



Atlantic Richfield Company
(a BP affiliated company)

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

December 10, 2004

Alameda County
DEC 20 2004
Environmental Health

RE: Fourth Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #4931
731 West Mac Arthur Boulevard
Oakland, California
URS Project #38486722

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



December 10, 2004

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Re: Fourth Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #4931
731 West MacArthur Boulevard
Oakland, California
URS Project #38486722**

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Fourth Quarter 2004 Groundwater Monitoring Report* for ARCO Service Station #4931, located at 731 West MacArthur Boulevard, Oakland, California.

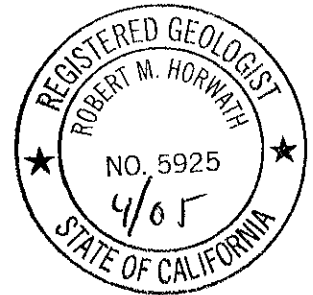
If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

Robert Horwath, R.G.
Portfolio Manager



Enclosure: Fourth Quarter 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Mr. Chuck Headlee, Regional Water Quality Control Board - San Francisco Bay Region, 1515
Clay Street, Suite 1400, Oakland, CA 94612

R E P O R T

**FOURTH QUARTER 2004
GROUNDWATER MONITORING
REPORT**

**ARCO SERVICE STATION #4931
731 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA**

Prepared for
RM

December 10, 2004

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486722

Date: December 10, 2004
Quarter: 4Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 4931 Address: 731 West MacArthur Boulevard, Oakland, California
RM Environmental Business Manager: Paul Supple
Consulting Co./Contact Person: URS Corporation / Scott Robinson
Consultant Project No.: 38486722
Primary Agency: Alameda County Environmental Health (ACEH)

WORK PERFORMED THIS QUARTER (Fourth – 2004):

1. Performed fourth quarter 2004 groundwater monitoring event on November 10, 2004.
2. Prepare and submit this Fourth Quarter 2004 Groundwater Monitoring Report.
3. Removed ORC socks from wells A-4, A-8, A-9, and AR-1.

WORK PROPOSED FOR NEXT QUARTER (First – 2005):

1. Perform first quarter 2005 groundwater monitoring event.
2. Prepare and submit First Quarter 2005 Groundwater Monitoring Report.

SITE SUMMARY:

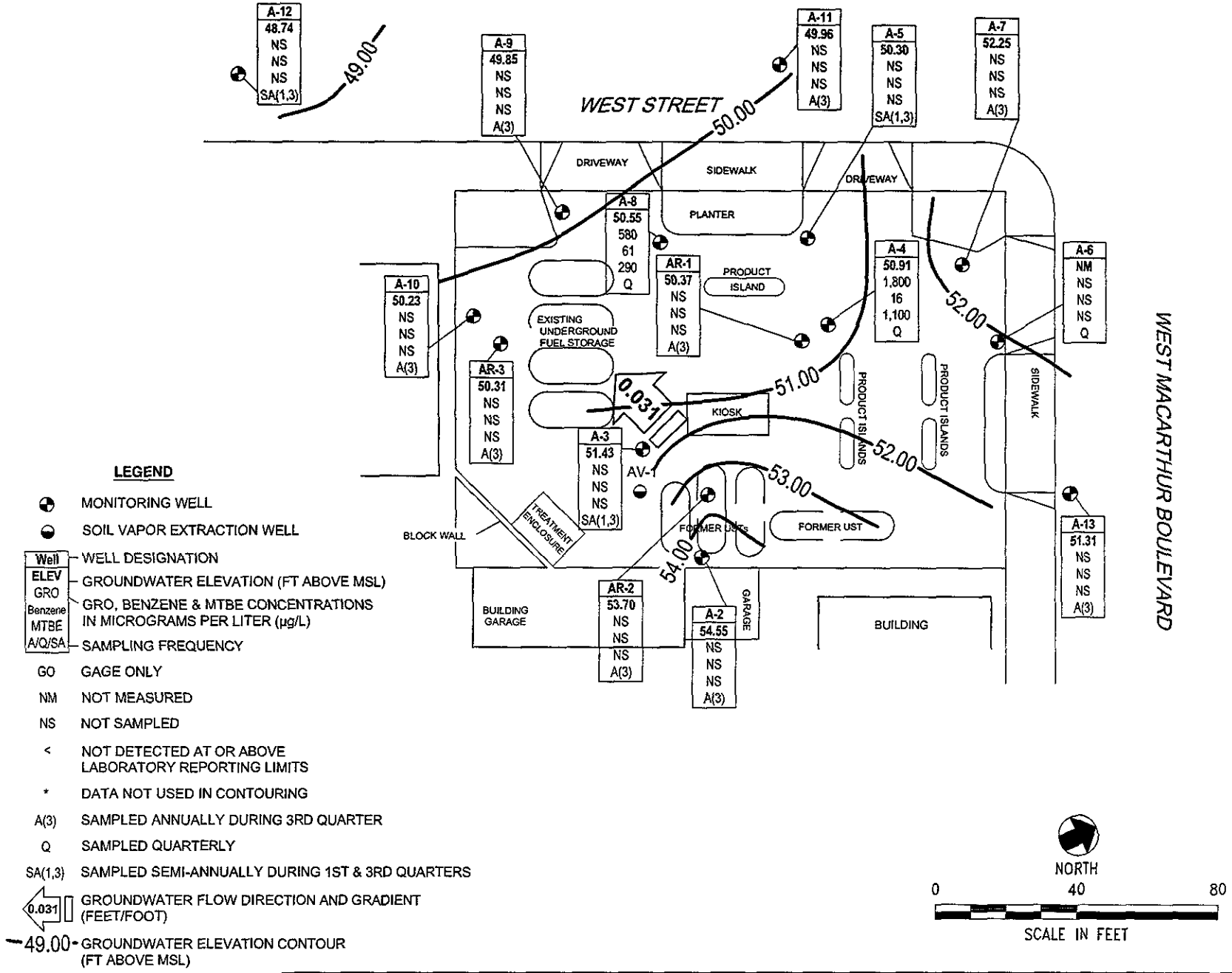
Current Phase of Project: Remediation/Groundwater monitoring/sampling
Frequency of Groundwater Sampling: Annual (3rd Quarter): A-2, A-7, A-9, A-10, A-11, A-13
Semi-Annual (1st/3rd Quarter): A-3, A-5, A-12
Quarterly: A-4, A-6, A-8
Frequency of Groundwater Monitoring: Quarterly
Free Product (FP) Present On-Site: No
Current Remediation Techniques: Natural Attenuation
Approximate Depth to Groundwater: 5.48 (AR-2) to 9.20 (A-11) feet
Groundwater Gradient (direction): West
Groundwater Gradient (magnitude): 0.031 feet per foot

DISCUSSION:

Gasoline range organics (GRO) were detected at or above the laboratory reporting limit in both wells sampled this quarter at concentrations of 580 µg/L (A-8) and 1,800 µg/L (A-4). Benzene was detected at or above the laboratory reporting limit in both wells at concentrations of 16 µg/L (A-4) and 61 µg/L (A-8). Methyl tert-butyl ether (MTBE) was detected at or above the laboratory reporting limit in both wells at concentrations of 290 µg/L (A-8) to 1,100 µg/L (A-4). Tert-butyl alcohol (TBA) was detected at or above laboratory reporting limits in one well at a concentration of 910 µg/L (A-4). Tert-amyl methyl ether (TAME) was detected at or above the laboratory reporting limit in both wells at concentrations of 66 µg/L (A-8) and 270 µg/L (A-4). No other fuel additives were detected above laboratory reporting limits. During sampling, well A-4 dewatered after purging 7 gallons. Well A-6 was inaccessible for sampling as it appears to have been paved over.

ATTACHMENTS:

- **Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – November 10, 2004**
- **Table 1 – Groundwater Elevation and Analytical Data**
- **Table 2 – Fuel Additives Analytical Data**
- **Table 3 – Groundwater Flow Direction and Gradient**
- **Attachment A – Field Procedures and Field Data Sheets**
- **Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records**
- **Attachment C – Historical Groundwater Data**
- **Attachment D – Error Check Reports and EDF/Geowell Submittal Confirmations**



