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|
| mw-1    | 4               |                                 |                                  |                                      |                                    | 7.68                 | 11.05                      | 7'                       |
| mw-2    | 4               |                                 | ORC's                            |                                      |                                    | 7.22                 | 12.20                      | GO                       |
| mw-3    | 4               | pressure, allowed to stabilize. |                                  |                                      |                                    | 7.05                 | 11.85                      | 8'                       |
| mw-4    | 4               |                                 |                                  |                                      |                                    | 7.19                 | 8.43                       | NP                       |
| mw-5    | 4               |                                 | ORC's                            |                                      |                                    | 7.21                 | 10.04                      | NP                       |
| mw-6    | 4               |                                 |                                  |                                      |                                    | 8.11                 | 8.54                       | NP                       |
| mw-7    | 4               |                                 |                                  |                                      |                                    | 8.39                 | 9.58                       | NP                       |
| mw-8    | 4               |                                 | ORC's                            |                                      |                                    | 7.49                 | 10.11                      | NP                       |
| mw-9    | 2               |                                 |                                  |                                      |                                    | 7.81                 | 15.88                      | GO                       |
| mw-10   | 2               |                                 |                                  |                                      |                                    | 7.73                 | 18.67                      | NP                       |
| mw-11   | 4               |                                 |                                  |                                      |                                    | 8.25                 | 11.80                      | GO                       |
| mw-12   | 4               |                                 |                                  |                                      |                                    | 8.58                 | 11.54                      | GO                       |
| mw-13   | 2               |                                 |                                  |                                      |                                    | 7.99                 | 12.92                      | GO                       |
| mw-14   | 2               |                                 |                                  |                                      |                                    | 9.09                 | 12.95                      | 7.5'                     |
| mw-15   | 2               |                                 |                                  |                                      |                                    | 5.94                 | 10.03                      | GO                       |
|         |                 |                                 |                                  |                                      |                                    |                      |                            |                          |
|         |                 | * gauged w/ ORC's out of well   |                                  |                                      |                                    |                      |                            |                          |

# ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                        |
|---------------------------------|----------------------------------------|
| 3TS #: 030407-EH2               | Station # Arco 601                     |
| Sampler: Ryan H                 | Date: 4/1/03                           |
| Well I.D.: mw-1                 | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 11.05         | Depth to Water: 7.68                   |
| Depth to Free Product:          | Thickness of Free Product (feet):      |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                                                       |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Middleburg</del><br><del>Electric Submersible</del><br><del>Extraction Pump</del><br>Other: _____ | Sampling Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Extraction Port</del><br>Other: _____ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

Top of Screen: 7'      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                                                          |   |                                      |   |                                            |
|----------------------------------------------------------|---|--------------------------------------|---|--------------------------------------------|
| $\frac{0.75 \text{ gal}}{1 \text{ Case Volume (Gals.)}}$ | X | $\frac{0}{\text{Specified Volumes}}$ | = | $\frac{0}{\text{Calculated Volume}}$ Gals. |
|----------------------------------------------------------|---|--------------------------------------|---|--------------------------------------------|

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1145 | 74.8      | 6.9 | 1518                            | 0             | clear        |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                                                                                                            |                                                                                                                                                                                                                                    |                       |                             |                     |                      |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|---------------------|----------------------|
| Did well dewater? <u>Yes</u> <del>No</del>                                                                                 | Gallons actually evacuated: <u>0</u>                                                                                                                                                                                               |                       |                             |                     |                      |
| Sampling Time: 1145                                                                                                        | Sampling Date: 4/1/03                                                                                                                                                                                                              |                       |                             |                     |                      |
| Sample I.D.: mw-1                                                                                                          | Laboratory: Pace <u>Sequoia</u> Other _____                                                                                                                                                                                        |                       |                             |                     |                      |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Ethanol, 1,2-DCA + EDB by 8260, SVOC's by 8270</u> |                                                                                                                                                                                                                                    |                       |                             |                     |                      |
| D.O. (if req'd):                                                                                                           | <table style="width: 100%;"> <tr> <td style="width: 50%;">Pre-purge: _____ mg/L</td> <td style="width: 50%;">Post-purge: <u>1.1</u> mg/L</td> </tr> <tr> <td>Pre-purge: _____ mV</td> <td>Post-purge: _____ mV</td> </tr> </table> | Pre-purge: _____ mg/L | Post-purge: <u>1.1</u> mg/L | Pre-purge: _____ mV | Post-purge: _____ mV |
| Pre-purge: _____ mg/L                                                                                                      | Post-purge: <u>1.1</u> mg/L                                                                                                                                                                                                        |                       |                             |                     |                      |
| Pre-purge: _____ mV                                                                                                        | Post-purge: _____ mV                                                                                                                                                                                                               |                       |                             |                     |                      |
| O.R.P. (if req'd):                                                                                                         | <table style="width: 100%;"> <tr> <td style="width: 50%;">Pre-purge: _____ mV</td> <td style="width: 50%;">Post-purge: _____ mV</td> </tr> </table>                                                                                | Pre-purge: _____ mV   | Post-purge: _____ mV        |                     |                      |
| Pre-purge: _____ mV                                                                                                        | Post-purge: _____ mV                                                                                                                                                                                                               |                       |                             |                     |                      |

# ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                        |
|---------------------------------|----------------------------------------|
| BTS #: 030407-EH2               | Station # Arco 601                     |
| Sampler: Ryan H                 | Date: 4/1/03                           |
| Well I.D.: mw-3                 | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 11.85         | Depth to Water: 7.05                   |
| Depth to Free Product:          | Thickness of Free Product (feet):      |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                  |                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br>Disposable Bailer<br>Middleburg<br><u>Electric Submersible</u><br>Extraction Pump<br>Other: _____ | Sampling Method: <u>Bailer</u><br><u>Disposable Bailer</u><br>Extraction Port<br>Other: _____ |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|

Top of Screen: 3'      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| 3.1                   | X | 3                 | = | 9.3               | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1213 | 72.2      | 7.1 | 991                             | 3.1           | Clear        |
| 1214 | 68.1      | 6.9 | 945                             | 6.2           | "            |
| 1215 | 68.3      | 6.9 | 962                             | 9.3           | "            |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                                                                                     |                                                   |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Did well dewater? Yes <u>(No)</u>                                                                   | Gallons actually evacuated: 9.3                   |
| Sampling Time: 1220                                                                                 | Sampling Date: 4/1/03                             |
| Sample I.D.: mw-3                                                                                   | Laboratory: Pace <u>Sequoia</u> Other _____       |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA+EDB by 82.607 |                                                   |
| D.O. (if req'd):                                                                                    | Pre-purge: _____ mg/L <u>Post-purge:</u> 1.4 mg/L |
| O.R.P. (if req'd):                                                                                  | Pre-purge: _____ mV <u>Post-purge:</u> _____ mV   |

# ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                        |
|---------------------------------|----------------------------------------|
| BTS #: 030407-EH2               | Station # Arco 601                     |
| Sampler: Ryan H                 | Date: 4/1/03                           |
| Well I.D.: mw-4                 | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 8.43          | Depth to Water: 7.19                   |
| Depth to Free Product:          | Thickness of Free Product (feet):      |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                                                       |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Middleburg</del><br><del>Electric Submersible</del><br><del>Extraction Pump</del><br>Other: _____ | Sampling Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Extraction Port</del><br>Other: _____ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

Top of Screen: NP If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                              |   |                   |   |                   |       |
|------------------------------|---|-------------------|---|-------------------|-------|
| <u>1 Case Volume (Gals.)</u> | x | <u>0</u>          | = | <u>0</u>          | Gals. |
|                              |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1130 | 73.1      | 7.1 | 1350                            | <u>0</u>      | clear        |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                            |                                             |
|--------------------------------------------|---------------------------------------------|
| Did well dewater? <u>Yes</u> <del>No</del> | Gallons actually evacuated: <u>0</u>        |
| Sampling Time: 1130                        | Sampling Date: 4/1/03                       |
| Sample I.D.: mw-4                          | Laboratory: Pace <u>Sequoia</u> Other _____ |

|                                                                                                         |            |      |                             |
|---------------------------------------------------------------------------------------------------------|------------|------|-----------------------------|
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>oxygens, ethanol, 1,2 DCA + EDB by 8260</u> |            |      |                             |
| D.O. (if req'd):                                                                                        | Pre-purge: | mg/L | Post-purge: <u>1.1</u> mg/L |
| O.R.P. (if req'd):                                                                                      | Pre-purge: | mV   | Post-purge: mV              |

# ARCO / BP WELL MONITORING DATA SHEET

|                          |                                        |
|--------------------------|----------------------------------------|
| 3TS #: 030401-EH2        | Station # Arco 601                     |
| Sampler: Ryan H          | Date: 4/1/03                           |
| Well I.D.: mw-5          | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 10.04  | Depth to Water: 7.21                   |
| Depth to Free Product:   | Thickness of Free Product (feet):      |
| Referenced to: PVC Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                               |                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Purge Method: <del>Bailer</del><br>Disposable Bailer<br>Middleburg<br>Electric Submersible<br>Extraction Pump<br>Other: _____ | Sampling Method: <del>Bailer</del><br><del>Disposable Bailer</del><br>Extraction Port<br>Other: _____ |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

Top of Screen: NF      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| Grab                  | X | <u>0</u>          | = | <u>0</u>          | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1155 | 73.9      | 7.2 | 1714                            | <u>0</u>      | clear        |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                                                                                            |                                                          |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Did well dewater? <u>Yes</u> <del>No</del>                                                                 | Gallons actually evacuated: <u>0</u>                     |
| Sampling Time: 1155                                                                                        | Sampling Date: 4/1/03                                    |
| Sample I.D.: mw-5                                                                                          | Laboratory: Pace <u>Sequoia</u> Other: _____             |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Ethanol, 1,2 DCA + EDB by 8260</u> |                                                          |
| D.O. (if req'd):                                                                                           | Pre-purge: _____ mg/L <u>Post-purge:</u> <u>1.5</u> mg/L |
| O.R.P. (if req'd):                                                                                         | Pre-purge: _____ mV      Post-purge: _____ mV            |

# ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                        |
|---------------------------------|----------------------------------------|
| BTS #: 030407-EH2               | Station # Arco 601                     |
| Sampler: Ryan H                 | Date: 4/7/03                           |
| Well I.D.: mw-6                 | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 8.54          | Depth to Water: 8.11                   |
| Depth to Free Product:          | Thickness of Free Product (feet):      |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                                                       |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Middleburg</del><br><del>Electric Submersible</del><br><del>Extraction Pump</del><br>Other: _____ | Sampling Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Extraction Port</del><br>Other: _____ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

Top of Screen: NP      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                                               |   |                                      |   |                                      |       |
|-----------------------------------------------|---|--------------------------------------|---|--------------------------------------|-------|
| $\frac{0.000}{1 \text{ Case Volume (Gals.)}}$ | X | $\frac{0}{\text{Specified Volumes}}$ | = | $\frac{0}{\text{Calculated Volume}}$ | Gals. |
|-----------------------------------------------|---|--------------------------------------|---|--------------------------------------|-------|

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations         |
|------|-----------|-----|---------------------------------|---------------|----------------------|
| 1035 | 69.9      | 6.9 | 1599                            | 0             | orange flakes, clear |
|      |           |     |                                 |               |                      |
|      |           |     |                                 |               |                      |
|      |           |     |                                 |               |                      |
|      |           |     |                                 |               |                      |

|                                                                                                           |                                                   |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Did well dewater? <del>Yes</del> <u>No</u>                                                                | Gallons actually evacuated: <u>0</u>              |
| Sampling Time: 1035                                                                                       | Sampling Date: 4/7/03                             |
| Sample I.D.: mw-6                                                                                         | Laboratory: Pace <u>Sequoia</u> Other _____       |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxybenzoles, chloroal, 1,2DCA+EDS by 8260</u> |                                                   |
| D.O. (if req'd):                                                                                          | Pre-purge: _____ mg/L <u>Post-purge:</u> 2.2 mg/L |
| O.R.P. (if req'd):                                                                                        | Pre-purge: _____ mV <u>Post-purge:</u> _____ mV   |

# ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                        |
|---------------------------------|----------------------------------------|
| 3TS #: 030407-2H2               | Station # Arco 601                     |
| Sampler: Ryan H                 | Date: 4/1/03                           |
| Well I.D.: mw-7                 | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 9.68          | Depth to Water: 8.39                   |
| Depth to Free Product:          | Thickness of Free Product (feet):      |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                           |                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br>Disposable Bailer<br>Middleburg<br>Electric Submersible<br>Extraction Pump<br>Other: _____ | Sampling Method: <u>Bailer</u><br><u>Disposable Bailer</u><br>Extraction Port<br>Other: _____ |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|

Top of Screen: NP If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>Grab</u>           | X | <u>0</u>          | = | <u>0</u>          | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1020 | 68.5      | 6.9 | 1565                            | <u>0</u>      | clear        |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                                                                                            |                                                   |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Did well dewater? <u>Yes</u> <del>No</del>                                                                 | Gallons actually evacuated: <u>0</u>              |
| Sampling Time: 1020                                                                                        | Sampling Date: 4/1/03                             |
| Sample I.D.: mw-7                                                                                          | Laboratory: Pace <u>Sequoia</u> Other _____       |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>oxygenates, chlorides, 1,2DCH+EDB by 82.60</u> |                                                   |
| D.O. (if req'd):                                                                                           | Pre-purge: _____ mg/L Post-purge: <u>5.1</u> mg/L |
| O.R.P. (if req'd):                                                                                         | Pre-purge: _____ mV Post-purge: _____ mV          |

# ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                        |
|---------------------------------|----------------------------------------|
| BTS #: 030407-2H2               | Station # Arco 601                     |
| Sampler: Ryan H                 | Date: 4/1/03                           |
| Well I.D.: mw-8                 | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: 10.11         | Depth to Water: 7.49                   |
| Depth to Free Product:          | Thickness of Free Product (feet):      |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): <u>YSI</u> HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                                                           |                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Purge Method: <del>Bailer</del><br><del>Disposable Bailer</del><br><del>Middleburg</del><br><del>Electric Submersible</del><br><del>Extraction Pump</del><br>Other: _____ | Sampling Method: <u>Bailer</u><br><del>Disposable Bailer</del><br>Extraction Port<br>Other: _____ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