| | | | |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------|
| URS | Project No. 38486722 | GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2004 (November 10, 2004) | FIGURE 1 |
| | ARCO Service Station #4931 731 West MacArthur Boulevard Oakland, California | | |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|------------|------------|-----------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| A-2 | 6/21/2000 | -- | | 55.48 | 5.00 | 19.00 | 6.85 | 48.63 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <3.0 | -- | -- |
| | 9/20/2000 | -- | | 55.48 | 5.00 | 19.00 | 10.45 | 45.03 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 12/26/2000 | -- | | 55.48 | 5.00 | 19.00 | 6.27 | 49.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 3/20/2001 | -- | | 55.48 | 5.00 | 19.00 | 4.57 | 50.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 6/12/2001 | -- | | 55.48 | 5.00 | 19.00 | 9.27 | 46.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 9/23/2001 | -- | | 55.48 | 5.00 | 19.00 | 10.75 | 44.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 12/31/2001 | -- | | 55.48 | 5.00 | 19.00 | 4.13 | 51.35 | <50 | <0.5 | <0.5 | 1 | 3.2 | <2.5 | -- | -- |
| | 3/21/2002 | -- | | 55.48 | 5.00 | 19.00 | 3.26 | 52.22 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 4/17/2002 | -- | | 55.48 | 5.00 | 19.00 | 3.72 | 51.76 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.1 | -- | -- |
| | 8/12/2002 | NP | | 55.48 | 5.00 | 19.00 | 9.95 | 45.53 | <10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.50 | 3.1 | 7.7 |
| | 12/6/2002 | NP | | 55.48 | 5.00 | 19.00 | 10.01 | 45.47 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6 | 3.1 | 6.1 |
| | 1/30/2003 | NP | | 55.48 | 5.00 | 19.00 | 5.08 | 50.40 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.6 | 6.7 |
| | 5/28/2003 | -- | | 55.48 | 5.00 | 19.00 | 4.82 | 50.66 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.1 | 5.7 | 6.8 |
| | 8/6/2003 | -- | | 55.48 | 5.00 | 19.00 | 9.73 | 45.75 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.3 | 7.7 |
| | 11/14/2003 | -- | | 55.48 | 5.00 | 19.00 | 9.36 | 46.12 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 60.65 | 5.00 | 19.00 | 4.45 | 56.20 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/04/2004 | -- | | 60.65 | 5.00 | 19.00 | 6.79 | 53.86 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/01/2004 | NP | | 60.65 | 5.00 | 19.00 | 10.51 | 50.14 | -- | -- | -- | -- | -- | -- | 3.1 | 5.3 |
| | 11/10/2004 | -- | | 60.65 | 5.00 | 19.00 | 6.10 | 54.55 | -- | -- | -- | -- | -- | -- | -- | -- |
| | A-3 | 6/21/2000 | -- | | 54.66 | 5.00 | 19.30 | 9.48 | 45.18 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 46 | -- |
| 9/20/2000 | | -- | | 54.66 | 5.00 | 19.30 | 10.24 | 44.42 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 89.6 | -- | -- |
| 12/26/2000 | | -- | | 54.66 | 5.00 | 19.30 | 9.58 | 45.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7.11 | -- | -- |
| 3/20/2001 | | -- | | 54.66 | 5.00 | 19.30 | 6.34 | 48.32 | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/12/2001 | | -- | | 54.66 | 5.00 | 19.30 | 9.76 | 44.90 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 86 | -- | -- |
| 9/23/2001 | | -- | | 54.66 | 5.00 | 19.30 | 10.55 | 44.11 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/31/2001 | | -- | | 54.66 | 5.00 | 19.30 | 3.70 | 50.96 | <50 | <0.5 | <0.5 | <0.5 | 1 | 60 | -- | -- |
| 3/21/2002 | | -- | | 54.66 | 5.00 | 19.30 | 5.75 | 48.91 | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/17/2002 | | -- | | 54.66 | 5.00 | 19.30 | 7.27 | 47.39 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 45 | -- | -- |
| 8/12/2002 | | -- | | 54.66 | 5.00 | 19.30 | 9.71 | 44.95 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/6/2002 | | P | | 54.66 | 5.00 | 19.30 | 9.55 | 45.11 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 150 | 2.4 | 6.6 |
| 1/30/2003 | -- | | 54.66 | 5.00 | 19.30 | 6.05 | 48.61 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/28/2003 | -- | | 54.66 | 5.00 | 19.30 | 8.06 | 46.60 | 74 | <0.50 | <0.50 | <0.50 | <0.50 | 43 | 1.5 | 6.9 | |
| 8/6/2003 | -- | | 54.66 | 5.00 | 19.30 | 9.91 | 44.75 | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|----------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| A-3 | 11/14/2003 | -- | | 54.66 | 5.00 | 19.30 | 9.52 | 45.14 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | P | g | 59.32 | 5.00 | 19.30 | 5.63 | 53.69 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 13 | 1.2 | 7.1 |
| | 05/04/2004 | -- | | 59.32 | 5.00 | 19.30 | 8.14 | 51.18 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | P | | 59.32 | 5.00 | 19.30 | 10.10 | 49.22 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 62 | 1.3 | 6.6 |
| | 11/10/2004 | -- | | 59.32 | 5.00 | 19.30 | 7.89 | 51.43 | -- | -- | -- | -- | -- | -- | -- | -- |
| A-4 | 6/21/2000 | -- | | 54.73 | 5.00 | 19.60 | 9.49 | 45.24 | 2,100 | 110 | 2.1 | 11 | 5.9 | 2,000 | -- | -- |
| | 9/20/2000 | -- | | 54.73 | 5.00 | 19.60 | 10.33 | 44.40 | 1,540 | 127 | <5.0 | 9.07 | 7.42 | 1,940 | -- | -- |
| | 12/26/2000 | -- | | 54.73 | 5.00 | 19.60 | 9.34 | 45.39 | 1,550 | 42.7 | <5.0 | 11 | 10.9 | 1,210 | -- | -- |
| | 3/20/2001 | -- | | 54.73 | 5.00 | 19.60 | 7.56 | 47.17 | 913 | 40.9 | <5.0 | 15.5 | 14.6 | <25 | -- | -- |
| | 6/12/2001 | -- | | 54.73 | 5.00 | 19.60 | 9.83 | 44.90 | 2,000 | 230 | <20 | 21 | <20 | 4,700 | -- | -- |
| | 9/23/2001 | -- | | 54.73 | 5.00 | 19.60 | 10.54 | 44.19 | 1,600 | 35 | <10 | <10 | <10 | 3,000 | -- | -- |
| | 12/31/2001 | -- | | 54.73 | 5.00 | 19.60 | 5.42 | 49.31 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 880 | -- | -- |
| | 3/21/2002 | -- | | 54.73 | 5.00 | 19.60 | 6.18 | 48.55 | <5,000 | <50 | <50 | <50 | <50 | 1,400 | -- | -- |
| | 4/17/2002 | -- | | 54.73 | 5.00 | 19.60 | 7.34 | 47.39 | 1,300 | 79 | 31 | 17 | 55 | 2,200 | -- | -- |
| | 8/12/2002 | P | a | 54.73 | 5.00 | 19.60 | 9.56 | 45.17 | 2,400 | 120 | <5.0 | <5.0 | <5.0 | 2,100 | 2 | 7.2 |
| | 12/6/2002 | P | | 54.73 | 5.00 | 19.60 | 10.02 | 44.71 | 2,200 | 110 | 10 | 42 | 56 | 2,000 | -- | 6.7 |
| | 1/30/2003 | P | | 54.73 | 5.00 | 19.60 | 7.55 | 47.18 | 6,000 | 180 | <50 | 85 | <50 | 2,100 | 1.8 | 6.8 |
| | 5/28/2003 | -- | | 54.73 | 5.00 | 19.60 | 8.94 | 45.79 | 6,000 | 120 | <50 | <50 | <50 | 2,500 | 1.5 | 6.7 |
| | 8/6/2003 | -- | | 54.73 | 5.00 | 19.60 | 10.03 | 44.70 | 5,800 | 100 | <25 | <25 | 33 | 2,500 | 1.5 | 6.7 |
| | 11/14/2003 | P | d, f | 54.73 | 5.00 | 19.60 | 10.37 | 44.36 | 1,000 | 17 | <5.0 | <5.0 | <5.0 | 310 | 1.6 | 6.8 |
| | 02/02/2004 | P | d, g | 59.59 | 5.00 | 19.60 | 6.70 | 52.89 | 3,600 | 46 | <25 | <25 | <25 | 1,500 | 1.0 | 7.1 |
| | 05/04/2004 | P | d | 59.59 | 5.00 | 19.60 | 9.12 | 50.47 | -- | -- | -- | -- | -- | -- | 6.4 | 6.8 |
| | 09/02/2004 | P | | 59.59 | 5.00 | 19.60 | 9.95 | 49.64 | 3,000 | <25 | <25 | <25 | <25 | 1,200 | 9.1 | 6.8 |
| | 11/10/2004 | P | | 59.59 | 5.00 | 19.60 | 8.68 | 50.91 | 1,800 | 16 | <10 | <10 | <10 | 1,100 | 2.0 | 7.2 |
| A-5 | 6/21/2000 | -- | | 54.17 | 3.00 | 24.00 | 9.29 | 44.88 | 980 | <0.5 | <0.5 | <0.5 | <1.0 | 2,000 | -- | -- |
| | 9/20/2000 | -- | | 54.17 | 3.00 | 24.00 | 10.23 | 43.94 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 54.17 | 3.00 | 24.00 | 9.65 | 44.52 | 525 | <0.5 | <0.5 | <0.5 | <0.5 | 1,200 | -- | -- |
| | 3/20/2001 | -- | | 54.17 | 3.00 | 24.00 | 8.05 | 46.12 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 54.17 | 3.00 | 24.00 | 9.81 | 44.36 | 830 | <5.0 | <5.0 | <5.0 | <5.0 | 3,200 | -- | -- |
| | 9/23/2001 | -- | | 54.17 | 3.00 | 24.00 | 10.42 | 43.75 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 54.17 | 3.00 | 24.00 | 6.03 | 48.14 | 320 | <0.5 | <0.5 | <0.5 | <0.5 | 60 | -- | -- |
| | 3/21/2002 | -- | | 54.17 | 3.00 | 24.00 | 6.71 | 47.46 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 54.17 | 3.00 | 24.00 | 8.01 | 46.16 | 1,600 | <10 | <10 | <10 | <10 | 3,200 | -- | -- |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|-----------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| A-5 | 8/12/2002 | -- | | 54.17 | 3.00 | 24.00 | 9.87 | 44.30 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | P | | 54.17 | 3.00 | 24.00 | 9.66 | 44.51 | 310 | <0.50 | <0.50 | <0.50 | <0.50 | 330 | 1.9 | 6.6 |
| | 1/30/2003 | -- | | 54.17 | 3.00 | 24.00 | 7.67 | 46.50 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 54.17 | 3.00 | 24.00 | 8.56 | 45.61 | <5,000 | <50 | <50 | <50 | <50 | 1,500 | 1.6 | 6.6 |
| | 8/6/2003 | -- | | 54.17 | 3.00 | 24.00 | 9.58 | 44.59 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 54.17 | 3.00 | 24.00 | 9.81 | 44.36 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | P | g | 54.17 | 3.00 | 24.00 | 7.43 | 46.74 | 390 | <2.5 | 9.2 | <2.5 | 2.6 | 140 | 1.0 | 6.8 |
| | 02/02/2004 | P | g | 58.78 | 3.00 | 24.00 | 7.43 | 51.35 | 390 | <2.5 | 9.2 | <2.5 | 2.6 | 140 | 1.0 | 6.8 |
| | 05/04/2004 | -- | | 58.78 | 3.00 | 24.00 | 9.98 | 48.80 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | P | | 58.78 | 3.00 | 24.00 | 9.65 | 49.13 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 66 | 1.1 | 6.4 |
| | 11/10/2004 | -- | | 58.78 | 3.00 | 24.00 | 8.48 | 50.30 | -- | -- | -- | -- | -- | -- | -- | -- |
| A-6 | 6/21/2000 | -- | | 55.17 | 2.00 | 25.00 | 8.67 | 46.50 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <3.0 | -- | -- |
| | 9/20/2000 | -- | | 55.17 | 2.00 | 25.00 | 9.34 | 45.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 12/26/2000 | -- | | 55.17 | 2.00 | 25.00 | 8.65 | 46.52 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 3/20/2001 | -- | | 55.17 | 2.00 | 25.00 | 6.84 | 48.33 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 6/12/2001 | -- | | 55.17 | 2.00 | 25.00 | 8.93 | 46.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7 | -- | -- |
| | 9/23/2001 | -- | | 55.17 | 2.00 | 25.00 | 9.74 | 45.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 12/31/2001 | -- | | 55.17 | 2.00 | 25.00 | 4.81 | 50.36 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.2 | -- | -- |
| | 3/21/2002 | -- | | 55.17 | 2.00 | 25.00 | 5.44 | 49.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 4/17/2002 | -- | | 55.17 | 2.00 | 25.00 | 6.95 | 48.22 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.1 | -- | -- |
| | 8/12/2002 | NP | | 55.17 | 2.00 | 25.00 | 8.90 | 46.27 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | 4.3 | 7.9 |
| | 12/6/2002 | -- | e | 55.17 | 2.00 | 25.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | e | 55.17 | 2.00 | 25.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | e | 55.17 | 2.00 | 25.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/6/2003 | -- | e | 55.17 | 2.00 | 25.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-7 | 6/21/2000 | -- | | 54.71 | 4.80 | 22.60 | 8.58 | 46.13 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | <3.0 | -- | -- |
| | 9/20/2000 | -- | | 54.71 | 4.80 | 22.60 | 9.19 | 45.52 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 54.71 | 4.80 | 22.60 | 8.50 | 46.21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/20/2001 | -- | | 54.71 | 4.80 | 22.60 | 6.75 | 47.96 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 54.71 | 4.80 | 22.60 | 8.80 | 45.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 9/23/2001 | -- | | 54.71 | 4.80 | 22.60 | 9.59 | 45.12 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 54.71 | 4.80 | 22.60 | 4.78 | 49.93 | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/21/2002 | -- | | 54.71 | 4.80 | 22.60 | 5.35 | 49.36 | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|------------|------------|-----------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| A-7 | 4/17/2002 | -- | | 54.71 | 4.80 | 22.60 | 6.88 | 47.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.5 | -- | -- |
| | 8/12/2002 | -- | | 54.71 | 4.80 | 22.60 | 8.77 | 45.94 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | -- | | 54.71 | 4.80 | 22.60 | 9.07 | 45.64 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | | 54.71 | 4.80 | 22.60 | 6.65 | 48.06 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 54.71 | 4.80 | 22.60 | 7.63 | 47.08 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.8 | 2.3 | 6.7 |
| | 8/6/2003 | -- | | 54.71 | 4.80 | 22.60 | 8.90 | 45.81 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 54.71 | 4.80 | 22.60 | 9.08 | 45.63 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 54.71 | 4.80 | 22.60 | 5.96 | 48.75 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 59.75 | 4.80 | 22.60 | 5.96 | 53.79 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/04/2004 | -- | | 59.75 | 4.80 | 22.60 | 8.21 | 51.54 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | P | | 59.75 | 4.80 | 22.60 | 9.02 | 50.73 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 8.9 | 3.0 | 6.7 |
| | 11/10/2004 | -- | | 59.75 | 4.80 | 22.60 | 7.50 | 52.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| | A-8 | 6/21/2000 | -- | | 53.77 | 2.00 | 20.00 | 9.07 | 44.70 | 810 | <0.5 | <0.5 | <0.5 | 810 | 1,500 | -- |
| 9/20/2000 | | -- | | 53.77 | 2.00 | 20.00 | 9.72 | 44.05 | 10,800 | 2,680 | 46 | 439 | 370 | 4,410 | -- | -- |
| 12/26/2000 | | -- | | 53.77 | 2.00 | 20.00 | 9.20 | 44.57 | 7,700 | 1,440 | <50 | 202 | 106 | 2,230 | -- | -- |
| 3/20/2001 | | -- | | 53.77 | 2.00 | 20.00 | 7.51 | 46.26 | <5,000 | 1,280 | <50 | 53.9 | <50 | 2,880 | -- | -- |
| 6/12/2001 | | -- | | 53.77 | 2.00 | 20.00 | 9.53 | 44.24 | 5,600 | 1,700 | <50 | 61 | 54 | 2,900 | -- | -- |
| 9/23/2001 | | -- | | 53.77 | 2.00 | 20.00 | 10.08 | 43.69 | 10,000 | 3,500 | <50 | 110 | 64 | 6,500 | -- | -- |
| 12/31/2001 | | -- | | 53.77 | 2.00 | 20.00 | 4.34 | 49.43 | 4,300 | 610 | <10 | 60 | 24 | 520 | -- | -- |
| 3/21/2002 | | -- | | 53.77 | 2.00 | 20.00 | 6.67 | 47.10 | 6,600 | 1,400 | <50 | 130 | <50 | 2,700 | -- | -- |
| 4/17/2002 | | -- | | 53.77 | 2.00 | 20.00 | 7.72 | 46.05 | 3,800 | 540 | <10 | <10 | 12 | 3,100 | -- | -- |
| 8/12/2002 | | NP | | 53.77 | 2.00 | 20.00 | 9.64 | 44.13 | 9,400 | 1,800 | <20 | 35 | 28 | 4,200 | 1 | 6.7 |
| 12/6/2002 | | NP | b | 53.77 | 2.00 | 20.00 | 9.62 | 44.15 | 5,300 | 1,100 | 11 | 11 | <10 | 2,200 | 1.4 | 6.7 |
| 1/30/2003 | | NP | | 53.77 | 2.00 | 20.00 | 7.49 | 46.28 | <10,000 | 1,100 | <100 | <100 | <100 | 2,200 | 1.5 | 6.9 |
| 5/28/2003 | | -- | | 53.77 | 2.00 | 20.00 | 9.17 | 44.60 | 7,700 | 1,700 | <50 | <50 | <50 | 2,100 | 1 | 6.8 |
| 8/6/2003 | | -- | | 53.77 | 2.00 | 20.00 | 9.67 | 44.10 | 13,000 | 2,400 | <50 | <50 | <50 | 3,000 | 0.9 | 6.5 |
| 11/14/2003 | | NP | d | 53.77 | 2.00 | 20.00 | 9.80 | 43.97 | 3,100 | 570 | <5.0 | <5.0 | <5.0 | 850 | 2.3 | 6.2 |
| 02/02/2004 | NP | d, g | 58.70 | 2.00 | 20.00 | 7.10 | 51.60 | 3,900 | 300 | <25 | <25 | <25 | 1,100 | 1.1 | 6.8 | |
| 05/04/2004 | NP | | 58.70 | 2.00 | 20.00 | 9.44 | 49.26 | -- | -- | -- | -- | -- | -- | 1.0 | 6.9 | |
| 09/02/2004 | NP | | 58.70 | 2.00 | 20.00 | 9.67 | 49.03 | <2,500 | 30 | <25 | <25 | <25 | 680 | 1.0 | 6.2 | |
| 11/10/2004 | NP | | 58.70 | 2.00 | 20.00 | 8.15 | 50.55 | 580 | 61 | <2.5 | <2.5 | <2.5 | 290 | 1.5 | 6.4 | |
| A-9 | 6/21/2000 | -- | | 53.04 | 5.00 | 38.00 | 8.56 | 44.48 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 5 | -- | -- |
| | 9/20/2000 | -- | | 53.04 | 5.00 | 38.00 | 9.05 | 43.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|------------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| A-9 | 12/26/2000 | -- | | 53.04 | 5.00 | 38.00 | 8.49 | 44.55 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 | -- | -- |
| | 3/20/2001 | -- | | 53.04 | 5.00 | 38.00 | 6.95 | 46.09 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 | -- | -- |
| | 6/12/2001 | -- | | 53.04 | 5.00 | 38.00 | 8.67 | 44.37 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 4.8 | -- | -- |
| | 9/23/2001 | -- | | 53.04 | 5.00 | 38.00 | 9.21 | 43.83 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 | -- | -- |
| | 12/31/2001 | -- | | 53.04 | 5.00 | 38.00 | 4.57 | 48.47 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 | -- | -- |
| | 3/21/2002 | -- | | 53.04 | 5.00 | 38.00 | 5.60 | 47.44 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 | -- | -- |
| | 4/17/2002 | -- | | 53.04 | 5.00 | 38.00 | 6.89 | 46.15 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.5 | -- | -- |
| | 8/12/2002 | P | | 53.04 | 5.00 | 38.00 | 8.71 | 44.33 | < 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.5 | 4 | 7.6 |
| | 12/6/2002 | P | | 53.04 | 5.00 | 38.00 | 8.77 | 44.27 | < 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 | 1.1 | 6.7 |
| | 1/30/2003 | P | | 53.04 | 5.00 | 38.00 | 6.88 | 46.16 | < 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.1 | 0.9 | 6.8 |
| | 5/28/2003 | -- | | 53.04 | 5.00 | 38.00 | 9.75 | 43.29 | < 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.74 | 1.9 | 6.8 |
| | 8/6/2003 | -- | | 53.04 | 5.00 | 38.00 | 9.00 | 44.04 | < 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.8 | 2.2 | 6.7 |
| | 11/14/2003 | -- | d | 53.04 | 5.00 | 38.00 | 8.82 | 44.22 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | d, g | 57.73 | 5.00 | 38.00 | 7.10 | 50.63 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/02/2004 | P | | 57.73 | 5.00 | 38.00 | 8.78 | 48.95 | < 50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 6.6 | 6.5 | |
| 11/10/2004 | -- | | 57.73 | 5.00 | 38.00 | 7.88 | 49.85 | -- | -- | -- | -- | -- | -- | -- | -- | |
| A-10 | 6/21/2000 | -- | | 54.26 | -- | -- | 10.47 | 43.79 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/20/2000 | -- | | 54.26 | -- | -- | 10.76 | 43.50 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/20/2001 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/23/2001 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/21/2002 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/12/2002 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/6/2003 | -- | | 54.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 54.26 | -- | -- | 10.37 | 43.89 | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/02/2004 | -- | g | 59.39 | -- | -- | 7.97 | 51.42 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 05/04/2004 | -- | | 59.39 | -- | -- | 8.69 | 50.70 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 09/02/2004 | P | | 59.39 | -- | -- | 10.55 | 48.84 | < 500 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 270 | 0.8 | 6.6 |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|----------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| A-10 | 11/10/2004 | -- | | 59.39 | -- | -- | 9.16 | 50.23 | -- | -- | -- | -- | -- | -- | -- | -- |
| A-11 | 6/21/2000 | -- | | 53.74 | 5.00 | 28.00 | 9.54 | 44.20 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 4 | -- | -- |
| | 9/20/2000 | -- | | 53.74 | 5.00 | 28.00 | 10.62 | 43.12 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 53.74 | 5.00 | 28.00 | 10.03 | 43.71 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | <2.5 | -- | -- |
| | 3/20/2001 | -- | | 53.74 | 5.00 | 28.00 | 8.49 | 45.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 53.74 | 5.00 | 28.00 | 10.21 | 43.53 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | <2.5 | -- | -- |
| | 9/23/2001 | -- | | 53.74 | 5.00 | 28.00 | 10.77 | 42.97 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 53.74 | 5.00 | 28.00 | 6.06 | 47.68 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | <2.5 | -- | -- |
| | 3/21/2002 | -- | | 53.74 | 5.00 | 28.00 | 7.14 | 46.60 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 53.74 | 5.00 | 28.00 | 8.41 | 45.33 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 8/12/2002 | -- | | 53.74 | 5.00 | 28.00 | 10.25 | 43.49 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | P | | 53.74 | 5.00 | 28.00 | 10.43 | 43.31 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0 | 2.4 | 6.7 |
| | 1/30/2003 | -- | | 53.74 | 5.00 | 28.00 | 8.42 | 45.32 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 53.74 | 5.00 | 28.00 | 9.30 | 44.44 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.53 | 1.8 | 7 |
| | 8/6/2003 | -- | | 53.74 | 5.00 | 28.00 | 10.28 | 43.46 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 53.74 | 5.00 | 28.00 | 10.40 | 43.34 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 59.16 | 5.00 | 28.00 | 7.95 | 51.21 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/04/2004 | -- | | 59.16 | 5.00 | 28.00 | 8.72 | 50.44 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | P | | 59.16 | 5.00 | 28.00 | 10.44 | 48.72 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.6 | 6.6 |