Top of Screen: N/P      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                                                        |   |                                             |   |                                                   |
|--------------------------------------------------------|---|---------------------------------------------|---|---------------------------------------------------|
| $\frac{6.0 \text{ mb}}{1 \text{ Case Volume (Gals.)}}$ | X | $\frac{\text{⊕}}{\text{Specified Volumes}}$ | = | $\frac{\text{⊕}}{\text{Calculated Volume}}$ Gals. |
|--------------------------------------------------------|---|---------------------------------------------|---|---------------------------------------------------|

| Time | Temp (°F) | pH  | Conductivity (mS or <u>μS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1050 | 69.9      | 7.5 | 866                             | ⊕             | clear        |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                                                                                           |                                                                                                                                                              |                       |                             |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|
| Did well dewater? <u>Yes</u> <del>No</del>                                                                | Gallons actually evacuated: <u>⊕</u>                                                                                                                         |                       |                             |
| Sampling Time: 1050                                                                                       | Sampling Date: 4/1/03                                                                                                                                        |                       |                             |
| Sample I.D.: mw-8                                                                                         | Laboratory: Pace <u>Sequoia</u> Other _____                                                                                                                  |                       |                             |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Chlorides, 1,2DCA+EDS by 8267</u> |                                                                                                                                                              |                       |                             |
| D.O. (if req'd):                                                                                          | <table style="width: 100%;"> <tr> <td style="width: 50%;">Pre-purge: _____ mg/L</td> <td style="width: 50%;">Post-purge: <u>4.7</u> mg/L</td> </tr> </table> | Pre-purge: _____ mg/L | Post-purge: <u>4.7</u> mg/L |
| Pre-purge: _____ mg/L                                                                                     | Post-purge: <u>4.7</u> mg/L                                                                                                                                  |                       |                             |
| O.R.P. (if req'd):                                                                                        | <table style="width: 100%;"> <tr> <td style="width: 50%;">Pre-purge: _____ mV</td> <td style="width: 50%;">Post-purge: _____ mV</td> </tr> </table>          | Pre-purge: _____ mV   | Post-purge: _____ mV        |
| Pre-purge: _____ mV                                                                                       | Post-purge: _____ mV                                                                                                                                         |                       |                             |

# ARCO / BP WELL MONITORING DATA SHEET

|                          |                                   |
|--------------------------|-----------------------------------|
| BTS #: 030407-EH2        | Station # Arco 601                |
| Sampler: Ryan H          | Date: 4/1/03                      |
| Well I.D.: mw-10         | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 18.67  | Depth to Water: 7.73              |
| Depth to Free Product:   | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | D.O. Meter (if req'd): YSI HACH   |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                                                       |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Middleburg</del><br><del>Electric Submersible</del><br><del>Extraction Pump</del><br>Other: _____ | Sampling Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Extraction Port</del><br>Other: _____ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

Top of Screen: NP      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                                     |   |                               |   |                               |       |
|-------------------------------------|---|-------------------------------|---|-------------------------------|-------|
| <u>6.0</u><br>1 Case Volume (Gals.) | X | <u>0</u><br>Specified Volumes | = | <u>0</u><br>Calculated Volume | Gals. |
|-------------------------------------|---|-------------------------------|---|-------------------------------|-------|

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations     |
|------|-----------|-----|---------------------------------|---------------|------------------|
| 955  | 66.8      | 7.0 | 1113                            | 0             | brownish, turbid |
|      |           |     |                                 |               |                  |
|      |           |     |                                 |               |                  |
|      |           |     |                                 |               |                  |
|      |           |     |                                 |               |                  |

|                                                                                                            |                                                        |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Did well dewater? <del>Yes</del> No                                                                        | Gallons actually evacuated: <u>0</u>                   |
| Sampling Time: 955                                                                                         | Sampling Date: 4/1/03                                  |
| Sample I.D.: mw-10                                                                                         | Laboratory: Pace <u>Sequoia</u> Other _____            |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Ethanol, 1,2-DCA + EDB by 8260</u> |                                                        |
| D.O. (if req'd):                                                                                           | Pre-purge: _____ mg/L      Post-purge: <u>1.3</u> mg/L |
| O.R.P. (if req'd):                                                                                         | Pre-purge: _____ mV      Post-purge: _____ mV          |

# ARCO / BP WELL MONITORING DATA SHEET

|                          |                                   |
|--------------------------|-----------------------------------|
| BTS #: 030407-EH2        | Station # Arco 601                |
| Sampler: Ryan H          | Date: 4/1/03                      |
| Well I.D.: mw-14         | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 12.95  | Depth to Water: 9.07              |
| Depth to Free Product:   | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | D.O. Meter (if req'd): YSI HACH   |

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

|                                                                                                                                                                       |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Middleburg</del><br><del>Electric Submersible</del><br><del>Extraction Pump</del><br>Other: _____ | Sampling Method: <u>Bailer</u><br><del>Disposable Bailer</del><br><del>Extraction Port</del><br>Other: _____ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

Top of Screen: 7.5'      If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>6 mah</u>          | X | <u>0</u>          | = | <u>0</u>          | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1010 | 68.6      | 6.9 | 1522                            | 0             | clear        |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|                                                                                                          |                                                            |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Did well dewater? Yes <u>  </u> No <u>  </u>                                                             | Gallons actually evacuated: <u>0</u>                       |
| Sampling Time: 1010                                                                                      | Sampling Date: 4/1/03                                      |
| Sample I.D.: mw-14                                                                                       | Laboratory: Pace <u>Sequoia</u> Other _____                |
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>oxygenates, ethanol, 1,2-DCA+EDB by 8262</u> |                                                            |
| D.O. (if req'd):                                                                                         | Pre-purge: <u>  </u> mg/L      Post-purge: <u>1.4</u> mg/L |
| O.R.P. (if req'd):                                                                                       | Pre-purge: <u>  </u> mV      Post-purge: <u>  </u> mV      |

# BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-  
HAZARDOUS PURGEWATER RECOVERED FROM  
GROUNDWATER WELLS AT BP GEM OIL COMPANY  
FACILITIES IN THE STATE OF CALIFORNIA. THE NON-  
HAZARDOUS PURGE- WATER WHICH HAS BEEN  
RECOVERED FROM GROUND- WATER WELLS IS  
COLLECTED BY THE CONTRACTOR, MADE UP INTO  
LOADS OF APPROPRIATE SIZE AND HAULED BY  
DILLARD ENVIRONMENTAL TO THE ALTAMONT  
LANDFILL AND RESOURCE RECOVERY FACILITY IN  
LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH  
SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA  
95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is  
authorized by BP GEM OIL COMPANY to recover, collect,  
apportion into loads the Non-Hazardous Well Purgewater that is  
drawn from wells at the BP GEM Oil Company facility indicated  
below and deliver that purgewater to BTS. Transport routing of  
the Non-Hazardous Well Purgewater may be direct from one BP  
GEM facility to the designated destination point; from one BP  
GEM facility to the designated destination point via another BP  
GEM facility; from a BP GEM facility to the designated  
destination point via the contractor's facility, or any combination  
thereof. The Non-Hazardous Well Purgewater is and remains the  
property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to  
cover the recovery of Non-Hazardous Well Purgewater from wells  
at the BP GEM Oil Company facility described below:

601

Station #

712 Lowelling Blvd. San Leandro

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

12.0

added equip.

rinse water 3.0

any other

adjustments

**TOTAL GALS.**

**RECOVERED** 15.0

loaded onto

BTS vehicle # 22

BTS event #

030407-RH2

time

date

1245

4/7/07

signature

*[Signature]*

\*\*\*\*\*

REC'D AT

time

date

unloaded by

signature

# WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client Arco 601 Date 4/7/03

Site Address 712 Lemelling Blvd, San Leandro

Job Number 030407-RH2 Technician Ryan H

| Well ID | Well Inspected -<br>No Corrective<br>Action Required | Water Bailed<br>From<br>Wellbox | Wellbox<br>Components<br>Cleaned | Cap<br>Replaced | Lock<br>Replaced | Other Action<br>Taken<br>(explain<br>below) | Well Not<br>Inspected<br>(explain<br>below) | Repair Order<br>Submitted |
|---------|------------------------------------------------------|---------------------------------|----------------------------------|-----------------|------------------|---------------------------------------------|---------------------------------------------|---------------------------|
| mw-1    |                                                      | X                               |                                  |                 |                  |                                             |                                             | X                         |
| mw-2    |                                                      | X                               |                                  |                 |                  |                                             |                                             | X                         |
| mw-3    |                                                      |                                 |                                  |                 |                  |                                             |                                             | X                         |
| mw-4    |                                                      |                                 |                                  |                 |                  |                                             |                                             | X                         |
| mw-5    |                                                      |                                 |                                  |                 |                  |                                             |                                             | X                         |
| mw-6    | X                                                    |                                 |                                  |                 |                  |                                             |                                             |                           |
| mw-7    | X                                                    |                                 |                                  |                 |                  |                                             |                                             |                           |
| mw-8    | X                                                    |                                 |                                  |                 |                  |                                             |                                             |                           |
| mw-9    | <del>X</del>                                         |                                 |                                  |                 |                  |                                             |                                             | X                         |
| mw-10   |                                                      | X                               |                                  |                 |                  |                                             |                                             |                           |
| mw-11   |                                                      |                                 |                                  |                 |                  |                                             |                                             | X                         |
| mw-12   |                                                      | X                               |                                  |                 |                  |                                             |                                             | X                         |
| mw-13   | X                                                    |                                 |                                  |                 |                  |                                             |                                             |                           |
| mw-14   | X                                                    |                                 |                                  |                 |                  |                                             |                                             |                           |
| mw-15   | X                                                    |                                 |                                  |                 |                  |                                             |                                             |                           |
|         |                                                      |                                 |                                  |                 |                  |                                             |                                             |                           |

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**ATTACHMENT B**

**LABORATORY PROCEDURES,  
CERTIFIED ANALYTICAL REPORTS,  
AND CHAIN-OF-CUSTODY RECORDS**

## **LABORATORY PROCEDURES**

---

### **Laboratory Procedures**

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Group Environmental Management Company have been reviewed and verified by that laboratory.



2 May, 2003

Scott Robinson  
URS Corporation  
500 12th Street, Suite 100  
Oakland, CA 94607

RE: ARCO #601, San Leandro, Ca  
Sequoia Work Order: MMD0265

Enclosed are the results of analyses for samples received by the laboratory on 04/08/03 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt  
Project Manager

CA ELAP Certificate #1210



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW-1      | MMD0265-01    | Water  | 04/07/03 11:45 | 04/08/03 16:40 |
| MW-3      | MMD0265-02    | Water  | 04/07/03 12:20 | 04/08/03 16:40 |
| MW-4      | MMD0265-03    | Water  | 04/07/03 11:30 | 04/08/03 16:40 |
| MW-5      | MMD0265-04    | Water  | 04/07/03 11:55 | 04/08/03 16:40 |
| MW-6      | MMD0265-05    | Water  | 04/07/03 10:35 | 04/08/03 16:40 |
| MW-7      | MMD0265-06    | Water  | 04/07/03 10:20 | 04/08/03 16:40 |
| MW-8      | MMD0265-07    | Water  | 04/07/03 10:50 | 04/08/03 16:40 |
| MW-14     | MMD0265-08    | Water  | 04/07/03 10:10 | 04/08/03 16:40 |

There were no custody seals that were received with this project.



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

| Analyte                                                                         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------------------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>MW-1 (MMD0265-01) Water Sampled: 04/07/03 11:45 Received: 04/08/03 16:40</b> |        |                    |       |          |         |          |          |           |       |
| Ethanol                                                                         | ND     | 1000               | ug/l  | 10       | 3D19016 | 04/19/03 | 04/20/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                              | ND     | 200                | "     | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether                                                         | 69     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                              | ND     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                          | ND     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                          | ND     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                              | ND     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                         | ND     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Benzene                                                                         | 940    | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Toluene                                                                         | 6.6    | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                    | 810    | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                 | 11     | 5.0                | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                | 6400   | 500                | "     | "        | "       | "        | "        | "         |       |

Surrogate: 1,2-Dichloroethane-d4 104 % 78-129 " " " "

**MW-3 (MMD0265-02) Water Sampled: 04/07/03 12:20 Received: 04/08/03 16:40**

|                                  |       |       |      |     |         |          |          |           |  |
|----------------------------------|-------|-------|------|-----|---------|----------|----------|-----------|--|
| Ethanol                          | ND    | 10000 | ug/l | 100 | 3D19016 | 04/19/03 | 04/20/03 | EPA 8260B |  |
| tert-Butyl alcohol               | ND    | 2000  | "    | "   | "       | "        | "        | "         |  |
| Methyl tert-butyl ether          | ND    | 50    | "    | "   | "       | "        | "        | "         |  |
| Di-isopropyl ether               | ND    | 50    | "    | "   | "       | "        | "        | "         |  |
| Ethyl tert-butyl ether           | ND    | 50    | "    | "   | "       | "        | "        | "         |  |
| tert-Amyl methyl ether           | ND    | 50    | "    | "   | "       | "        | "        | "         |  |
| 1,2-Dichloroethane               | ND    | 50    | "    | "   | "       | "        | "        | "         |  |
| 1,2-Dibromoethane (EDB)          | ND    | 50    | "    | "   | "       | "        | "        | "         |  |
| Benzene                          | 620   | 50    | "    | "   | "       | "        | "        | "         |  |
| Toluene                          | 450   | 50    | "    | "   | "       | "        | "        | "         |  |
| Ethylbenzene                     | 2200  | 50    | "    | "   | "       | "        | "        | "         |  |
| Xylenes (total)                  | 11000 | 50    | "    | "   | "       | "        | "        | "         |  |
| Gasoline Range Organics (C6-C10) | 48000 | 5000  | "    | "   | "       | "        | "        | "         |  |

Surrogate: 1,2-Dichloroethane-d4 103 % 78-129 " " " "