| | 11/10/2004 | -- | | 59.16 | 5.00 | 28.00 | 9.20 | 49.96 | -- | -- | -- | -- | -- | -- | -- | -- |
| A-12 | 6/21/2000 | -- | | 52.05 | 5.00 | 30.00 | 9.28 | 42.77 | <50 | <0.5 | <0.5 | <0.5 | <1.0 | 18 | -- | -- |
| | 9/20/2000 | -- | | 52.05 | 5.00 | 30.00 | 9.55 | 42.50 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 52.05 | 5.00 | 30.00 | 9.05 | 43.00 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | 17.3 | -- | -- |
| | 3/20/2001 | -- | | 52.05 | 5.00 | 30.00 | 7.92 | 44.13 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 52.05 | 5.00 | 30.00 | 9.26 | 42.79 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | 25 | -- | -- |
| | 9/23/2001 | -- | | 52.05 | 5.00 | 30.00 | 9.68 | 42.37 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 52.05 | 5.00 | 30.00 | 5.74 | 46.31 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | 9.5 | -- | -- |
| | 3/21/2002 | -- | | 52.05 | 5.00 | 30.00 | 6.64 | 45.41 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 52.05 | 5.00 | 30.00 | 7.68 | 44.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 29 | -- | -- |
| | 8/12/2002 | -- | | 52.05 | 5.00 | 30.00 | 9.30 | 42.75 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/06/02 | P | c | 52.05 | 5.00 | 30.00 | 9.38 | 42.67 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 13 | 2.3 | 6.5 |
| | 1/30/2003 | -- | | 52.05 | 5.00 | 30.00 | 7.87 | 44.18 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 52.05 | 5.00 | 30.00 | 8.51 | 43.54 | 50 | <0.50 | <0.50 | <0.50 | <0.50 | 10 | 1.4 | 7 |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|------------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|---------------------|----------------------|-------------|-----------|-----|
| A-12 | 8/6/2003 | -- | | 52.05 | 5.00 | 30.00 | 9.28 | 42.77 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 52.05 | 5.00 | 30.00 | 9.37 | 42.68 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | P | g | 57.06 | 5.00 | 30.00 | 7.90 | 49.16 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.91 | 1.0 | 6.9 |
| | 05/04/2004 | -- | | 57.06 | 5.00 | 30.00 | 8.74 | 48.32 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | P | | 57.06 | 5.00 | 30.00 | 9.41 | 47.65 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.2 | 1.1 | 6.5 |
| | 11/10/2004 | -- | | 57.06 | 5.00 | 30.00 | 8.32 | 48.74 | -- | -- | -- | -- | -- | -- | -- | -- |
| A-13 | 6/21/2000 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/20/2000 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/20/2001 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/23/2001 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 55.11 | 10.00 | 29.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/21/2002 | -- | | 55.11 | 10.00 | 29.50 | 6.70 | 48.41 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 55.11 | 10.00 | 29.50 | 7.95 | 47.16 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- |
| | 8/12/2002 | -- | | 55.11 | 10.00 | 29.50 | 10.11 | 45.00 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | -- | | 55.11 | 10.00 | 29.50 | 10.26 | 44.85 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | | 55.11 | 10.00 | 29.50 | 7.81 | 47.30 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 55.11 | 10.00 | 29.50 | 9.06 | 46.05 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.9 | 6.5 |
| | 8/6/2003 | -- | | 55.11 | 10.00 | 29.50 | 10.22 | 44.89 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 55.11 | 10.00 | 29.50 | 10.27 | 44.84 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 60.26 | 10.00 | 29.50 | 7.92 | 52.34 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/04/2004 | -- | | 60.26 | 10.00 | 29.50 | 10.06 | 50.20 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 09/02/2004 | P | | 60.26 | 10.00 | 29.50 | 10.34 | 49.92 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 2.0 | 6.6 | |
| 11/10/2004 | -- | | 60.26 | 10.00 | 29.50 | 8.95 | 51.31 | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-1 | 6/21/2000 | -- | | 54.72 | 10.00 | 31.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/20/2000 | -- | | 54.72 | 10.00 | 31.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 54.72 | 10.00 | 31.50 | 9.95 | 44.77 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/20/2001 | -- | | 54.72 | 10.00 | 31.50 | 8.34 | 46.38 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 54.72 | 10.00 | 31.50 | 10.17 | 44.55 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/23/2001 | -- | | 54.72 | 10.00 | 31.50 | 10.72 | 44.00 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 54.72 | 10.00 | 31.50 | 5.91 | 48.81 | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/21/2002 | -- | | 54.72 | 10.00 | 31.50 | 7.00 | 47.72 | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|------------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|----|
| AR-1 | 4/17/2002 | -- | | 54.72 | 10.00 | 31.50 | 8.33 | 46.39 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/12/2002 | -- | | 54.72 | 10.00 | 31.50 | 10.18 | 44.54 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | -- | | 54.72 | 10.00 | 31.50 | 10.21 | 44.51 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | | 54.72 | 10.00 | 31.50 | 8.22 | 46.50 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 54.72 | 10.00 | 31.50 | 9.62 | 45.10 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/6/2003 | -- | | 54.72 | 10.00 | 31.50 | 10.47 | 44.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | d | 54.72 | 10.00 | 31.50 | 10.40 | 44.32 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | d, g | 59.52 | 10.00 | 31.50 | 7.96 | 51.56 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/04/2004 | -- | d | 59.52 | 10.00 | 31.50 | 10.17 | 49.35 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | -- | | 59.52 | 10.00 | 31.50 | 10.28 | 49.24 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/10/2004 | -- | | 59.52 | 10.00 | 31.50 | 9.15 | 50.37 | -- | -- | -- | -- | -- | -- | -- | -- |
| AR-2 | 6/21/2000 | -- | | 54.77 | 10.00 | 27.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/20/2000 | -- | | 54.77 | 10.00 | 27.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 54.77 | 10.00 | 27.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/20/2001 | -- | | 54.77 | 10.00 | 27.50 | 3.13 | 51.64 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 54.77 | 10.00 | 27.50 | 4.51 | 50.26 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/23/2001 | -- | | 54.77 | 10.00 | 27.50 | 6.05 | 48.72 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 54.77 | 10.00 | 27.50 | 2.79 | 51.98 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/21/2002 | -- | | 54.77 | 10.00 | 27.50 | 7.75 | 47.02 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 54.77 | 10.00 | 27.50 | 2.24 | 52.53 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/12/2002 | -- | | 54.77 | 10.00 | 27.50 | 4.93 | 49.84 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | -- | | 54.77 | 10.00 | 27.50 | 6.09 | 48.68 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | | 54.77 | 10.00 | 27.50 | 3.89 | 50.88 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 54.77 | 10.00 | 27.50 | 3.33 | 51.44 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/6/2003 | -- | | 54.77 | 10.00 | 27.50 | 5.05 | 49.72 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 54.77 | 10.00 | 27.50 | 6.01 | 48.76 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 59.18 | 10.00 | 27.50 | 3.88 | 55.30 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/04/2004 | -- | | 59.18 | 10.00 | 27.50 | 6.01 | 53.17 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/02/2004 | -- | | 59.18 | 10.00 | 27.50 | 5.65 | 53.53 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/10/2004 | -- | | 59.18 | 10.00 | 27.50 | 5.48 | 53.70 | -- | -- | -- | -- | -- | -- | -- | -- | |
| AR-3 | 6/21/2000 | -- | | 54.19 | 10.00 | 27.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/20/2000 | -- | | 54.19 | 10.00 | 27.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/26/2000 | -- | | 54.19 | 10.00 | 27.00 | 9.70 | 44.49 | -- | -- | -- | -- | -- | -- | -- | -- |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| Well No. | Date | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen | Bottom of Screen | DTW (ft bgs) | GWE (ft MSL) | GRO/ TPH-g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | DO (mg/L) | pH |
|----------|------------|-------|---------------------|--------------|---------------|------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|----|
| AR-3 | 3/20/2001 | -- | | 54.19 | 10.00 | 27.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/12/2001 | -- | | 54.19 | 10.00 | 27.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/23/2001 | -- | | 54.19 | 10.00 | 27.00 | 10.43 | 43.76 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/31/2001 | -- | | 54.19 | 10.00 | 27.00 | 5.18 | 49.01 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/21/2002 | -- | | 54.19 | 10.00 | 27.00 | 6.78 | 47.41 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/17/2002 | -- | | 54.19 | 10.00 | 27.00 | 8.06 | 46.13 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/12/2002 | -- | | 54.19 | 10.00 | 27.00 | 9.94 | 44.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/6/2002 | -- | | 54.19 | 10.00 | 27.00 | 9.99 | 44.20 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 1/30/2003 | -- | | 54.19 | 10.00 | 27.00 | 7.96 | 46.23 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/28/2003 | -- | | 54.19 | 10.00 | 27.00 | 8.94 | 45.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/6/2003 | -- | | 54.19 | 10.00 | 27.00 | 9.94 | 44.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/14/2003 | -- | | 54.19 | 10.00 | 27.00 | 10.03 | 44.16 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/02/2004 | -- | g | 59.10 | 10.00 | 27.00 | 6.90 | 52.20 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/04/2004 | -- | | 59.10 | 10.00 | 27.00 | 9.12 | 49.98 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/02/2004 | -- | | 59.10 | 10.00 | 27.00 | 10.15 | 48.95 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/10/2004 | -- | | 59.10 | 10.00 | 27.00 | 8.79 | 50.31 | -- | -- | -- | -- | -- | -- | -- | -- |

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in feet below ground surface
ft bgs = feet below ground surface
ft MSL = feet above mean sea level
GRO = Gasoline Range Organics, range C4-C12
GWE = Groundwater elevation measured in feet above mean sea level
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Not Purged
P = Purge
TOC = Top of casing measured in feet above mean sea level
TPH-g = Total petroleum hydrocarbons as gasoline
ug/L = Micrograms per liter

FOOTNOTES:

a = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel for GRO/TPH-g.
b = The concentration indicated for this analyte (MTBE) is an estimated value above the calibration range of the instrument.
c = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
d = ORC sock in well.
e = Well inaccessible; well paved over.
f = Sheen in well.
g = Well surveyed to NAVD '88 datum on January 28, 2004.

NOTES:

Beginning in the first quarter 2003 (1/30/2003), groundwater samples were analyzed by EPA method 8260B for TPH-g, BTEX, and fuel oxygenates. Prior to 1/30/03, TPH-g was analyzed using EPA Method 8015B modified and MTBE by 8021B unless otherwise noted.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. Total petroleum hydrocarbons as gasoline (TPH-g) has been changed to gasoline range organics (GRO). The resulting data may be impacted by the potential of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12

Values for dissolved oxygen (DO) and pH were obtained through field measurements.

Source : The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #4931

731 West MacArthur Blvd., Oakland, CA

| 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) | Footnotes/Comments |
|-------------|--------------|----------------|------------|-------------|-------------|-------------|-------------|----------------|------------|--------------------|
| A-2 | 1/30/2003 | <40 | <20 | -- | <0.50 | <0.50 | <0.50 | -- | -- | a |
| | 5/28/2003 | <100 | <20 | 1.1 | <0.50 | <0.50 | <0.50 | -- | -- | |
| | 8/6/2003 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| A-3 | 1/30/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5/28/2003 | <100 | <20 | 43 | <0.50 | <0.50 | 24 | -- | -- | |
| | 8/6/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 02/02/2004 | <100 | <20 | 13 | <0.50 | <0.50 | 4.6 | <0.50 | <0.50 | |
| | 09/02/2004 | <500 | <100 | 62 | <2.5 | <2.5 | 15 | <2.5 | <2.5 | |
| A-4 | 1/30/2003 | <4,000 | <2,000 | 2,100 | <50 | <50 | 530 | -- | -- | a |
| | 5/28/2003 | <10,000 | <2,000 | 2,500 | <50 | <50 | 590 | -- | -- | |
| | 8/6/2003 | <5,000 | <1,000 | 2,500 | <25 | <25 | 560 | <25 | <25 | |
| | 11/14/2003 | <1,000 | 320 | 310 | <5.0 | <5.0 | 76 | -- | -- | |
| | 02/02/2004 | <5,000 | <1,000 | 1,500 | <25 | <25 | 350 | <25 | <25 | |
| | 09/02/2004 | <5,000 | 1,200 | 1,200 | <25 | <25 | 280 | <25 | <25 | |
| | 11/10/2004 | <2,000 | 910 | 1,100 | <10 | <10 | 270 | <10 | <10 | |
| A-5 | 1/30/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5/28/2003 | <10,000 | <2,000 | 1,500 | <50 | <50 | 620 | -- | -- | |
| | 8/6/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 02/02/2004 | <500 | 170 | 140 | <2.5 | <2.5 | 54 | <2.5 | <2.5 | |
| | 09/02/2004 | <500 | 150 | 66 | <2.5 | <2.5 | 29 | <2.5 | <2.5 | |
| A-7 | 1/30/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5/28/2003 | <100 | <20 | 3.8 | <0.50 | <0.50 | 0.94 | -- | -- | |
| | 8/6/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 09/02/2004 | <100 | <20 | 8.9 | <0.50 | <0.50 | 3.0 | <0.50 | <0.50 | |
| A-8 | 1/30/2003 | <8,000 | <4,000 | 2,200 | <100 | <100 | 900 | -- | -- | a |
| | 5/28/2003 | <10,000 | <2,000 | 2,100 | <50 | <50 | 1,100 | -- | -- | |
| | 8/6/2003 | <10,000 | <2,000 | 3,000 | <50 | <50 | 1,200 | <50 | <50 | |
| | 11/14/2003 | <1,000 | <200 | 850 | <5.0 | <5.0 | 320 | -- | -- | |
| | 02/02/2004 | <5,000 | <1,000 | 1,100 | <25 | <25 | 380 | <25 | <25 | |
| | 09/02/2004 | <5,000 | <1,000 | 680 | <25 | <25 | 170 | <25 | <25 | |
| | 11/10/2004 | <500 | <100 | 290 | <2.5 | <2.5 | 66 | <2.5 | <2.5 | |