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

| Analyte                                                                         | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------------------------------------------------------|--------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>MW-4 (MMD0265-03) Water Sampled: 04/07/03 11:30 Received: 04/08/03 16:40</b> |        |                    |        |          |         |          |          |           |       |
| Ethanol                                                                         | ND     | 100                | ug/l   | 1        | 3D20001 | 04/20/03 | 04/20/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                              | ND     | 20                 | "      | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether                                                         | 9.2    | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                              | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                          | 0.61   | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                              | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                         | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Benzene                                                                         | 24     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Toluene                                                                         | 2.4    | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                    | 15     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                 | 62     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                | 310    | 50                 | "      | "        | "       | "        | "        | "         |       |
| Surrogate: 1,2-Dichloroethane-d4                                                |        | 98.2 %             | 78-129 | "        | "       | "        | "        | "         |       |
| <b>MW-5 (MMD0265-04) Water Sampled: 04/07/03 11:55 Received: 04/08/03 16:40</b> |        |                    |        |          |         |          |          |           |       |
| Ethanol                                                                         | ND     | 500                | ug/l   | 5        | 3D20001 | 04/20/03 | 04/20/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                              | ND     | 100                | "      | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether                                                         | 32     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                              | ND     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                          | ND     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                          | 6.3    | 2.5                | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                              | ND     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                         | ND     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Benzene                                                                         | 310    | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Toluene                                                                         | 18     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                    | 36     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                 | 62     | 2.5                | "      | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                | 1600   | 250                | "      | "        | "       | "        | "        | "         |       |
| Surrogate: 1,2-Dichloroethane-d4                                                |        | 102 %              | 78-129 | "        | "       | "        | "        | "         |       |

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

### Volatile Organic Compounds by EPA Method 8260B

#### Sequoia Analytical - Morgan Hill

| Analyte                                                                         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------------------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>MW-6 (MMD0265-05) Water</b> Sampled: 04/07/03 10:35 Received: 04/08/03 16:40 |        |                    |       |          |         |          |          |           |       |
| Ethanol                                                                         | ND     | 100                | ug/l  | 1        | 3D22028 | 04/21/03 | 04/21/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                              | ND     | 20                 | "     | "        | "       | "        | "        | "         | O-09  |
| Methyl tert-butyl ether                                                         | 15     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                              | ND     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                          | ND     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                          | 2.1    | 0.50               | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                              | ND     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                         | ND     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Benzene                                                                         | 13     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Toluene                                                                         | ND     | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                    | 2.7    | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                 | 8.6    | 0.50               | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                | 330    | 50                 | "     | "        | "       | "        | "        | "         |       |

Surrogate: 1,2-Dichloroethane-d4 122 % 78-129 " " " "

#### MW-7 (MMD0265-06) Water Sampled: 04/07/03 10:20 Received: 04/08/03 16:40

|                                  |    |      |      |   |         |          |          |           |  |
|----------------------------------|----|------|------|---|---------|----------|----------|-----------|--|
| Ethanol                          | ND | 100  | ug/l | 1 | 3D20001 | 04/20/03 | 04/20/03 | EPA 8260B |  |
| tert-Butyl alcohol               | ND | 20   | "    | " | "       | "        | "        | "         |  |
| Methyl tert-butyl ether          | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Di-isopropyl ether               | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Ethyl tert-butyl ether           | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| tert-Amyl methyl ether           | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| 1,2-Dichloroethane               | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| 1,2-Dibromoethane (EDB)          | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Benzene                          | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Toluene                          | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Ethylbenzene                     | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Xylenes (total)                  | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Gasoline Range Organics (C6-C10) | ND | 50   | "    | " | "       | "        | "        | "         |  |

Surrogate: 1,2-Dichloroethane-d4 103 % 78-129 " " " "



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Volatile Organic Compounds by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

| Analyte                                                                          | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------------------------------------------------------|--------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>MW-8 (MMD0265-07) Water Sampled: 04/07/03 10:50 Received: 04/08/03 16:40</b>  |        |                    |        |          |         |          |          |           |       |
| Ethanol                                                                          | ND     | 100                | ug/l   | 1        | 3D20001 | 04/20/03 | 04/20/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                               | ND     | 20                 | "      | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether                                                          | 19     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                               | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                           | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                           | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                               | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Benzene                                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Toluene                                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                     | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                  | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                 | ND     | 50                 | "      | "        | "       | "        | "        | "         |       |
| Surrogate: 1,2-Dichloroethane-d4                                                 |        | 102 %              | 78-129 |          | "       | "        | "        | "         |       |
| <b>MW-14 (MMD0265-08) Water Sampled: 04/07/03 10:10 Received: 04/08/03 16:40</b> |        |                    |        |          |         |          |          |           |       |
| Ethanol                                                                          | ND     | 100                | ug/l   | 1        | 3D20001 | 04/20/03 | 04/20/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                               | ND     | 20                 | "      | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                               | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                           | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                           | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                               | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Benzene                                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Toluene                                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                     | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                  | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                 | ND     | 50                 | "      | "        | "       | "        | "        | "         |       |
| Surrogate: 1,2-Dichloroethane-d4                                                 |        | 103 %              | 78-129 |          | "       | "        | "        | "         |       |



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Sequoia Analytical - Morgan Hill**

| Analyte                                                                         | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------------------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>MW-1 (MMD0265-01) Water Sampled: 04/07/03 11:45 Received: 04/08/03 16:40</b> |        |                    |       |          |         |          |          |           |       |
| Acenaphthene                                                                    | ND     | 4.8                | ug/l  | 1        | 3D11031 | 04/11/03 | 04/25/03 | EPA 8270C |       |
| Acenaphthylene                                                                  | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Anthracene                                                                      | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Benzoic acid                                                                    | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Benzo (a) anthracene                                                            | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Benzo (b) fluoranthene                                                          | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Benzo (k) fluoranthene                                                          | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Benzo (ghi) perylene                                                            | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Benzo (a) pyrene                                                                | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Benzyl alcohol                                                                  | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Bis(2-chloroethoxy)methane                                                      | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Bis(2-chloroethyl)ether                                                         | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Bis(2-chloroisopropyl)ether                                                     | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Bis(2-ethylhexyl)phthalate                                                      | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| 4-Bromophenyl phenyl ether                                                      | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Butyl benzyl phthalate                                                          | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 4-Chloroaniline                                                                 | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 2-Chloronaphthalene                                                             | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 4-Chloro-3-methylphenol                                                         | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 2-Chlorophenol                                                                  | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 4-Chlorophenyl phenyl ether                                                     | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Chrysene                                                                        | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Dibenz (a,h) anthracene                                                         | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Dibenzofuran                                                                    | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Di-n-butyl phthalate                                                            | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene                                                             | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene                                                             | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene                                                             | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| 3,3'-Dichlorobenzidine                                                          | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 2,4-Dichlorophenol                                                              | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Diethyl phthalate                                                               | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 2,4-Dimethylphenol                                                              | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Dimethyl phthalate                                                              | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 4,6-Dinitro-2-methylphenol                                                      | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 2,4-Dinitrophenol                                                               | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| 2,4-Dinitrotoluene                                                              | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| 2,6-Dinitrotoluene                                                              | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Di-n-octyl phthalate                                                            | ND     | 9.6                | "     | "        | "       | "        | "        | "         |       |
| Fluoranthene                                                                    | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |
| Fluorene                                                                        | ND     | 4.8                | "     | "        | "       | "        | "        | "         |       |

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

## Semivolatile Organic Compounds by EPA Method 8270C

### Sequoia Analytical - Morgan Hill

| Analyte                                                                         | Result     | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---------------------------------------------------------------------------------|------------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>MW-1 (MMD0265-01) Water Sampled: 04/07/03 11:45 Received: 04/08/03 16:40</b> |            |                    |        |          |         |          |          |           |       |
| Hexachlorobenzene                                                               | ND         | 4.8                | ug/l   | 1        | 3D11031 | 04/11/03 | 04/25/03 | EPA 8270C |       |
| Hexachlorobutadiene                                                             | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| Hexachlorocyclopentadiene                                                       | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| Hexachloroethane                                                                | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| Indeno (1,2,3-cd) pyrene                                                        | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| Isophorone                                                                      | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| <b>2-Methylnaphthalene</b>                                                      | <b>260</b> | 48                 | "      | 10       | "       | "        | 04/24/03 | "         |       |
| 2-Methylphenol                                                                  | ND         | 4.8                | "      | 1        | "       | "        | 04/25/03 | "         |       |
| 4-Methylphenol                                                                  | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| <b>Naphthalene</b>                                                              | <b>700</b> | 48                 | "      | 10       | "       | "        | 04/24/03 | "         |       |
| 2-Nitroaniline                                                                  | ND         | 9.6                | "      | 1        | "       | "        | 04/25/03 | "         |       |
| 3-Nitroaniline                                                                  | ND         | 96                 | "      | "        | "       | "        | "        | "         |       |
| 4-Nitroaniline                                                                  | ND         | 48                 | "      | "        | "       | "        | "        | "         |       |
| Nitrobenzene                                                                    | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| 2-Nitrophenol                                                                   | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| 4-Nitrophenol                                                                   | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| N-Nitrosodiphenylamine                                                          | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| N-Nitrosodi-n-propylamine                                                       | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| Pentachlorophenol                                                               | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| Phenanthrene                                                                    | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| Phenol                                                                          | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| Pyrene                                                                          | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene                                                          | ND         | 9.6                | "      | "        | "       | "        | "        | "         |       |
| 2,4,5-Trichlorophenol                                                           | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| 2,4,6-Trichlorophenol                                                           | ND         | 4.8                | "      | "        | "       | "        | "        | "         |       |
| Surrogate: 2-Fluorophenol                                                       |            | 45.6 %             | 43-74  |          | "       | "        | "        | "         |       |
| Surrogate: Phenol-d6                                                            |            | 34.1 %             | 24-52  |          | "       | "        | "        | "         |       |
| Surrogate: Nitrobenzene-d5                                                      |            | 74.7 %             | 66-107 |          | "       | "        | "        | "         |       |
| Surrogate: 2-Fluorobiphenyl                                                     |            | 65.9 %             | 61-115 |          | "       | "        | "        | "         |       |
| Surrogate: 2,4,6-Tribromophenol                                                 |            | 81.4 %             | 46-127 |          | "       | "        | "        | "         |       |
| Surrogate: p-Terphenyl-d14                                                      |            | 93.3 %             | 63-121 |          | "       | "        | "        | "         |       |



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Sequoia Analytical - Morgan Hill

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

#### Batch 3D19016 - EPA 5030B P/T

##### Blank (3D19016-BLK1)

Prepared & Analyzed: 04/19/03

|                                  |    |      |      |  |  |  |  |  |  |  |
|----------------------------------|----|------|------|--|--|--|--|--|--|--|
| Ethanol                          | ND | 100  | ug/l |  |  |  |  |  |  |  |
| tert-Butyl alcohol               | ND | 20   | "    |  |  |  |  |  |  |  |
| Methyl tert-butyl ether          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Di-isopropyl ether               | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Ethyl tert-butyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |  |
| tert-Amyl methyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |  |
| 1,2-Dichloroethane               | ND | 0.50 | "    |  |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Benzene                          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Toluene                          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Ethylbenzene                     | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Xylenes (total)                  | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Gasoline Range Organics (C6-C10) | ND | 50   | "    |  |  |  |  |  |  |  |

Surrogate: 1,2-Dichloroethane-d4 4.99 " 5.00 99.8 78-129

##### Laboratory Control Sample (3D19016-BS1)

Prepared & Analyzed: 04/19/03

|                         |      |      |      |      |  |      |        |
|-------------------------|------|------|------|------|--|------|--------|
| Methyl tert-butyl ether | 9.51 | 0.50 | ug/l | 10.0 |  | 95.1 | 63-137 |
| Benzene                 | 9.72 | 0.50 | "    | 10.0 |  | 97.2 | 78-124 |
| Toluene                 | 10.3 | 0.50 | "    | 10.0 |  | 103  | 78-129 |

Surrogate: 1,2-Dichloroethane-d4 5.18 " 5.00 104 78-129

##### Laboratory Control Sample (3D19016-BS2)

Prepared & Analyzed: 04/19/03

|                                  |      |      |      |      |  |      |        |
|----------------------------------|------|------|------|------|--|------|--------|
| Methyl tert-butyl ether          | 8.49 | 0.50 | ug/l | 9.04 |  | 93.9 | 63-137 |
| Benzene                          | 5.43 | 0.50 | "    | 5.44 |  | 99.8 | 78-124 |
| Toluene                          | 34.5 | 0.50 | "    | 32.8 |  | 105  | 78-129 |
| Gasoline Range Organics (C6-C10) | 386  | 50   | "    | 440  |  | 87.7 | 70-113 |

Surrogate: 1,2-Dichloroethane-d4 5.18 " 5.00 104 78-129



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
Sequoia Analytical - Morgan Hill**

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

**Batch 3D19016 - EPA 5030B P/T**

**Matrix Spike (3D19016-MS1)**

Source: MMD0323-05

Prepared & Analyzed: 04/19/03

|                                  |       |      |      |       |     |      |        |  |  |  |
|----------------------------------|-------|------|------|-------|-----|------|--------|--|--|--|
| Methyl tert-butyl ether          | 1100  | 25   | ug/l | 452   | 710 | 86.3 | 63-137 |  |  |  |
| Benzene                          | 308   | 25   | "    | 272   | 30  | 102  | 78-124 |  |  |  |
| Toluene                          | 1760  | 25   | "    | 1640  | ND  | 107  | 78-129 |  |  |  |
| Gasoline Range Organics (C6-C10) | 20900 | 2500 | "    | 22000 | 770 | 91.5 | 70-113 |  |  |  |

Surrogate: 1,2-Dichloroethane-d4      5.10      "      5.00      102      78-129

**Matrix Spike Dup (3D19016-MSD1)**

Source: MMD0323-05

Prepared & Analyzed: 04/19/03

|                                  |       |      |      |       |     |      |        |      |    |       |
|----------------------------------|-------|------|------|-------|-----|------|--------|------|----|-------|
| Methyl tert-butyl ether          | 1010  | 25   | ug/l | 452   | 710 | 66.4 | 63-137 | 8.53 | 13 |       |
| Benzene                          | 276   | 25   | "    | 272   | 30  | 90.4 | 78-124 | 11.0 | 12 |       |
| Toluene                          | 1590  | 25   | "    | 1640  | ND  | 97.0 | 78-129 | 10.1 | 10 | QR-02 |
| Gasoline Range Organics (C6-C10) | 18600 | 2500 | "    | 22000 | 770 | 81.0 | 70-113 | 11.6 | 9  | QR-02 |