Table 2

Fuel Additives Analytical Data
ARCO Service Station #4931
731 West MacArthur Blvd., Oakland, CA

| 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) | Footnotes/Comments |
|-------------|--------------|----------------|------------|-------------|-------------|-------------|-------------|----------------|------------|--------------------|
| A-9 | 1/30/2003 | <40 | <20 | 1.1 | <0.50 | <0.50 | <0.50 | -- | -- | |
| | 5/28/2003 | <100 | <20 | 0.74 | <0.50 | <0.50 | <0.50 | -- | -- | |
| | 8/6/2003 | <100 | <20 | 1.8 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| | 09/02/2004 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| A-10 | 09/02/2004 | <1,000 | <200 | 270 | <5.0 | <5.0 | 44 | <5.0 | <5.0 | |
| A-11 | 1/30/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5/28/2003 | <100 | <20 | 0.53 | <0.50 | <0.50 | <0.50 | -- | -- | |
| | 8/6/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 09/02/2004 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| A-12 | 1/30/2003 | NS | NS | -- | NS | NS | NS | NA | NA | |
| | 5/28/2003 | <100 | <20 | 10 | <0.50 | <0.50 | 2.5 | NA | NA | |
| | 8/6/2003 | NS | NS | -- | NS | NS | NS | NS | NS | |
| | 02/02/2004 | <100 | <20 | 0.91 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| | 09/02/2004 | <100 | <20 | 6.2 | <0.50 | <0.50 | 1.7 | <0.50 | <0.50 | |
| A-13 | 1/30/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5/28/2003 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | -- | -- | |
| | 8/6/2003 | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 09/02/2004 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |

Table 2

Fuel Additives Analytical Data ARCO Service Station #4931 731 West MacArthur Blvd., Oakland, CA

ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above the laboratory reporting limit.
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
ug/L = Micrograms per Liter

FOOTNOTES:

a = The result for TBA was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

NOTES:

All volatile organic compounds (Ethanol, TBA, MTBE, DIPE, ETBE, and TAME) analyzed using EPA Method 8260B.

Source : The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 3

Groundwater Gradient Data
ARCO Service Station #4931
731 West MacArthur Blvd., Oakland, CA

| Date Sampled | Approximate Flow Direction | Approximate Hydraulic Gradient |
|---------------------|-----------------------------------|---------------------------------------|
| 6/21/2000 | West-Southwest | 0.031 |
| 9/20/2000 | Southwest | 0.013 |
| 12/26/2000 | West | 0.028 |
| 3/20/2001 | West | 0.046 |
| 6/12/2001 | West | 0.014 |
| 9/23/2001 | West | 0.012 |
| 12/31/2001 | West | 0.024 |
| 3/21/2002 | West | 0.047 |
| 4/17/2002 | West | 0.03 |
| 8/12/2002 | West | 0.016 |
| 12/6/2002 | West | 0.015 |
| 1/30/2003 | West | Variable |
| 5/28/2003 | Westward | 0.022 a |
| 8/6/2003 | West-Southwest | 0.018 |
| 11/14/2003 | West | 0.02 |
| 2/2/2004 | West | 0.04 |
| 5/4/2004 | West to North | 0.025 to 0.033 |
| 9/2/2004 | West | 0.033 |
| 11/10/2004 | West | 0.031 |

FOOTNOTES:

a = using wells AR-1 and A-9

NOTES:

Source : The data within this table collected prior to August 2002 was provided to URS by RM 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™ 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 # 041110-551 Date 11/10/04 Client Arco 4931

Site 731 W. MacArthur Blvd., Oakland

| 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 | |
|---------|-----------------|------------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|-------------------------------------------|
| A-2 | 4 | | | | | 6.10 | 19.45 | TOC | G.O. |
| A-3 | 4 | | | | | 7.89 | 16.25 | | G.O. |
| A-4 | 4 | no SPH detected. | | | | 8.68 | 19.42 | | |
| A-5 | 3 | | | | | 8.48 | 24.54 | | G.O. <small>NO I SPH C.H.</small> |
| A-6 | | PAVED OVER | | | | — | — | | NPA@2' |
| A-7 | 3 | | | | | 7.50 | 22.15 | | G.O. |
| A-8 | 3 | | | | | 8.15 | 18.59 | | NPA@2' |
| A-89 | 6 | | | | | 7.88 | 38.03 | | G.O. |
| A-10 | 3 | | | | | 9.16 | 29.65 | | G.O. |
| A-11 | 3 | | | | | 9.20 | 29.70 | | G.O. |
| A-12 | 3 | | | | | 8.32 | 29.73 | | G.O. |
| A-13 | 3 | | | | | 8.95 | 29.60 | | G.O. |
| AR-1 | 6 | | | | | 9.15 | 29.42 | | G.O. |
| AR-2 | 6 | | | | | 5.48 | 20.34 | | G.O. |
| AR-3 | 4 | | | | | 8.79 | 29.01 | | G.O. |
| | | | | | | | | | |
| | | | | | | | | | |

ARCO / BP WELL MONITORING DATA SHEET

| | |
|---------------------------------|-----------------------------------------|
| BTS #: <u>041110-551</u> | Station #: <u>4931</u> |
| Sampler: <u>SOOIT</u> | Date: <u>11/10/04</u> |
| Well I.D.: <u>A-4</u> | Well Diameter: 2 3 <u>4</u> 6 8 _____ |
| Total Well Depth: <u>19.42</u> | Depth to Water: <u>8.68</u> |
| 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 ² * 0.163 |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement Electric <u>Submersible</u> Extraction Pump Other: _____ | Sampling Method: <u>Disposable Bailer</u> Extraction Port Other: _____ |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|

Top of Screen: _____ 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>7</u> | x | <u>3</u> | = | <u>21</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Conductivity (mS or <u>µS</u>) | Gals. Removed | Observations |
|-------------|------------------|------------|---------------------------------|---------------|--------------------|
| <u>9:50</u> | <u>68.9</u> | <u>6.9</u> | <u>987</u> | <u>7</u> | <u>TURBID</u> |
| <u>well</u> | <u>dewatered</u> | <u>e</u> | <u>7 gal.</u> | | <u>DPW = 16.70</u> |
| <u>9:57</u> | <u>67.4</u> | <u>7.2</u> | <u>1107</u> | <u>—</u> | <u>DPW = 16.68</u> |

| | | |
|-------------------------------------------|---------------------------------------------|-----------------------------|
| Did well dewater? <u>Yes</u> No | Gallons actually evacuated: <u>7</u> | |
| Sampling Time: <u>9:58 @ site depart.</u> | Sampling Date: <u>11/10/04</u> | |
| Sample I.D.: <u>A-4</u> | Laboratory: Pace <u>Sequoia</u> Other _____ | |
| Analyzed for: GRO BTEX MTBE DRO | Other: <u>see scope</u> | |
| D.O. (if req'd): | Pre-purge: _____ mg/L | Post-purge: <u>2.0</u> mg/L |
| O.R.P. (if req'd): | Pre-purge: _____ mV | Post-purge: _____ mV |

ARCO / BP WELL MONITORING DATA SHEET

| | |
|----------------------------------------------------|---------------------------------------------------------------|
| BTS #: <u>04(1110-SS1)</u> | Station # <u>4931</u> |
| Sampler: <u>Sooch</u> | Date: <u>11/20/04</u> |
| Well I.D.: <u>A-C</u> | Well Diameter: 2 3 4 6 8 <u> </u> |
| Total Well Depth: <u> </u> | Depth to Water: <u> </u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>PVC</u> <u>Grade</u> | D.O. Meter (if req'd): <u>YSI</u> <u>HACH</u> |

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

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: <u> </u> | Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: <u> </u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

Top of Screen: 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> </u> | X | <u> </u> | = | <u> </u> Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume |

| Time | Temp (°F) | pH | Conductivity (mS or µS) | Gals. Removed | Observations |
|--------------------------------------|-----------|----|-------------------------|---------------|--------------|
| <u>well is abandoned - NO SAMPLE</u> | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input type="checkbox"/> | Gallons actually evacuated: <u> </u> |
| Sampling Time: <u> </u> | Sampling Date: <u> </u> |
| Sample I.D.: <u> </u> | Laboratory: <u>Pace</u> <u>Sequoia</u> <u>Other</u> <u> </u> |
| Analyzed for: <u>GRO</u> <u>BTEX</u> <u>MTBE</u> <u>DRO</u> <u>Other</u> <u> </u> | |
| D.O. (if req'd): <u> </u> | Pre-purge: <u> </u> mg/L Post-purge: <u> </u> mg/L |
| O.R.P. (if req'd): <u> </u> | Pre-purge: <u> </u> mV Post-purge: <u> </u> mV |

ARCO / BP WELL MONITORING DATA SHEET

| | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| BTS #: <u>041110-351</u> | Station # <u>Arco 4935</u> |
| Sampler: <u>PC</u> | Date: <u>11/10/04</u> |
| Well I.D.: <u>A-B</u> | Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/> |
| Total Well Depth: <u>18.59</u> | Depth to Water: <u>8.15</u> |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>FVG</u> Grade | D.O. Meter (if req'd): <input checked="" type="radio"/> YSI <input type="radio"/> HACH |

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

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purge Method: | Sampling Method: |
| <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____ | <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____ |

Top of Screen: 2' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

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

| Time | Temp (°F) | pH | Conductivity (mS or μ S) | Gals. Removed | Observations |
|------|-----------|-----|------------------------------|---------------|--------------|
| 952 | 68.8 | 6.4 | 745 | - | cloudy |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input type="checkbox"/> | Gallons actually evacuated: | |
| Sampling Time: <u>952</u> | Sampling Date: <u>11/10/04</u> | |
| Sample I.D.: <u>A-B</u> | Laboratory: Pace <u>Sequoia</u> Other _____ | |
| Analyzed for: <input checked="" type="checkbox"/> GRO <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> DRO | Other: <u>see coc</u> | |
| D.O. (if req'd): | Pre-purge: _____ mg/L | Post-purge: <u>1.6</u> mg/L |
| O.R.P. (if req'd): | Pre-purge: _____ mV | Post-purge: _____ 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 PLAINE 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:

4931
Station #

731 W. INTERSTATE BLVD
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. any other
rinse water _____ adjustments _____

TOTAL GALS. loaded onto
RECOVERED 7 BTS vehicle # _____

BTS event # time date
041110-551 1000 11/20/04

signature [Signature]

REC'D AT time date

[Signature] _____
unloaded by signature

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 RM have been reviewed and verified by that laboratory.



29 November, 2004

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #4931, Oakland, CA
Work Order: MNK0470

Enclosed are the results of analyses for samples received by the laboratory on 11/11/04 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

| | | |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|
| URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612 | Project: ARCO #4931, Oakland, CA Project Number: N/P Project Manager: Scott Robinson | MNK0470 Reported: 11/29/04 16:56 |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| A-4 | MNK0470-01 | Water | 11/10/04 09:58 | 11/11/04 16:45 |
| A-8 | MNK0470-02 | Water | 11/10/04 09:52 | 11/11/04 16:45 |
| TB-11102004-4931 | MNK0470-03 | Water | 11/10/04 00:00 | 11/11/04 16:45 |

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with intact custody seals.

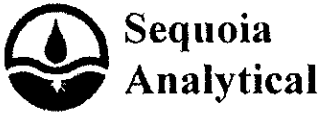
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project ARCO #4931, Oakland, CA
Project Number N/P
Project Manager: Scott Robinson

MNK0470
Reported:
11/29/04 16:56

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------------------------------------------------------|-------------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| A-4 (MNK0470-01) Water Sampled: 11/10/04 09:58 Received: 11/11/04 16:45 | | | | | | | | | |
| tert-Amyl methyl ether | 270 | 10 | ug/l | 20 | 4K16013 | 11/16/04 | 11/17/04 | EPA 8260B | |
| Benzene | 16 | 10 | " | " | " | " | " | " | |
| tert-Butyl alcohol | 910 | 400 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 10 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 10 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 10 | " | " | " | " | " | " | |
| Ethanol | ND | 2000 | " | " | " | " | " | " | IC |
| Ethyl tert-butyl ether | ND | 10 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 10 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 1100 | 10 | " | " | " | " | " | " | |
| Toluene | ND | 10 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 10 | " | " | " | " | " | " | |
| Gasoline Range Organics (C4-C12) | 1800 | 1000 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 111 % | 78-129 | " | " | " | " | " | |
| A-8 (MNK0470-02) Water Sampled: 11/10/04 09:52 Received: 11/11/04 16:45 | | | | | | | | | |
| tert-Amyl methyl ether | 66 | 2.5 | ug/l | 5 | 4K16013 | 11/16/04 | 11/17/04 | EPA 8260B | |
| Benzene | 61 | 2.5 | " | " | " | " | " | " | |
| tert-Butyl alcohol | ND | 100 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.5 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 2.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 2.5 | " | " | " | " | " | " | |
| Ethanol | ND | 500 | " | " | " | " | " | " | IC |
| Ethyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 2.5 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 290 | 2.5 | " | " | " | " | " | " | |
| Toluene | ND | 2.5 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.5 | " | " | " | " | " | " | |
| Gasoline Range Organics (C4-C12) | 580 | 250 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 114 % | 78-129 | " | " | " | " | " | |



URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: ARCO #4931, Oakland, CA
Project Number: N/P
Project Manager Scott Robinson

MNK0470
Reported:
11/29/04 16:56

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

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

Batch 4K16013 - EPA 5030B P/T / EPA 8260B

Prepared & Analyzed: 11/16/04

Blank (4K16013-BLK1)

| | | | | | | | | | | |
|----------------------------------|----|------|------|--|--|--|--|--|--|--|
| tert-Amyl methyl ether | ND | 0.50 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | " | | | | | | | |
| tert-Butyl alcohol | ND | 20 | " | | | | | | | |
| Di-isopropyl ether | ND | 0.50 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | " | | | | | | | |
| Ethanol | ND | 100 | " | | | | | | | |
| Ethyl tert-butyl ether | ND | 0.50 | " | | | | | | | |
| Ethylbenzene | ND | 0.50 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 0.50 | " | | | | | | | |
| Toluene | ND | 0.50 | " | | | | | | | |
| Xylenes (total) | ND | 0.50 | " | | | | | | | |
| Gasoline Range Organics (C4-C12) | ND | 50 | " | | | | | | | |

Surrogate: 1,2-Dichloroethane-d4

5.36

"

5.00

107

78-129

Laboratory Control Sample (4K16013-BS1)

Prepared & Analyzed: 11/16/04

| | | | | | | | | | | |
|-------------------------|------|------|------|------|--|-----|--------|--|--|--|
| tert-Amyl methyl ether | 10.2 | 0.50 | ug/l | 10.0 | | 102 | 82-140 | | | |
| Benzene | 10.4 | 0.50 | " | 10.0 | | 104 | 69-124 | | | |
| tert-Butyl alcohol | 49.3 | 20 | " | 50.0 | | 99 | 56-131 | | | |
| Di-isopropyl ether | 10.1 | 0.50 | " | 10.0 | | 101 | 76-130 | | | |
| 1,2-Dibromoethane (EDB) | 9.79 | 0.50 | " | 10.0 | | 98 | 77-132 | | | |
| 1,2-Dichloroethane | 9.10 | 0.50 | " | 10.0 | | 91 | 77-136 | | | |
| Ethanol | 171 | 100 | " | 200 | | 86 | 31-143 | | | |
| Ethyl tert-butyl ether | 10.1 | 0.50 | " | 10.0 | | 101 | 81-121 | | | |
| Ethylbenzene | 11.4 | 0.50 | " | 10.0 | | 114 | 84-132 | | | |
| Methyl tert-butyl ether | 8.94 | 0.50 | " | 10.0 | | 89 | 63-137 | | | |
| Toluene | 11.6 | 0.50 | " | 10.0 | | 116 | 78-129 | | | |
| Xylenes (total) | 34.8 | 0.50 | " | 30.0 | | 116 | 83-137 | | | |

Surrogate: 1,2-Dichloroethane-d4

4.16

"

5.00

83

78-129



| | | |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------|
| URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612 | Project ARCO #4931, Oakland, CA Project Number: N/P Project Manager: Scott Robinson | MNK0470 Reported: 11/29/04 16:56 |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------|

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

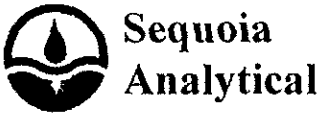
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-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

Batch 4K16013 - EPA 5030B P/T / EPA 8260B

| Laboratory Control Sample (4K16013-BS2) | | | Prepared & Analyzed: 11/16/04 | | | | | | | |
|-----------------------------------------|------|------|-------------------------------|------|--|-----|--------|--|--|--|
| Benzene | 5.57 | 0.50 | ug/l | 6.40 | | 87 | 69-124 | | | |
| Ethylbenzene | 8.12 | 0.50 | " | 7.52 | | 108 | 84-132 | | | |
| Methyl tert-butyl ether | 9.83 | 0.50 | " | 9.92 | | 99 | 63-137 | | | |
| Toluene | 33.1 | 0.50 | " | 31.9 | | 104 | 78-129 | | | |
| Xylenes (total) | 39.0 | 0.50 | " | 36.6 | | 107 | 83-137 | | | |
| Gasoline Range Organics (C4-C12) | 412 | 50 | " | 440 | | 94 | 70-124 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 5.41 | | " | 5.00 | | 108 | 78-129 | | | |