Surrogate: 1,2-Dichloroethane-d4      4.94      "      5.00      98.8      78-129

**Batch 3D20001 - EPA 5030B P/T**

**Blank (3D20001-BLK1)**

Prepared & Analyzed: 04/20/03

|                                  |    |      |      |  |  |  |  |  |  |  |
|----------------------------------|----|------|------|--|--|--|--|--|--|--|
| Ethanol                          | ND | 100  | ug/l |  |  |  |  |  |  |  |
| tert-Butyl alcohol               | ND | 20   | "    |  |  |  |  |  |  |  |
| Methyl tert-butyl ether          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Di-isopropyl ether               | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Ethyl tert-butyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |  |
| tert-Amyl methyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |  |
| 1,2-Dichloroethane               | ND | 0.50 | "    |  |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Benzene                          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Toluene                          | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Ethylbenzene                     | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Xylenes (total)                  | ND | 0.50 | "    |  |  |  |  |  |  |  |
| Gasoline Range Organics (C6-C10) | ND | 50   | "    |  |  |  |  |  |  |  |

Surrogate: 1,2-Dichloroethane-d4      4.71      "      5.00      94.2      78-129

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Sequoia Analytical - Morgan Hill

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

#### Batch 3D20001 - EPA 5030B P/T

##### Laboratory Control Sample (3D20001-BS1)

Prepared & Analyzed: 04/20/03

|                         |      |      |      |      |  |     |        |  |  |  |
|-------------------------|------|------|------|------|--|-----|--------|--|--|--|
| Methyl tert-butyl ether | 10.0 | 0.50 | ug/l | 10.0 |  | 100 | 63-137 |  |  |  |
| Benzene                 | 10.1 | 0.50 | "    | 10.0 |  | 101 | 78-124 |  |  |  |
| Toluene                 | 10.7 | 0.50 | "    | 10.0 |  | 107 | 78-129 |  |  |  |

|                                  |      |  |   |      |  |     |        |  |  |  |
|----------------------------------|------|--|---|------|--|-----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 5.23 |  | " | 5.00 |  | 105 | 78-129 |  |  |  |
|----------------------------------|------|--|---|------|--|-----|--------|--|--|--|

##### Laboratory Control Sample (3D20001-BS2)

Prepared & Analyzed: 04/20/03

|                                  |      |      |      |      |  |      |        |  |  |  |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Methyl tert-butyl ether          | 8.63 | 0.50 | ug/l | 9.04 |  | 95.5 | 63-137 |  |  |  |
| Benzene                          | 5.47 | 0.50 | "    | 5.44 |  | 101  | 78-124 |  |  |  |
| Toluene                          | 34.2 | 0.50 | "    | 32.8 |  | 104  | 78-129 |  |  |  |
| Gasoline Range Organics (C6-C10) | 394  | 50   | "    | 440  |  | 89.5 | 70-113 |  |  |  |

|                                  |      |  |   |      |  |     |        |  |  |  |
|----------------------------------|------|--|---|------|--|-----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 5.14 |  | " | 5.00 |  | 103 | 78-129 |  |  |  |
|----------------------------------|------|--|---|------|--|-----|--------|--|--|--|

##### Matrix Spike (3D20001-MS1)

Source: MMD0265-04

Prepared & Analyzed: 04/20/03

|                                  |      |     |      |      |      |      |        |  |  |       |
|----------------------------------|------|-----|------|------|------|------|--------|--|--|-------|
| Methyl tert-butyl ether          | 73.8 | 2.5 | ug/l | 45.2 | 32   | 92.5 | 63-137 |  |  |       |
| Benzene                          | 377  | 2.5 | "    | 27.2 | 310  | 246  | 78-124 |  |  | QM-4X |
| Toluene                          | 194  | 2.5 | "    | 164  | 18   | 107  | 78-129 |  |  |       |
| Gasoline Range Organics (C6-C10) | 3730 | 250 | "    | 2200 | 1600 | 96.8 | 70-113 |  |  |       |

|                                  |      |  |   |      |  |      |        |  |  |  |
|----------------------------------|------|--|---|------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 4.99 |  | " | 5.00 |  | 99.8 | 78-129 |  |  |  |
|----------------------------------|------|--|---|------|--|------|--------|--|--|--|

##### Matrix Spike Dup (3D20001-MSD1)

Source: MMD0265-04

Prepared & Analyzed: 04/20/03

|                                  |      |     |      |      |      |      |        |      |    |       |
|----------------------------------|------|-----|------|------|------|------|--------|------|----|-------|
| Methyl tert-butyl ether          | 72.4 | 2.5 | ug/l | 45.2 | 32   | 89.4 | 63-137 | 1.92 | 13 |       |
| Benzene                          | 372  | 2.5 | "    | 27.2 | 310  | 228  | 78-124 | 1.34 | 12 | QM-4X |
| Toluene                          | 190  | 2.5 | "    | 164  | 18   | 105  | 78-129 | 2.08 | 10 |       |
| Gasoline Range Organics (C6-C10) | 3680 | 250 | "    | 2200 | 1600 | 94.5 | 70-113 | 1.35 | 9  |       |

|                                  |      |  |   |      |  |      |        |  |  |  |
|----------------------------------|------|--|---|------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 4.92 |  | " | 5.00 |  | 98.4 | 78-129 |  |  |  |
|----------------------------------|------|--|---|------|--|------|--------|--|--|--|

#### Batch 3D22028 - EPA 5035

##### Blank (3D22028-BLK1)

Prepared & Analyzed: 04/21/03

|                    |    |     |      |  |  |  |  |  |  |      |
|--------------------|----|-----|------|--|--|--|--|--|--|------|
| Ethanol            | ND | 100 | ug/l |  |  |  |  |  |  |      |
| tert-Butyl alcohol | ND | 20  | "    |  |  |  |  |  |  | O-09 |

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

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

**Batch 3D22028 - EPA 5035**

**Blank (3D22028-BLK1)**

Prepared & Analyzed: 04/21/03

|                                  |    |      |      |  |  |  |  |  |  |
|----------------------------------|----|------|------|--|--|--|--|--|--|
| Methyl tert-butyl ether          | ND | 0.50 | ug/l |  |  |  |  |  |  |
| Di-isopropyl ether               | ND | 0.50 | "    |  |  |  |  |  |  |
| Ethyl tert-butyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |
| tert-Amyl methyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |
| 1,2-Dichloroethane               | ND | 0.50 | "    |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)          | ND | 0.50 | "    |  |  |  |  |  |  |
| Benzene                          | ND | 0.50 | "    |  |  |  |  |  |  |
| Toluene                          | ND | 0.50 | "    |  |  |  |  |  |  |
| Ethylbenzene                     | ND | 0.50 | "    |  |  |  |  |  |  |
| Xylenes (total)                  | ND | 0.50 | "    |  |  |  |  |  |  |
| Gasoline Range Organics (C6-C10) | ND | 50   | "    |  |  |  |  |  |  |

Surrogate: 1,2-Dichloroethane-d4      5.87      "      5.00      117      78-129

**Laboratory Control Sample (3D22028-BS1)**

Prepared & Analyzed: 04/21/03

|                         |      |      |      |      |  |      |        |  |      |
|-------------------------|------|------|------|------|--|------|--------|--|------|
| tert-Butyl alcohol      | 297  | 20   | ug/l | 200  |  | 148  | 0-206  |  | O-09 |
| Methyl tert-butyl ether | 10.1 | 0.50 | "    | 10.0 |  | 101  | 63-137 |  |      |
| Benzene                 | 9.69 | 0.50 | "    | 10.0 |  | 96.9 | 78-124 |  |      |
| Toluene                 | 8.59 | 0.50 | "    | 10.0 |  | 85.9 | 78-129 |  |      |

Surrogate: 1,2-Dichloroethane-d4      5.51      "      5.00      110      78-129

**Laboratory Control Sample (3D22028-BS2)**

Prepared & Analyzed: 04/21/03

|                                  |      |      |      |      |  |      |        |  |  |
|----------------------------------|------|------|------|------|--|------|--------|--|--|
| Methyl tert-butyl ether          | 9.27 | 0.50 | ug/l | 9.04 |  | 103  | 63-137 |  |  |
| Benzene                          | 5.29 | 0.50 | "    | 5.44 |  | 97.2 | 78-124 |  |  |
| Toluene                          | 27.3 | 0.50 | "    | 32.8 |  | 83.2 | 78-129 |  |  |
| Gasoline Range Organics (C6-C10) | 407  | 50   | "    | 440  |  | 92.5 | 70-113 |  |  |

Surrogate: 1,2-Dichloroethane-d4      5.61      "      5.00      112      78-129

**Matrix Spike (3D22028-MS1)**

Source: MMD0340-01

Prepared & Analyzed: 04/21/03

|                                  |      |      |      |      |      |      |        |  |  |
|----------------------------------|------|------|------|------|------|------|--------|--|--|
| Methyl tert-butyl ether          | 14.9 | 0.50 | ug/l | 9.04 | 5.9  | 99.6 | 63-137 |  |  |
| Benzene                          | 5.73 | 0.50 | "    | 5.44 | 0.51 | 96.0 | 78-124 |  |  |
| Toluene                          | 27.4 | 0.50 | "    | 32.8 | ND   | 83.5 | 78-129 |  |  |
| Gasoline Range Organics (C6-C10) | 514  | 50   | "    | 440  | 140  | 85.0 | 70-113 |  |  |

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

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

**Batch 3D22028 - EPA 5035**

**Matrix Spike (3D22028-MS1)** Source: MMD0340-01 Prepared & Analyzed: 04/21/03

|                                  |      |  |      |      |  |     |        |  |  |  |
|----------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 5.94 |  | ug/l | 5.00 |  | 119 | 78-129 |  |  |  |
|----------------------------------|------|--|------|------|--|-----|--------|--|--|--|

**Matrix Spike Dup (3D22028-MSD1)** Source: MMD0340-01 Prepared & Analyzed: 04/21/03

|                                  |      |      |      |      |      |      |        |      |    |       |
|----------------------------------|------|------|------|------|------|------|--------|------|----|-------|
| Methyl tert-butyl ether          | 14.2 | 0.50 | ug/l | 9.04 | 5.9  | 91.8 | 63-137 | 4.81 | 13 |       |
| Benzene                          | 5.60 | 0.50 | "    | 5.44 | 0.51 | 93.6 | 78-124 | 2.29 | 12 |       |
| Toluene                          | 26.4 | 0.50 | "    | 32.8 | ND   | 80.5 | 78-129 | 3.72 | 10 |       |
| Gasoline Range Organics (C6-C10) | 788  | 50   | "    | 440  | 140  | 147  | 70-113 | 42.1 | 9  | QR-07 |

|                                  |      |  |   |      |  |     |        |  |  |  |
|----------------------------------|------|--|---|------|--|-----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 5.85 |  | " | 5.00 |  | 117 | 78-129 |  |  |  |
|----------------------------------|------|--|---|------|--|-----|--------|--|--|--|



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Sequoia Analytical - Morgan Hill**

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

**Batch 3D11031 - EPA 3510C SepFunnel**

**Blank (3D11031-BLK1)**

Prepared: 04/11/03 Analyzed: 04/23/03

|                             |    |     |      |
|-----------------------------|----|-----|------|
| Acenaphthene                | ND | 5.0 | ug/l |
| Acenaphthylene              | ND | 5.0 | "    |
| Anthracene                  | ND | 5.0 | "    |
| Benzoic acid                | ND | 10  | "    |
| Benzo (a) anthracene        | ND | 5.0 | "    |
| Benzo (b) fluoranthene      | ND | 5.0 | "    |
| Benzo (k) fluoranthene      | ND | 5.0 | "    |
| Benzo (ghi) perylene        | ND | 10  | "    |
| Benzo (a) pyrene            | ND | 5.0 | "    |
| Benzyl alcohol              | ND | 10  | "    |
| Bis(2-chloroethoxy)methane  | ND | 5.0 | "    |
| Bis(2-chloroethyl)ether     | ND | 10  | "    |
| Bis(2-chloroisopropyl)ether | ND | 5.0 | "    |
| Bis(2-ethylhexyl)phthalate  | ND | 10  | "    |
| 4-Bromophenyl phenyl ether  | ND | 5.0 | "    |
| Butyl benzyl phthalate      | ND | 5.0 | "    |
| 4-Chloroaniline             | ND | 50  | "    |
| 2-Chloronaphthalene         | ND | 5.0 | "    |
| 4-Chloro-3-methylphenol     | ND | 5.0 | "    |
| 2-Chlorophenol              | ND | 5.0 | "    |
| 4-Chlorophenyl phenyl ether | ND | 10  | "    |
| Chrysene                    | ND | 5.0 | "    |
| Dibenz (a,h) anthracene     | ND | 5.0 | "    |
| Dibenzofuran                | ND | 5.0 | "    |
| Di-n-butyl phthalate        | ND | 5.0 | "    |
| 1,2-Dichlorobenzene         | ND | 10  | "    |
| 1,3-Dichlorobenzene         | ND | 10  | "    |
| 1,4-Dichlorobenzene         | ND | 10  | "    |
| 3,3'-Dichlorobenzidine      | ND | 50  | "    |
| 2,4-Dichlorophenol          | ND | 5.0 | "    |
| Diethyl phthalate           | ND | 5.0 | "    |
| 2,4-Dimethylphenol          | ND | 10  | "    |
| Dimethyl phthalate          | ND | 5.0 | "    |
| 4,6-Dinitro-2-methylphenol  | ND | 5.0 | "    |
| 2,4-Dinitrophenol           | ND | 10  | "    |
| 2,4-Dinitrotoluene          | ND | 5.0 | "    |

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Sequoia Analytical - Morgan Hill**

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

**Batch 3D11031 - EPA 3510C SepFunnel**

**Blank (3D11031-BLK1)**

Prepared: 04/11/03 Analyzed: 04/23/03

|                           |    |     |      |
|---------------------------|----|-----|------|
| 2,6-Dinitrotoluene        | ND | 5.0 | ug/l |
| Di-n-octyl phthalate      | ND | 10  | "    |
| Fluoranthene              | ND | 5.0 | "    |
| Fluorene                  | ND | 5.0 | "    |
| Hexachlorobenzene         | ND | 5.0 | "    |
| Hexachlorobutadiene       | ND | 10  | "    |
| Hexachlorocyclopentadiene | ND | 10  | "    |
| Hexachloroethane          | ND | 10  | "    |
| Indeno (1,2,3-cd) pyrene  | ND | 10  | "    |
| Isophorone                | ND | 5.0 | "    |
| 2-Methylnaphthalene       | ND | 5.0 | "    |
| 2-Methylphenol            | ND | 5.0 | "    |
| 4-Methylphenol            | ND | 5.0 | "    |
| Naphthalene               | ND | 5.0 | "    |
| 2-Nitroaniline            | ND | 10  | "    |
| 3-Nitroaniline            | ND | 100 | "    |
| 4-Nitroaniline            | ND | 50  | "    |
| Nitrobenzene              | ND | 5.0 | "    |
| 2-Nitrophenol             | ND | 5.0 | "    |
| 4-Nitrophenol             | ND | 10  | "    |
| N-Nitrosodiphenylamine    | ND | 10  | "    |
| N-Nitrosodi-n-propylamine | ND | 5.0 | "    |
| Pentachlorophenol         | ND | 10  | "    |
| Phenanthrene              | ND | 5.0 | "    |
| Phenol                    | ND | 5.0 | "    |
| Pyrene                    | ND | 5.0 | "    |
| 1,2,4-Trichlorobenzene    | ND | 10  | "    |
| 2,4,5-Trichlorophenol     | ND | 5.0 | "    |
| 2,4,6-Trichlorophenol     | ND | 5.0 | "    |

|                                 |      |   |      |      |        |
|---------------------------------|------|---|------|------|--------|
| Surrogate: 2-Fluorophenol       | 26.0 | " | 50.0 | 52.0 | 43-74  |
| Surrogate: Phenol-d6            | 16.4 | " | 50.0 | 32.8 | 24-52  |
| Surrogate: Nitrobenzene-d5      | 42.0 | " | 50.0 | 84.0 | 66-107 |
| Surrogate: 2-Fluorobiphenyl     | 48.2 | " | 50.0 | 96.4 | 61-115 |
| Surrogate: 2,4,6-Tribromophenol | 43.5 | " | 50.0 | 87.0 | 46-127 |
| Surrogate: p-Terphenyl-d14      | 43.2 | " | 50.0 | 86.4 | 63-121 |

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Sequoia Analytical - Morgan Hill**

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

**Batch 3D11031 - EPA 3510C SepFunnel**

**Blank (3D11031-BLK1)**

Prepared: 04/11/03 Analyzed: 04/23/03

**Laboratory Control Sample (3D11031-BS1)**

Prepared: 04/11/03 Analyzed: 04/23/03

|                           |      |     |      |      |  |      |        |  |  |  |
|---------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Acenaphthene              | 44.5 | 5.0 | ug/l | 50.0 |  | 89.0 | 76-102 |  |  |  |
| 4-Chloro-3-methylphenol   | 46.0 | 5.0 | "    | 50.0 |  | 92.0 | 83-120 |  |  |  |
| 2-Chlorophenol            | 39.5 | 5.0 | "    | 50.0 |  | 79.0 | 70-102 |  |  |  |
| 1,4-Dichlorobenzene       | 36.7 | 10  | "    | 50.0 |  | 73.4 | 60-91  |  |  |  |
| 2,4-Dinitrotoluene        | 46.6 | 5.0 | "    | 50.0 |  | 93.2 | 80-104 |  |  |  |
| 4-Nitrophenol             | 22.8 | 10  | "    | 50.0 |  | 45.6 | 19-52  |  |  |  |
| N-Nitrosodi-n-propylamine | 37.5 | 5.0 | "    | 50.0 |  | 75.0 | 53-122 |  |  |  |
| Pentachlorophenol         | 49.6 | 10  | "    | 50.0 |  | 99.2 | 59-111 |  |  |  |
| Phenol                    | 20.2 | 5.0 | "    | 50.0 |  | 40.4 | 30-53  |  |  |  |
| Pyrene                    | 41.8 | 5.0 | "    | 50.0 |  | 83.6 | 78-115 |  |  |  |
| 1,2,4-Trichlorobenzene    | 41.3 | 10  | "    | 50.0 |  | 82.6 | 70-100 |  |  |  |

|                                 |      |  |   |      |  |      |        |  |  |  |
|---------------------------------|------|--|---|------|--|------|--------|--|--|--|
| Surrogate: 2-Fluorophenol       | 28.0 |  | " | 50.0 |  | 56.0 | 43-74  |  |  |  |
| Surrogate: Phenol-d6            | 19.2 |  | " | 50.0 |  | 38.4 | 24-52  |  |  |  |
| Surrogate: Nitrobenzene-d5      | 39.7 |  | " | 50.0 |  | 79.4 | 66-107 |  |  |  |
| Surrogate: 2-Fluorobiphenyl     | 45.9 |  | " | 50.0 |  | 91.8 | 61-115 |  |  |  |
| Surrogate: 2,4,6-Tribromophenol | 46.7 |  | " | 50.0 |  | 93.4 | 46-127 |  |  |  |
| Surrogate: p-Terphenyl-d14      | 41.6 |  | " | 50.0 |  | 83.2 | 63-121 |  |  |  |

**Laboratory Control Sample Dup (3D11031-BS1)**

Prepared: 04/11/03 Analyzed: 04/24/03

|                           |      |     |      |      |  |      |        |       |    |       |
|---------------------------|------|-----|------|------|--|------|--------|-------|----|-------|
| Acenaphthene              | 50.4 | 5.0 | ug/l | 50.0 |  | 101  | 76-102 | 12.4  | 21 |       |
| 4-Chloro-3-methylphenol   | 52.1 | 5.0 | "    | 50.0 |  | 104  | 83-120 | 12.4  | 19 |       |
| 2-Chlorophenol            | 42.0 | 5.0 | "    | 50.0 |  | 84.0 | 70-102 | 6.13  | 26 |       |
| 1,4-Dichlorobenzene       | 38.8 | 10  | "    | 50.0 |  | 77.6 | 60-91  | 5.56  | 21 |       |
| 2,4-Dinitrotoluene        | 53.7 | 5.0 | "    | 50.0 |  | 107  | 80-104 | 14.2  | 30 | Q-29  |
| 4-Nitrophenol             | 25.2 | 10  | "    | 50.0 |  | 50.4 | 19-52  | 10.0  | 30 |       |
| N-Nitrosodi-n-propylamine | 42.0 | 5.0 | "    | 50.0 |  | 84.0 | 53-122 | 11.3  | 30 |       |
| Pentachlorophenol         | 49.9 | 10  | "    | 50.0 |  | 99.8 | 59-111 | 0.603 | 39 |       |
| Phenol                    | 24.0 | 5.0 | "    | 50.0 |  | 48.0 | 30-53  | 17.2  | 18 |       |
| Pyrene                    | 48.8 | 5.0 | "    | 50.0 |  | 97.6 | 78-115 | 15.5  | 15 | QR-02 |
| 1,2,4-Trichlorobenzene    | 43.4 | 10  | "    | 50.0 |  | 86.8 | 70-100 | 4.96  | 21 |       |
| Surrogate: 2-Fluorophenol | 27.8 |     | "    | 50.0 |  | 55.6 | 43-74  |       |    |       |
| Surrogate: Phenol-d6      | 19.6 |     | "    | 50.0 |  | 39.2 | 24-52  |       |    |       |

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
Reported:  
05/02/03 10:42

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Sequoia Analytical - Morgan Hill**

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

**Batch 3D11031 - EPA 3510C SepFunnel**

**Laboratory Control Sample Dup (3D11031-BSD1)**

Prepared: 04/11/03 Analyzed: 04/24/03

|                                 |      |  |      |      |  |      |        |  |  |  |
|---------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Surrogate: Nitrobenzene-d5      | 43.3 |  | ug/l | 50.0 |  | 86.6 | 66-107 |  |  |  |
| Surrogate: 2-Fluorobiphenyl     | 50.0 |  | "    | 50.0 |  | 100  | 61-115 |  |  |  |
| Surrogate: 2,4,6-Tribromophenol | 53.0 |  | "    | 50.0 |  | 106  | 46-127 |  |  |  |
| Surrogate: p-Terphenyl-d14      | 49.1 |  | "    | 50.0 |  | 98.2 | 63-121 |  |  |  |



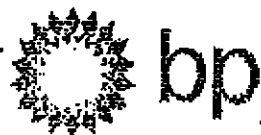
URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0265  
**Reported:**  
05/02/03 10:42

### Notes and Definitions

- O-09 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
- Q-29 The percent recovery in the quality control analyte exceeded the upper control limit. Because there was no detectable amount of this compound in the associated sample, the result has been reported.
- QM-4X The spike recovery was outside of control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QR-02 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QR-07 The RPD was outside control limits. The results may still be useful for their intended purpose.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



# Chain of Custody Record

Page 1 of 1 **K5**

Project Name \_\_\_\_\_  
BP BU/GEM CO Portfolio: \_\_\_\_\_  
BP Laboratory Contract Number: \_\_\_\_\_

Date: 4/1/03

Requested Due Date (mm/dd/yy) \_\_\_\_\_

**MMD0265**

|                        |            |
|------------------------|------------|
| On-site Time:          | Temp:      |
| Off-site Time:         | Temp:      |
| Sky Conditions:        |            |
| Meteorological Events: |            |
| Wind Speed:            | Direction: |

|                                                      |                                                              |                                                          |
|------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|
| Send To:                                             | BP/GEM Facility No.:                                         | Consultant/Contractor:                                   |
| Lab Name: SEQUOIA                                    | BP/GEM Facility Address: 712 Lewelling Blvd, San Leandro, CA | Address: 500 12th St, Ste. 200                           |
| Lab Address: 885 Jarvis Dr.<br>Morgan Hill, CA 95037 | Site ID No. ARCO 601                                         | Oakland, CA 94609-4014                                   |
|                                                      | Site Lat/Long:                                               | e-mail RDD: syed_rehan@urscorp.com                       |
|                                                      | California Global ID #: T0600100108                          | Consultant/Contractor Project No.: J5-00000601.01 00427  |
| Lab PM: Lafanya Pelt                                 | BP/GEM PM Contact: PAUL SUPPLE                               | Consultant Tele/Fax: 510-874-1735/510-874-3268           |
| Tele/Fax: 408-776-9600 / 408-782-8308                | Address:                                                     | Consultant/Contractor PM: Scott Robinson                 |
| Report Type & QC Level: Send RDP Reports             |                                                              | Invoice to: Consultant/Contractor or BP/GEM (circle one) |
| BP/GEM Account No.:                                  | Tele/Fax:                                                    | BP/GEM Work Release No: INTRIM -50677                    |

| Lab Bottle Order No: |                    |      | Matrix     |              |           |     | Laboratory No. | Preservatives |                                |                  |     | Requested Analysis               |              |             |                                     |                         |                | Sample Point Lat/Long and Comments |
|----------------------|--------------------|------|------------|--------------|-----------|-----|----------------|---------------|--------------------------------|------------------|-----|----------------------------------|--------------|-------------|-------------------------------------|-------------------------|----------------|------------------------------------|
| Item No.             | Sample Description | Time | Soil/Solid | Water/Liquid | Sediments | Air |                | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | TPH-G / BTEX<br>(8015/8021/8260) | TPH-D (8015) | MTBE (8021) | MTBE, TAME, ETBE<br>DPE, TEA (8260) | 1,2-DCA & EDB<br>(8260) | By Anal (8260) |                                    |
| 1                    | mw-1               | 1145 | X          |              |           |     | 01             | 5             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 2                    | mw-3               | 1220 | X          |              |           |     | 02             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 3                    | mw-4               | 1430 | X          |              |           |     | 03             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 4                    | mw-5               | 1155 | X          |              |           |     | 04             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 5                    | mw-6               | 1235 | X          |              |           |     | 05             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 6                    | mw-7               | 1020 | X          |              |           |     | 06             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 7                    | mw-8               | 1050 | X          |              |           |     | 07             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 8                    | mw-14              | 1010 | X          |              |           |     | 08             | 3             |                                |                  |     | X                                |              |             | X                                   | X                       | X              |                                    |
| 9                    |                    |      |            |              |           |     |                |               |                                |                  |     |                                  |              |             |                                     |                         |                |                                    |
| 10                   |                    |      |            |              |           |     |                |               |                                |                  |     |                                  |              |             |                                     |                         |                |                                    |

|                                |                                              |                     |                   |                                               |                     |                   |
|--------------------------------|----------------------------------------------|---------------------|-------------------|-----------------------------------------------|---------------------|-------------------|
| Sampler's Name: Ryan Hanstedt  | Relinquished By / Affiliation: <u>3/1/03</u> | Date: <u>4/8/03</u> | Time: <u>1145</u> | Accepted By / Affiliation: <u>[Signature]</u> | Date: <u>4/8/03</u> | Time: <u>1145</u> |
| Sampler's Company: Blaine Tech | <u>[Signature]</u>                           | <u>4/8/03</u>       | <u>1640</u>       | <u>[Signature]</u>                            | <u>4/8/03</u>       | <u>1640</u>       |
| Shipment Date:                 |                                              |                     |                   |                                               |                     |                   |
| Shipment Method:               |                                              |                     |                   |                                               |                     |                   |
| Shipment Tracking No:          |                                              |                     |                   |                                               |                     |                   |

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

dry Seals In Place Yes No ☒ Temperature Blank Yes No ☒ Cooler Temperature on Receipt 6.2 °C Trip Blank Yes No ☒

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP LAB  
 REC. BY (PRINT) JS/KT  
 WORKORDER: MND0245

DATE REC'D AT LAB: 04/08/03  
 TIME REC'D AT LAB: 1640  
 DATE LOGGED IN: 4-9-03

Drinking water for  
 regulatory purposes: YES ☒ NO ☐  
 Wastewater for  
 regulatory purposes: YES ☒ NO ☐

| CIRCLE THE APPROPRIATE RESPONSE                                                           |                                                   | LAB<br>SAMPLE # | DASH<br># | CLIENT ID | CONTAINER<br>DESCRIPTION | PRESER-<br>VATIVE | SAMPLE<br>MATRIX | DATE<br>SAMPLED | REMARKS:<br>CONDITION (ETC.) |
|-------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------|-----------|-----------|--------------------------|-------------------|------------------|-----------------|------------------------------|
| 1. Custody Seal(s)                                                                        | Present / <u>Absent</u><br>Intact / Broken*       | 01              |           | MW1 - 1   | (2) 16 Amber             |                   | L                | 04/07/03        |                              |
| 2. Chain-of-Custody                                                                       | <u>Present</u> / Absent*                          | 02              |           | - 3       | (3) VOA                  | HCL               |                  |                 | 2275020                      |
| 3. Traffic Reports or<br>Packing List:                                                    | Present / <u>Absent</u>                           | 03              |           | - 4       | (3) VOA                  | HCL               |                  |                 | 2297030                      |
| 4. Airbill:                                                                               | Airbill / Sticker<br>Present / <u>Absent</u>      | 04              |           | - 5       |                          |                   |                  |                 | 2275020                      |
| 5. Airbill #:                                                                             |                                                   | 05              |           | - 6       |                          |                   |                  |                 |                              |
| 6. Sample Labels:                                                                         | <u>Present</u> / Absent                           | 06              |           | - 7       |                          |                   |                  |                 | 2297030                      |
| 7. Sample IDs:                                                                            | <u>Listed</u> / Not Listed<br>on Chain-of-Custody | 07              |           | - 8       |                          |                   |                  |                 | 2275020                      |
| 8. Sample Condition:                                                                      | <u>Intact</u> / Broken* /<br>Leaking*             | 08              |           | - 14      |                          |                   |                  |                 |                              |
| 9. Does information on<br>custody reports, traffic<br>reports and sample<br>labels agree? | <u>Yes</u> / No*                                  |                 |           |           |                          |                   |                  |                 |                              |
| 10. Sample received within<br>hold time:                                                  | <u>Yes</u> / No*                                  |                 |           |           |                          |                   |                  |                 |                              |
| 11. Proper Preservatives<br>used:                                                         | <u>Yes</u> / No*                                  |                 |           |           |                          |                   |                  |                 |                              |
| 12. Temp Rec. at Lab:<br>Is temp 4 +/- 2°C?                                               | <u>Yes</u> / No*                                  |                 |           |           |                          |                   |                  |                 |                              |
| (Acceptance range for samples requiring thermal pres.)                                    |                                                   |                 |           |           |                          |                   |                  |                 |                              |
| **Exception (if any): Metals / DRI <sup>2</sup> (Direct From Field)                       |                                                   |                 |           |           |                          |                   |                  |                 |                              |
| or Problem COC                                                                            |                                                   |                 |           |           |                          |                   |                  |                 |                              |

**\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.**



22 April, 2003

Scott Robinson  
URS Corporation  
500 12th Street, Suite 100  
Oakland, CA 94607

RE: ARCO #601, San Leandro, Ca  
Sequoia Work Order: MMD0318

Enclosed are the results of analyses for samples received by the laboratory on 04/08/03 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt  
Project Manager

CA ELAP Certificate #1210



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0318  
**Reported:**  
04/22/03 17:04

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW-10     | MMD0318-01    | Water  | 04/07/03 09:55 | 04/08/03 16:40 |

There were no custody seals that were received with this project.



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0318  
Reported:  
04/22/03 17:04

**Volatile Organic Compounds by EPA Method 8260B**

**Sequoia Analytical - Morgan Hill**

| Analyte                                                                          | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|----------------------------------------------------------------------------------|--------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>MW-10 (MMD0318-01) Water Sampled: 04/07/03 09:55 Received: 04/08/03 16:40</b> |        |                    |        |          |         |          |          |           |       |
| Ethanol                                                                          | ND     | 100                | ug/l   | 1        | 3D18040 | 04/18/03 | 04/19/03 | EPA 8260B |       |
| tert-Butyl alcohol                                                               | ND     | 20                 | "      | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether                                                          | 1.6    | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether                                                               | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether                                                           | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether                                                           | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane                                                               | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Benzene                                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Toluene                                                                          | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                                                                     | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Xylenes (total)                                                                  | ND     | 0.50               | "      | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics (C6-C10)                                                 | ND     | 50                 | "      | "        | "       | "        | "        | "         |       |
| <b>Surrogate: 1,2-Dichloroethane-d4</b>                                          |        |                    |        |          |         |          |          |           |       |
|                                                                                  |        | 102 %              | 78-129 |          | "       | "        | "        | "         |       |



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0318  
Reported:  
04/22/03 17:04

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
Sequoia Analytical - Morgan Hill**

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

**Batch 3D18040 - EPA 5030B P/T**

**Blank (3D18040-BLK1)**

Prepared & Analyzed: 04/18/03

|                                  |    |      |      |  |  |  |  |  |  |
|----------------------------------|----|------|------|--|--|--|--|--|--|
| Ethanol                          | ND | 100  | ug/l |  |  |  |  |  |  |
| tert-Butyl alcohol               | ND | 20   | "    |  |  |  |  |  |  |
| Methyl tert-butyl ether          | ND | 0.50 | "    |  |  |  |  |  |  |
| Di-isopropyl ether               | ND | 0.50 | "    |  |  |  |  |  |  |
| Ethyl tert-butyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |
| tert-Amyl methyl ether           | ND | 0.50 | "    |  |  |  |  |  |  |
| 1,2-Dichloroethane               | ND | 0.50 | "    |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)          | ND | 0.50 | "    |  |  |  |  |  |  |
| Benzene                          | ND | 0.50 | "    |  |  |  |  |  |  |
| Toluene                          | ND | 0.50 | "    |  |  |  |  |  |  |
| Ethylbenzene                     | ND | 0.50 | "    |  |  |  |  |  |  |
| Xylenes (total)                  | ND | 0.50 | "    |  |  |  |  |  |  |
| Gasoline Range Organics (C6-C10) | ND | 50   | "    |  |  |  |  |  |  |

Surrogate: 1,2-Dichloroethane-d4 5.06 " 5.00 101 78-129

**Laboratory Control Sample (3D18040-BS1)**

Prepared & Analyzed: 04/18/03

|                         |      |      |      |      |      |        |
|-------------------------|------|------|------|------|------|--------|
| Methyl tert-butyl ether | 9.59 | 0.50 | ug/l | 10.0 | 95.9 | 63-137 |
| Benzene                 | 10.2 | 0.50 | "    | 10.0 | 102  | 78-124 |
| Toluene                 | 10.7 | 0.50 | "    | 10.0 | 107  | 78-129 |

Surrogate: 1,2-Dichloroethane-d4 5.09 " 5.00 102 78-129

**Laboratory Control Sample (3D18040-BS2)**

Prepared & Analyzed: 04/18/03

|                                  |      |      |      |      |      |        |
|----------------------------------|------|------|------|------|------|--------|
| Methyl tert-butyl ether          | 8.22 | 0.50 | ug/l | 9.04 | 90.9 | 63-137 |
| Benzene                          | 5.24 | 0.50 | "    | 5.44 | 96.3 | 78-124 |
| Toluene                          | 33.0 | 0.50 | "    | 32.8 | 101  | 78-129 |
| Gasoline Range Organics (C6-C10) | 388  | 50   | "    | 440  | 88.2 | 70-113 |

Surrogate: 1,2-Dichloroethane-d4 4.97 " 5.00 99.4 78-129



URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0318  
Reported:  
04/22/03 17:04

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
Sequoia Analytical - Morgan Hill**

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

**Batch 3D18040 - EPA 5030B P/T**

**Matrix Spike (3D18040-MS1)**                      **Source:**                      **Prepared: 04/18/03**   **Analyzed: 04/19/03**

|                                  |      |     |      |      |    |      |        |  |  |  |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Methyl tert-butyl ether          | 104  | 5.0 | ug/l | 90.4 | 21 | 91.8 | 63-137 |  |  |  |
| Benzene                          | 52.9 | 5.0 | "    | 54.4 | ND | 97.2 | 78-124 |  |  |  |
| Toluene                          | 340  | 5.0 | "    | 328  | ND | 104  | 78-129 |  |  |  |
| Gasoline Range Organics (C6-C10) | 3890 | 500 | "    | 4400 | ND | 88.4 | 70-113 |  |  |  |

*Surrogate: 1,2-Dichloroethane-d4*                      5.09                      "                      5.00                      102                      78-129

**Matrix Spike Dup (3D18040-MSD1)**                      **Source:**                      **Prepared: 04/18/03**   **Analyzed: 04/19/03**

|                                  |      |     |      |      |    |      |        |      |    |  |
|----------------------------------|------|-----|------|------|----|------|--------|------|----|--|
| Methyl tert-butyl ether          | 104  | 5.0 | ug/l | 90.4 | 21 | 91.8 | 63-137 | 0.00 | 13 |  |
| Benzene                          | 54.7 | 5.0 | "    | 54.4 | ND | 101  | 78-124 | 3.35 | 12 |  |
| Toluene                          | 348  | 5.0 | "    | 328  | ND | 106  | 78-129 | 2.33 | 10 |  |
| Gasoline Range Organics (C6-C10) | 4090 | 500 | "    | 4400 | ND | 93.0 | 70-113 | 5.01 | 9  |  |

*Surrogate: 1,2-Dichloroethane-d4*                      5.14                      "                      5.00                      103                      78-129



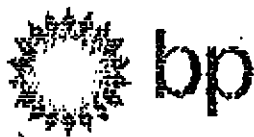
URS Corporation  
500 12th Street, Suite 100  
Oakland CA, 94607

Project: ARCO #601, San Leandro, Ca  
Project Number: Intrim -50677  
Project Manager: Scott Robinson

MMD0318  
**Reported:**  
04/22/03 17:04

### Notes and Definitions

DET      Analyte DETECTED  
ND      Analyte NOT DETECTED at or above the reporting limit  
NR      Not Reported  
dry      Sample results reported on a dry weight basis  
RPD      Relative Percent Difference



# Chain of Custody Record

Page 1 of 1

Project Name \_\_\_\_\_  
BP BU/GEM CO Portfolio: \_\_\_\_\_  
BP Laboratory Contract Number: \_\_\_\_\_

Date: 4/1/03

Requested Due Date (mm/dd/yy) \_\_\_\_\_

HND0318

On-site Time: \_\_\_\_\_ Temp: \_\_\_\_\_  
Off-site Time: \_\_\_\_\_ Temp: \_\_\_\_\_  
Sky Conditions: \_\_\_\_\_  
Meteorological Events: \_\_\_\_\_  
Wind Speed: \_\_\_\_\_ Direction: \_\_\_\_\_

|                                                             |  |                                                                     |  |
|-------------------------------------------------------------|--|---------------------------------------------------------------------|--|
| <b>Send To:</b>                                             |  | <b>BP/GEM Facility No.:</b>                                         |  |
| <b>Lab Name:</b> SEQUOIA                                    |  | <b>BP/GEM Facility Address:</b> 712 Lowelling Blvd, San Leandro, CA |  |
| <b>Lab Address:</b> 885 Jarvis Dr.<br>Morgan Hill, CA 95037 |  | <b>Site ID No.</b> ARCO 601                                         |  |
|                                                             |  | <b>Site Lat/Long:</b>                                               |  |
|                                                             |  | <b>California Global ID #:</b> T0800100108                          |  |
| <b>Lab PM:</b> Latonya Pelt                                 |  | <b>BP/GEM PM Contact:</b> PAUL SUPPJE                               |  |
| <b>Tele/Fax:</b> 408-776-9600 / 408-782-6308                |  | <b>Address:</b>                                                     |  |
| <b>Report Type &amp; QC Level:</b> Send EDP Reports         |  | <b>Tele/Fax:</b>                                                    |  |
| <b>BP/GEM Account No.:</b>                                  |  | <b>BP/GEM Work Release No:</b> INTRIM -50677                        |  |

**Consultant/Contractor:** URS  
**Address:** 500 12th St., Ste. 200  
Oakland, CA 94609-4014  
**e-mail EDD:** syed\_rehan@urscorp.com  
**Consultant/Contractor Project No.:** JS-00000601.01 00427  
**Consultant Tele/Fax:** 510-874-1735/510-874-3268  
**Consultant/Contractor PM:** Scott Robinson  
**Invoice to:** Consultant/Contractor or **BP/GEM** (circle one)  
**BP/GEM Work Release No:** INTRIM -50677

| Lab Bottle Order No: |                    |      | Matrix     |              |           |     | Laboratory No. | No. of containers | Preservatives |                                |                  |     | Requested Analysis              |              |             |                                   |                      |                | Sample Point Lat/Long and Comments |
|----------------------|--------------------|------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|-----|---------------------------------|--------------|-------------|-----------------------------------|----------------------|----------------|------------------------------------|
| Item No.             | Sample Description | Time | Soil/Solid | Water/Liquid | Sediments | Air |                |                   | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | TPH-C / BTEX (8015-8017) (8260) | TPH-D (8015) | MTBE (8021) | MTBE, TAME, ETBE, DPE, TBA (8260) | 1,2-DCA & EDB (8260) | Ethanol (8260) |                                    |
| 1                    | mw-10              | 935  | X          |              |           |     |                | 3                 |               |                                |                  | X   | X                               |              |             | X                                 | X                    | X              |                                    |
| 2                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 3                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 4                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 5                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 6                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 7                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 8                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 9                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |
| 10                   |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                                 |              |             |                                   |                      |                |                                    |

|                                                                                     |                                                           |                     |                   |                                               |                     |                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------|-------------------|-----------------------------------------------|---------------------|-------------------|
| <b>Sampler's Name:</b> Ryan Hamstedt                                                | <b>Relinquished By / Affiliation:</b> Ryan Hamstedt / URS | <b>Date:</b> 4/8/03 | <b>Time:</b> 1145 | <b>Accepted By / Affiliation:</b> [Signature] | <b>Date:</b> 4/8/03 | <b>Time:</b> 1145 |
| <b>Sampler's Company:</b> Blaine Tech                                               |                                                           |                     |                   |                                               |                     |                   |
| <b>Shipment Date:</b>                                                               |                                                           |                     |                   |                                               |                     |                   |
| <b>Shipment Method:</b>                                                             |                                                           |                     |                   |                                               |                     |                   |
| <b>Shipment Tracking No.:</b>                                                       |                                                           |                     |                   |                                               |                     |                   |
| <b>Special Instructions:</b> Address invoice to BP/GEM but send to URS for approval |                                                           |                     |                   |                                               |                     |                   |

Seals In Place Yes No ☒ Temperature Blank Yes No ☒ Cooler Temperature on Receipt 6.1 °C Trip Blank Yes No ☒

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

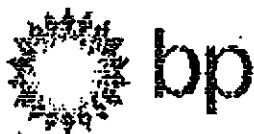
CLIENT NAME: BP LAB  
 REC. BY (PRINT) JS/KT  
 WORKORDER: 11106315

DATE REC'D AT LAB: 04/08/03  
 TIME REC'D AT LAB: 1640  
 DATE LOGGED IN: 4-19-03

Drinking water for  
 regulatory purposes: YES ☒ NO ☐  
 Wastewater for  
 regulatory purposes: YES ☐ NO ☒

| CIRCLE THE APPROPRIATE RESPONSE                                                           |                                                     | LAB<br>SAMPLE # | DASH<br># | CLIENT ID      | CONTAINER<br>DESCRIPTION | PRESER<br>VATIVE | SAMPLE<br>MATRIX | DATE<br>SAMPLED | REMARKS:<br>CONDITION (ETC.) |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------|-----------|----------------|--------------------------|------------------|------------------|-----------------|------------------------------|
| 1. Custody Seal(s)                                                                        | Present / <u>Absent</u><br>Intact / Broken*         |                 |           | <u>111W-10</u> | <u>(3) VOA</u>           | <u>HCL</u>       | <u>L</u>         | <u>04/08/03</u> | <u>2275020</u>               |
| 2. Chain-of-Custody                                                                       | <u>Present</u> / Absent*                            |                 |           |                |                          |                  |                  |                 |                              |
| 3. Traffic Reports or<br>Packing List:                                                    | Present / <u>Absent</u>                             |                 |           |                |                          |                  |                  |                 |                              |
| 4. Airbill:                                                                               | Airbill / <u>Sticker</u><br>Present / <u>Absent</u> |                 |           |                |                          |                  |                  |                 |                              |
| 5. Airbill #:                                                                             |                                                     |                 |           |                |                          |                  |                  |                 |                              |
| 6. Sample Labels:                                                                         | <u>Present</u> / Absent                             |                 |           |                |                          |                  |                  |                 |                              |
| 7. Sample IDs:                                                                            | <u>Listed</u> / Not Listed<br>on Chain-of-Custody   |                 |           |                |                          |                  |                  |                 |                              |
| 8. Sample Condition:                                                                      | <u>Intact</u> / Broken* /<br>Leaking*               |                 |           |                |                          |                  |                  |                 |                              |
| 9. Does information on<br>custody reports, traffic<br>reports and sample<br>labels agree? | <u>Yes</u> / No*                                    |                 |           |                |                          |                  |                  |                 |                              |
| 10. Sample received within<br>hold time:                                                  | <u>Yes</u> / No*                                    |                 |           |                |                          |                  |                  |                 |                              |
| 11. Proper Preservatives<br>used:                                                         | <u>Yes</u> / No*                                    |                 |           |                |                          |                  |                  |                 |                              |
| 12. Temp Rec. at Lab:<br>Is temp 4 +/- 2°C?                                               | <u>Yes</u> / No**                                   |                 |           |                |                          |                  |                  |                 |                              |
| (Acceptance range for samples requiring thermal pres.)                                    |                                                     |                 |           |                |                          |                  |                  |                 |                              |
| **Exception (if any): Metals / DFF (Direct From Field)<br>or Problem COC                  |                                                     |                 |           |                |                          |                  |                  |                 |                              |

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.



# Chain of Custody Record

Project Name \_\_\_\_\_  
BP BU/GEM CO Portfolio: \_\_\_\_\_  
BP Laboratory Contract Number: \_\_\_\_\_

Date: 4/7/03

Requested Due Date (mm/dd/yy) \_\_\_\_\_

111100318

|                                                          |            |
|----------------------------------------------------------|------------|
| On-site Time:                                            | Temp:      |
| Off-site Time:                                           | Temp:      |
| Sky Conditions:                                          |            |
| Meteorological Events:                                   |            |
| Wind Speed:                                              | Direction: |
| Consultant/Contractor: URS                               |            |
| Address: 500 12th St., Ste. 200                          |            |
| Oakland, CA 94609-4014                                   |            |
| e-mail EDD: syed_rehan@urscorp.com                       |            |
| Consultant/Contractor Project No.: JS-00000601.01 00427  |            |
| Consultant Tele/Fax: 510-874-1735/510-874-3268           |            |
| Consultant/Contractor PM: Scott Robinson                 |            |
| Invoice to: Consultant/Contractor or BP/GEM (circle one) |            |
| BP/GEM Work Release No: INTRIM-50677                     |            |

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| Send To:                                 | BP/GEM Facility No.:                                         |
| Lab Name: SEQUOIA                        | BP/GEM Facility Address: 712 Lewelling Blvd, San Leandro, CA |
| Lab Address: 885 Jarvis Dr.              | Site ID No. ARCO 601                                         |
| Morgan Hill, CA 95037                    | Site Lat/Long:                                               |
|                                          | California Global ID #: T0800100108                          |
| Lab PM: LaTonya Pelt                     | BP/GEM PM Contact: PAUL SUPP.L.E                             |
| Tele/Fax: 408-776-9600 / 408-782-8308    | Address:                                                     |
| Report Type & QC Level: Send EDP Reports | Tele/Fax:                                                    |
| BP/GEM Account No.:                      |                                                              |

| Lab Bottle Order No: |                    |      | Matrix     |              |           |     | Laboratory No. | No. of containers | Preservatives |                                |                  |     | Requested Analysis |              |             |                         |                 |                      | Sample Point Lat/Long and Comments |
|----------------------|--------------------|------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|-----|--------------------|--------------|-------------|-------------------------|-----------------|----------------------|------------------------------------|
| Item No.             | Sample Description | Time | Soil/Solid | Water/Liquid | Sediments | Air |                |                   | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | TPH-G / BTX (8015) | TPH-D (8015) | MTBE (8021) | MTBE, TAME, ETBE (8021) | DPE, TBA (8260) | 1,2-DCA & EDB (8260) |                                    |
| 1                    | mw-10              | 935  | X          |              |           |     |                | 3                 |               |                                |                  | X   | X                  |              |             | X                       | X               | X                    |                                    |
| 2                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 3                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 4                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 5                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 6                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 7                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 8                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 9                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |
| 10                   |                    |      |            |              |           |     |                |                   |               |                                |                  |     |                    |              |             |                         |                 |                      |                                    |

|                                                                              |                                            |              |            |                                        |              |            |
|------------------------------------------------------------------------------|--------------------------------------------|--------------|------------|----------------------------------------|--------------|------------|
| Sampler's Name: Ryan Hamstett                                                | Relinquished By / Affiliation: [Signature] | Date: 4/8/03 | Time: 1145 | Accepted By / Affiliation: [Signature] | Date: 4/8/03 | Time: 1640 |
| Sampler's Company: Blaine Tech                                               |                                            |              |            |                                        |              |            |
| Shipment Date:                                                               |                                            |              |            |                                        |              |            |
| Shipment Method:                                                             |                                            |              |            |                                        |              |            |
| Shipment Tracking No:                                                        |                                            |              |            |                                        |              |            |
| Special Instructions: Address Invoice to BP/GEM but send to URS for approval |                                            |              |            |                                        |              |            |

Seals In Place Yes No ☒ Temperature Blank Yes No ☒ Cooler Temperature on Receipt 6.1 °C Trip Blank Yes No ☒

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

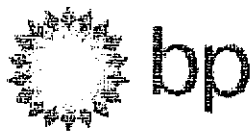
CLIENT NAME: BP LAB  
 REC. BY (PRINT) US/KF  
 WORKORDER: MM06314

DATE REC'D AT LAB: 04/08/03  
 TIME REC'D AT LAB: 1640  
 DATE LOGGED IN: 4-19-03

Drinking water for  
 regulatory purposes: YES ☒ NO ☐  
 Wastewater for  
 regulatory purposes: YES ☐ NO ☒

| CIRCLE THE APPROPRIATE RESPONSE                                                           |                                                     | LAB<br>SAMPLE # | DASH<br># | CLIENT ID     | CONTAINER<br>DESCRIPTION | PRESER<br>VATIVE | SAMPLE<br>MATRIX | DATE<br>SAMPLED | REMARKS:<br>CONDITION (ETC.) |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------|-----------|---------------|--------------------------|------------------|------------------|-----------------|------------------------------|
| 1. Custody Seal(s)                                                                        | Present / <u>Absent</u><br>Intact / Broken*         |                 |           | <u>MMW-10</u> | <u>(3) VOA</u>           | <u>HCR</u>       | <u>L</u>         | <u>04/08/03</u> | <u>2275020</u>               |
| 2. Chain-of-Custody                                                                       | <u>Present</u> / Absent*                            |                 |           |               |                          |                  |                  |                 |                              |
| 3. Traffic Reports or<br>Packing List:                                                    | Present / <u>Absent</u>                             |                 |           |               |                          |                  |                  |                 |                              |
| 4. Airbill:                                                                               | Airbill / <u>Sticker</u><br>Present / <u>Absent</u> |                 |           |               |                          |                  |                  |                 |                              |
| 5. Airbill #:                                                                             |                                                     |                 |           |               |                          |                  |                  |                 |                              |
| 6. Sample Labels:                                                                         | <u>Present</u> / Absent                             |                 |           |               |                          |                  |                  |                 |                              |
| 7. Sample IDs:                                                                            | <u>Listed</u> / Not Listed<br>on Chain-of-Custody   |                 |           |               |                          |                  |                  |                 |                              |
| 8. Sample Condition:                                                                      | <u>Intact</u> / Broken* /<br>Leaking*               |                 |           |               |                          |                  |                  |                 |                              |
| 9. Does information on<br>custody reports, traffic<br>reports and sample<br>labels agree? | <u>Yes</u> / No*                                    |                 |           |               |                          |                  |                  |                 |                              |
| 10. Sample received within<br>hold time:                                                  | <u>Yes</u> / No*                                    |                 |           |               |                          |                  |                  |                 |                              |
| 11. Proper Preservatives<br>used:                                                         | <u>Yes</u> / No*                                    |                 |           |               |                          |                  |                  |                 |                              |
| 12. Temp Rec. at Lab:<br>Is temp 4 +/- 2°C?                                               | <u>Yes</u> / No**                                   |                 |           |               |                          |                  |                  |                 |                              |
| (Acceptance range for samples requiring thermal pres.)                                    |                                                     |                 |           |               |                          |                  |                  |                 |                              |
| **Exception (if any): Metals / DFF (Direct From Field)<br>or Problem COC                  |                                                     |                 |           |               |                          |                  |                  |                 |                              |

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.



# Chain of Custody Record

Page 1 of 1

Project Name \_\_\_\_\_

BP BU/GEM CO Portfolio: \_\_\_\_\_

BP Laboratory Contract Number: \_\_\_\_\_

Date: 4/1/03

Requested Due Date (mm/dd/yy) \_\_\_\_\_

|                        |            |
|------------------------|------------|
| On-site Time:          | Temp:      |
| Off-site Time:         | Temp:      |
| Sky Conditions:        |            |
| Meteorological Events: |            |
| Wind Speed:            | Direction: |

|                                                      |                                                              |                                                            |
|------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|
| Send To:                                             | BP/GEM Facility No.:                                         | Consultant/Contractor: URS                                 |
| Lab Name: SEQUOIA                                    | BP/GEM Facility Address: 712 Lewelling Blvd, San Leandro, CA | Address: 500 12th St, Ste. 200                             |
| Lab Address: 885 Jarvis Dr.<br>Morgan Hill, CA 95037 | Site ID No. ARCO 601                                         | Oakland, CA 94609-4014                                     |
|                                                      | Site Lat/Long:                                               | e-mail EDD: syed_rehan@urscorp.com                         |
|                                                      | California Global ID #: T0600100108                          | Consultant/Contractor Project No.: J5-00000601.01 00427    |
| Lab PM: Latonya Pelt                                 | BP/GEM PM Contact: PAUL SUPPLE                               | Consultant Tele/Fax: 510-874-1735/510-874-3288             |
| Tele/Fax: 408-776-9600 / 408-782-6308                | Address:                                                     | Consultant/Contractor PM: Scott Robinson                   |
| Report Type & QC Level: Send EDF Reports             |                                                              | Invoice to: Consultant/Contractor or (BP/GEM) (circle one) |
| BP/GEM Account No.:                                  | Tele/Fax:                                                    | BP/GEM Work Release No: INTRIM -50677                      |

| Lab Bottle Order No: |                    |      | Matrix     |              |           |     | Laboratory No. | No. of containers | Preservatives |                                |                  |     |   |   | Requested Analysis                  |              |             |                                      |                         |                | Sample Point Lat/Long and Comments |
|----------------------|--------------------|------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|-----|---|---|-------------------------------------|--------------|-------------|--------------------------------------|-------------------------|----------------|------------------------------------|
| Item No.             | Sample Description | Time | Soil/Solid | Water/Liquid | Sediments | Air |                |                   | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl |   |   | TPH-G / BTEX<br>(8015, 8021) (8260) | TPH-D (8015) | MTBE (8021) | MTBE, TAME, ETBE<br>DIPE, TBA (8260) | 1,2-DCA & EDB<br>(8260) | Ethanol (8260) |                                    |
| 1                    | MW-1               | 1145 | X          |              |           |     |                | 3                 | 2             |                                |                  |     | 3 | X |                                     |              | X           | X                                    | X                       | X              |                                    |
| 2                    | MW-3               | 1220 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 3                    | MW-4               | 1130 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 4                    | MW-5               | 1155 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 5                    | MW-6               | 1035 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 6                    | MW-7               | 1020 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 7                    | MW-8               | 1050 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 8                    | MW-14              | 1010 | X          |              |           |     |                | 3                 |               |                                |                  |     | X |   |                                     |              | X           | X                                    | X                       |                |                                    |
| 9                    |                    |      |            |              |           |     |                |                   |               |                                |                  |     |   |   |                                     |              |             |                                      |                         |                |                                    |
| 10                   |                    |      |            |              |           |     |                |                   |               |                                |                  |     |   |   |                                     |              |             |                                      |                         |                |                                    |

|                                |                               |      |      |                           |      |      |
|--------------------------------|-------------------------------|------|------|---------------------------|------|------|
| Sampler's Name: Ryan Hamstelt  | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
| Sampler's Company: Alkime Tech | 3-11-03 / R/S                 |      |      |                           |      |      |
| Shipment Date:                 |                               |      |      |                           |      |      |
| Shipment Method:               |                               |      |      |                           |      |      |
| Shipment Tracking No:          |                               |      |      |                           |      |      |

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Custody Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No

**ATTACHMENT C**

**EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION**

---

## Error Summary Log

05/05/03

EDF 1.2i All files present in deliverable.

---

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Laboratory:        | Sequoia Analytical Laboratories, Inc., Morgan Hill, CA |
| Project Name:      | ARCO #601, San Leandro, C                              |
| Work Order Number: | MMD0265                                                |
| Global ID:         | T0600100108                                            |
| Lab Report Number: | MMD0265050220031042                                    |

## Report Summary

| Labreport                     | Sampid | Labsampid   | Mtrx | QC  | Anmcode | Exmcode | Logdate  | Extdate  | Anadate  | Lablotctl | Run | Sub |
|-------------------------------|--------|-------------|------|-----|---------|---------|----------|----------|----------|-----------|-----|-----|
| MMD02650502200 MW-1<br>31042  |        | MMD026501   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/19/03 | 04/20/03 | 3D19016   | 1   |     |
| MMD02650502200 MW-1<br>31042  |        | MMD026501   | W    | CS  | 8270SIM | 3510ARO | 04/07/03 | 04/11/03 | 04/24/03 | 3D11031   | 1   |     |
| MMD02650502200 MW-1<br>31042  |        | MMD026501   | W    | CS  | 8270SIM | 3510ARO | 04/07/03 | 04/11/03 | 04/25/03 | 3D11031   | 2   |     |
| MMD02650502200 MW-14<br>31042 |        | MMD026508   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
| MMD02650502200 MW-3<br>31042  |        | MMD026502   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/19/03 | 04/20/03 | 3D19016   | 1   |     |
| MMD02650502200 MW-4<br>31042  |        | MMD026503   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
| MMD02650502200 MW-5<br>31042  |        | MMD026504   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
| MMD02650502200 MW-6<br>31042  |        | MMD026505   | W    | CS  | 8260+OX | SW5035  | 04/07/03 | 04/21/03 | 04/21/03 | 3D22028   | 1   |     |
| MMD02650502200 MW-7<br>31042  |        | MMD026506   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
| MMD02650502200 MW-8<br>31042  |        | MMD026507   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
|                               |        | MMD032305   | W    | NC  | 8260+OX | SW5030B | //       | 04/19/03 | 04/19/03 | 3D19016   | 1   |     |
|                               |        | MMD034001   | W    | NC  | 8260+OX | SW5035  | //       | 04/21/03 | 04/21/03 | 3D22028   | 1   |     |
|                               |        | 3D11031BSD1 | WQ   | BD1 | 8270SIM | 3510ARO | //       | 04/11/03 | 04/24/03 | 3D11031   | 1   |     |
|                               |        | 3D11031BS1  | WQ   | BS1 | 8270SIM | 3510ARO | //       | 04/11/03 | 04/23/03 | 3D11031   | 1   |     |
|                               |        | 3D11031BLK1 | WQ   | LB1 | 8270SIM | 3510ARO | //       | 04/11/03 | 04/23/03 | 3D11031   | 1   |     |
|                               |        | 3D19016BS1  | WQ   | BS1 | 8260+OX | SW5030B | //       | 04/19/03 | 04/19/03 | 3D19016   | 1   |     |
|                               |        | 3D19016BS2  | WQ   | BS2 | 8260+OX | SW5030B | //       | 04/19/03 | 04/19/03 | 3D19016   | 1   |     |
|                               |        | 3D19016BLK1 | WQ   | LB1 | 8260+OX | SW5030B | //       | 04/19/03 | 04/19/03 | 3D19016   | 1   |     |
|                               |        | 3D19016MS1  | W    | MS1 | 8260+OX | SW5030B | //       | 04/19/03 | 04/19/03 | 3D19016   | 1   |     |
|                               |        | 3D19016MSD1 | W    | SD1 | 8260+OX | SW5030B | //       | 04/19/03 | 04/19/03 | 3D19016   | 1   |     |
|                               |        | 3D20001BS1  | WQ   | BS1 | 8260+OX | SW5030B | //       | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
|                               |        | 3D20001BS2  | WQ   | BS2 | 8260+OX | SW5030B | //       | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
|                               |        | 3D20001BLK1 | WQ   | LB1 | 8260+OX | SW5030B | //       | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
|                               |        | 3D20001MS1  | W    | MS1 | 8260+OX | SW5030B | //       | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
|                               |        | 3D20001MSD1 | W    | SD1 | 8260+OX | SW5030B | //       | 04/20/03 | 04/20/03 | 3D20001   | 1   |     |
|                               |        | 3D22028BS1  | WQ   | BS1 | 8260+OX | SW5035  | //       | 04/21/03 | 04/21/03 | 3D22028   | 1   |     |
|                               |        | 3D22028BS2  | WQ   | BS2 | 8260+OX | SW5035  | //       | 04/21/03 | 04/21/03 | 3D22028   | 1   |     |
|                               |        | 3D22028BLK1 | WQ   | LB1 | 8260+OX | SW5035  | //       | 04/21/03 | 04/21/03 | 3D22028   | 1   |     |

## Report Summary

| Labreport | Sampid | Labsampid   | Mtrx | QC  | Anmcode | Exmcode | Logdate | Extdate  | Anadate  | Lablctcl | Run | Sub |
|-----------|--------|-------------|------|-----|---------|---------|---------|----------|----------|----------|-----|-----|
|           |        | 3D22028MS1  | W    | MS1 | 8260+OX | SW5035  | / /     | 04/21/03 | 04/21/03 | 3D22028  | 1   |     |
|           |        | 3D22028MSD1 | W    | SD1 | 8260+OX | SW5035  | / /     | 04/21/03 | 04/21/03 | 3D22028  | 1   |     |

# EDFSAMP: Error Summary Log

05/05/03

| Error type                            | Logcode | Projname | Npdtwo | Sampid | Matrix |
|---------------------------------------|---------|----------|--------|--------|--------|
| There are no errors in this data file |         |          |        |        |        |

# EDFTEST: Error Summary Log

05/05/03

| Error type                            | Labsampid | Qccode | Anmcode | Exmcode | Anadate | Run number |
|---------------------------------------|-----------|--------|---------|---------|---------|------------|
| There are no errors in this data file |           |        |         |         | //      | 0          |

## EDFRES: Error Summary Log

05/05/03

| Error type               | Labsampid   | Qccode | Matrix | Anmcode | Pvccode | Anadate  | Run number | Parlabel |
|--------------------------|-------------|--------|--------|---------|---------|----------|------------|----------|
| Warning: extra parameter | 3D19016MS1  | MS1    | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D19016MSD1 | SD1    | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D20001MS1  | MS1    | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D20001MSD1 | SD1    | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D22028MS1  | MS1    | W      | 8260+OX | PR      | 04/21/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D22028MSD1 | SD1    | W      | 8260+OX | PR      | 04/21/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026501   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026501   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026502   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026502   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026503   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026503   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026504   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026504   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026505   | CS     | W      | 8260+OX | PR      | 04/21/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026505   | CS     | W      | 8260+OX | PR      | 04/21/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026506   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026506   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026507   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026507   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD026508   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD026508   | CS     | W      | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD032305   | NC     | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD034001   | NC     | W      | 8260+OX | PR      | 04/21/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D19016BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |

| Error type               | Labsampid   | Qccode | Matrix | Anmcode | Pvccode | Anadate  | Run number | Parlabel |
|--------------------------|-------------|--------|--------|---------|---------|----------|------------|----------|
| Warning: extra parameter | 3D19016BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/19/03 | 1          | XYLENES  |
| Warning: extra parameter | 3D19016BS2  | BS2    | WQ     | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D20001BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D20001BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/20/03 | 1          | XYLENES  |
| Warning: extra parameter | 3D20001BS2  | BS2    | WQ     | 8260+OX | PR      | 04/20/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D22028BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/21/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D22028BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/21/03 | 1          | XYLENES  |
| Warning: extra parameter | 3D22028BS2  | BS2    | WQ     | 8260+OX | PR      | 04/21/03 | 1          | GROC6C10 |

## EDFQC: Error Summary Log

05/05/03

| Error type                             | Lablotctf | Anmcode | Parlabel | Qccode | Labqcid |
|----------------------------------------|-----------|---------|----------|--------|---------|
| There are no errors in this data files |           |         |          |        |         |

# EDFCL: Error Summary Log

05/05/03

| Error type                            | Cirevdate | Anmcode | Exmcode | Parlabel | Cicode |
|---------------------------------------|-----------|---------|---------|----------|--------|
| There are no errors in this data file | //        |         |         |          |        |

---

## Error Summary Log

05/05/03

EDF 1.2i All files present in deliverable.

---

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Laboratory:        | Sequoia Analytical Laboratories, Inc., Morgan Hill, CA |
| Project Name:      | ARCO #601, San Leandro, C                              |
| Work Order Number: | MMD0318                                                |
| Global ID:         | T0600100108                                            |
| Lab Report Number: | MMD0318042220031704                                    |

## Report Summary

| Labreport               | Sampid | Labsampid   | Mtrx | QC  | Anmcode | Exmcode | Logdate  | Extdate  | Anadate  | Lablotctl | Run | Sub |
|-------------------------|--------|-------------|------|-----|---------|---------|----------|----------|----------|-----------|-----|-----|
| MMD03180422200<br>31704 | MW-10  | MMD031801   | W    | CS  | 8260+OX | SW5030B | 04/07/03 | 04/18/03 | 04/19/03 | 3D18040   | 1   |     |
|                         |        | MMD032301R1 | W    | NC  | 8260+OX | SW5030B | //       | 04/18/03 | 04/19/03 | 3D18040   | 1   |     |
|                         |        | 3D18040BS1  | WQ   | BS1 | 8260+OX | SW5030B | //       | 04/18/03 | 04/18/03 | 3D18040   | 1   |     |
|                         |        | 3D18040BS2  | WQ   | BS2 | 8260+OX | SW5030B | //       | 04/18/03 | 04/18/03 | 3D18040   | 1   |     |
|                         |        | 3D18040BLK1 | WQ   | LB1 | 8260+OX | SW5030B | //       | 04/18/03 | 04/18/03 | 3D18040   | 1   |     |
|                         |        | 3D18040MS1  | W    | MS1 | 8260+OX | SW5030B | //       | 04/18/03 | 04/19/03 | 3D18040   | 1   |     |
|                         |        | 3D18040MSD1 | W    | SD1 | 8260+OX | SW5030B | //       | 04/18/03 | 04/19/03 | 3D18040   | 1   |     |

# EDFSAMP: Error Summary Log

05/05/03

| Error type                            | Logcode | Projname | Npdlwo | Sampid | Matrix |
|---------------------------------------|---------|----------|--------|--------|--------|
| There are no errors in this data file |         |          |        |        |        |

## EDFTEST: Error Summary Log

05/05/03

| Error type                            | Labsampid | Qccode | Anmcode | Exmcode | Anadate | Run number |
|---------------------------------------|-----------|--------|---------|---------|---------|------------|
| There are no errors in this data file |           |        |         |         | //      | 0          |

## EDFRES: Error Summary Log

05/05/03

| Error type               | Labsampid   | Qccode | Matrix | Anmcode | Pvccode | Anadate  | Run number | Parlabel |
|--------------------------|-------------|--------|--------|---------|---------|----------|------------|----------|
| Warning: extra parameter | 3D18040MS1  | MS1    | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D18040MSD1 | SD1    | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD031801   | CS     | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | MMD031801   | CS     | W      | 8260+OX | PR      | 04/19/03 | 1          | XYLENES  |
| Warning: extra parameter | MMD032301R1 | NC     | W      | 8260+OX | PR      | 04/19/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D18040BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/18/03 | 1          | GROC6C10 |
| Warning: extra parameter | 3D18040BLK1 | LB1    | WQ     | 8260+OX | PR      | 04/18/03 | 1          | XYLENES  |
| Warning: extra parameter | 3D18040BS2  | BS2    | WQ     | 8260+OX | PR      | 04/18/03 | 1          | GROC6C10 |

# EDFQC: Error Summary Log

05/05/03

| Error type                             | Lablotctl | Anmcode | Parlabel | Qccode | Labqcid |
|----------------------------------------|-----------|---------|----------|--------|---------|
| There are no errors in this data files |           |         |          |        |         |

# EDFCL: Error Summary Log

05/05/03

| Error type                            | Clevdate | Anmcode | Exmcode | Parlabel | Clcode |
|---------------------------------------|----------|---------|---------|----------|--------|
| There are no errors in this data file | //       |         |         |          |        |

**AB2886 Electronic Delivery**[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

**Confirmation Number:** 2043924331**Date/Time of Submittal:** 5/5/2003 2:26:17 PM**Facility Global ID:** T0600100108**Facility Name:** ARCO # 00601**Submittal Title:** 2Q03 QMR Site 601**Submittal Type:** GW Monitoring ReportLogged in as URSCORP-OAKLAND  
(CONTRACTOR)CONTACT SITE [ADMINISTRATOR](#).

**AB2886 Electronic Delivery**[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

**Confirmation Number:** 6523802399

**Date/Time of Submittal:** 5/5/2003 2:28:27 PM

**Facility Global ID:** T0600100108

**Facility Name:** ARCO # 00601

**Submittal Title:** 2nd Half 2Q03 Site 601

**Submittal Type:** GW Monitoring Report

Logged in as URSCORP-OAKLAND  
(CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).

## AB2886 Electronic Delivery

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

### UPLOADING A GEO\_WELL FILE

**Processing is complete. No errors were found!**  
**Your file has been successfully submitted!**

|                                    |                            |
|------------------------------------|----------------------------|
| <b><u>Submittal Title:</u></b>     | <b>2Q03 QMR Site 601</b>   |
| <b><u>Submittal Date/Time:</u></b> | <b>5/5/2003 2:39:08 PM</b> |
| <b><u>Confirmation Number:</u></b> | <b>8576492130</b>          |

**[Back to Main Menu](#)**

Logged in as URSCORP-OAKLAND  
(CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).