| Laboratory Control Sample Dup (4K16013-BSD1) | | | Prepared & Analyzed: 11/16/04 | | | | | | | |
|----------------------------------------------|------|------|-------------------------------|------|--|-----|--------|----|----|----|
| tert-Amyl methyl ether | 11.6 | 0.50 | ug/l | 10.0 | | 116 | 82-140 | 13 | 20 | |
| Benzene | 11.1 | 0.50 | " | 10.0 | | 111 | 69-124 | 7 | 20 | |
| tert-Butyl alcohol | 48.8 | 20 | " | 50.0 | | 98 | 56-131 | 1 | 20 | |
| Di-isopropyl ether | 11.2 | 0.50 | " | 10.0 | | 112 | 76-130 | 10 | 20 | |
| 1,2-Dibromoethane (EDB) | 11.4 | 0.50 | " | 10.0 | | 114 | 77-132 | 15 | 20 | |
| 1,2-Dichloroethane | 12.6 | 0.50 | " | 10.0 | | 126 | 77-136 | 32 | 20 | RB |
| Ethanol | 167 | 100 | " | 200 | | 84 | 31-143 | 2 | 20 | IC |
| Ethyl tert-butyl ether | 11.6 | 0.50 | " | 10.0 | | 116 | 81-121 | 14 | 20 | |
| Ethylbenzene | 9.96 | 0.50 | " | 10.0 | | 100 | 84-132 | 13 | 20 | |
| Methyl tert-butyl ether | 12.1 | 0.50 | " | 10.0 | | 121 | 63-137 | 30 | 20 | RB |
| Toluene | 10.5 | 0.50 | " | 10.0 | | 105 | 78-129 | 10 | 20 | |
| Xylenes (total) | 29.1 | 0.50 | " | 30.0 | | 97 | 83-137 | 18 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 5.44 | | " | 5.00 | | 109 | 78-129 | | | |

| Matrix Spike (4K16013-MS1) | | | Source: MNK0462-08 | | Prepared & Analyzed: 11/16/04 | | | | | |
|----------------------------------|------|-----|--------------------|------|-------------------------------|-----|--------|--|--|----|
| Benzene | 28.5 | 2.5 | ug/l | 32.0 | ND | 89 | 69-124 | | | |
| Ethylbenzene | 39.1 | 2.5 | " | 37.6 | ND | 104 | 84-132 | | | |
| Methyl tert-butyl ether | 165 | 2.5 | " | 49.6 | 23 | 286 | 63-137 | | | LM |
| Toluene | 167 | 2.5 | " | 160 | ND | 104 | 78-129 | | | |
| Xylenes (total) | 190 | 2.5 | " | 183 | ND | 104 | 83-137 | | | |
| Gasoline Range Organics (C4-C12) | 2030 | 250 | " | 2200 | 27 | 91 | 70-124 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 5.54 | | " | 5.00 | | 111 | 78-129 | | | |



885 Jarvis Drive
 Morgan Hill, CA 95037
 (408) 776-9600
 FAX (408) 782-6308
 www.sequoialabs.com

| | | |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|
| URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612 | Project: ARCO #4931, Oakland, CA Project Number: N/P Project Manager: Scott Robinson | MNK0470 Reported: 11/29/04 16:56 |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|

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

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

Batch 4K16013 - EPA 5030B P/T / EPA 8260B

| Matrix Spike Dup (4K16013-MSD1) | Source: MNK0462-08 | | | Prepared & Analyzed: 11/16/04 | | | | | | |
|----------------------------------|--------------------|-----|------|-------------------------------|----|-----|--------|---|----|----|
| Benzene | 30.2 | 2.5 | ug/l | 32.0 | ND | 94 | 69-124 | 6 | 20 | |
| Ethylbenzene | 41.6 | 2.5 | " | 37.6 | ND | 111 | 84-132 | 6 | 20 | |
| Methyl tert-butyl ether | 170 | 2.5 | " | 49.6 | 23 | 296 | 63-137 | 3 | 20 | LM |
| Toluene | 177 | 2.5 | " | 160 | ND | 111 | 78-129 | 6 | 20 | |
| Xylenes (total) | 204 | 2.5 | " | 183 | ND | 111 | 83-137 | 7 | 20 | |
| Gasoline Range Organics (C4-C12) | 2230 | 250 | " | 2200 | 27 | 100 | 70-124 | 9 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 5.64 | | " | 5.00 | | 113 | 78-129 | | | |

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project.ARCO #4931, Oakland, CA
Project Number.N/P
Project Manager:Scott Robinson

MNK0470
Reported:
11/29/04 16:56

Notes and Definitions

RB RPD exceeded method control limit; % recoveries within limits.
LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
IC Calib. verif. is within method limits but outside contract limits
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



Chain of Custody Record

Project Name 493/GWM
 BP BU/GEM CO Portfolio Retail
 BP Laboratory Contract Number: Atlantic Richfield Company

MIR0470

Date: 11/10/04 Requested Due Date (mm/dd/yy) 14 day TAT

| | |
|-------------------------------------|------------------|
| On-site Time: <u>900</u> | Temp: <u>65</u> |
| Off-site Time: <u>1000</u> | Temp: <u>65</u> |
| Sky Conditions: <u>RAIN, CLOUDY</u> | |
| Meteorological Events: <u>RAIN</u> | |
| Wind Speed: _____ | Direction: _____ |

| | | |
|---------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| Send To: | BP/GEM Facility No.: <u>ARCO 4931</u> | Consultant/Contractor: <u>URS</u> |
| Lab Name: <u>SEQUOIA</u> | BP/GEM Facility Address: <u>731 W. MACARTHUR BLVD, OAKLAND, CA</u> | Address: <u>1333 Broadway, Suite 800</u> |
| Lab Address: <u>885 Jarvis Dr.</u> | Site ID No. <u>ARCO 4931</u> | <u>Oakland, CA 94612</u> |
| <u>Morgan Hill, CA 95037</u> | Site Lat/Long: _____ | e-mail EDD: <u>donna.cospcr@URSCorp.com</u> |
| | California Global ID #: <u>T0600100107</u> | Consultant/Contractor Project No.: <u>J5-00004931.01 00427</u> |
| Lab PM <u>Lisa Race</u> | BP/GEM PM Contact: <u>PAUL SUPPLE</u> | Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u> |
| Tele/Fax: <u>408-776-9600 / 408-782-6308</u> | Address: <u>P.O. Box 6549</u> | Consultant/Contractor PM: <u>Scott Robinson</u> |
| Report Type & QC Level: <u>1 Send EDF Reports</u> | <u>Moraga, CA 94570</u> | Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one) |
| BP/GEM Account No.: | Tele/Fax: <u>925-299-8891/925-299-8872</u> | BP/GEM Work Release No: |

| Item No. | Sample Description | Time | Matrix | | | | Laboratory No. | No. of containers | Preservatives | | | | Requested Analysis | | | | | Sample Point Lat/Long and Comments | |
|----------|--------------------|------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|-----|---------------------------|------------------|-------------|-------------|-----------------------------------|------------------------------------|----------------------|
| | | | Soil/Solid | Water/Liquid | Sediments | Air | | | Unpreserved | H ₂ SO ₄ | HNO ₃ | HCl | GRO/BTEX (8015/8021/8260) | DRO w/SGC (8015) | MTBE (8021) | MTBE (8260) | MTBE, TAME, ETBE DIPE, TBA (8260) | | 1,2-DCA & EDB (8260) |
| 1 | A-4 | 958 | X | | | | 01 | 3 | | | | | X | | | X | X | X | |
| 2 | A-8 | 952 | X | | | | 02 | 3 | | | | | X | | | X | X | X | |
| 3 | TS-111020044931 | | X | | | | 03 | 2 | | | | | | | | | | | on hold |
| 4 | temp | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|---------------------------------------|--------------------------------------|-----------------------|-------------------|----------------------------------|-----------------------|-------------------|
| Sampler's Name: <u>SUCHAN SUNG</u> | Relinquished By / Affiliation: _____ | Date: <u>11/10/04</u> | Time: <u>1555</u> | Accepted By / Affiliation: _____ | Date: <u>11/10/04</u> | Time: <u>1645</u> |
| Sampler's Company: <u>BLAINE TRST</u> | _____ | <u>11/10/04</u> | <u>1645</u> | _____ | <u>11/10/04</u> | <u>1645</u> |
| Shipment Date: | | | | | | |
| Shipment Method: | | | | | | |
| Shipment Tracking No: | | | | | | |

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

Labels In Place Yes No _____ Temperature Blank Yes No _____ Cooler Temperature on Receipt F/C _____ Trip Blank Yes No _____

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 4931
 REC. BY (PRINT): JH
 WORKORDER: MJK 0970

DATE REC'D AT LAB: 11/11/04
 TIME REC'D AT LAB: 6:45
 DATE LOGGED IN: 11-12-04

For Regulatory Purposes?
 DRINKING WATER: YES / NO
 WASTE WATER: YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

| CIRCLE THE APPROPRIATE RESPONSE | LAB SAMPLE # | DASH # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | pH | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|-----------------------|--------------|----|---------------|--------------|---------------------------|
| 1. Custody Seal(s) <input checked="" type="radio"/> Present / Absent <input type="radio"/> Intact / Broken* | 01 | A-C | A-4 | VDA 3 | HCl | - | V | 11/11/04 | |
| 2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent* | 02 | | A-8 | | | | | | |
| 3. Traffic Reports or Packing List: <input type="radio"/> Present / Absent | 03 | AD | TS1102044931 | (2) | | | | | |
| 4. Airbill: <input type="radio"/> Airbill / Sticker <input type="radio"/> Present / Absent | | | | | | | | | |
| 5. Airbill #: | | | | | | | | | |
| 6. Sample Labels: <input checked="" type="radio"/> Present / Absent | | | | | | | | | |
| 7. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody | | | | | | | | | |
| 8. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking* | | | | | | | | | |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No* | | | | | | | | | |
| 10. Sample received within hold time? <input checked="" type="radio"/> Yes / No* | | | | | | | | | |
| 11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No* | | | | | | | | | |
| 12. Proper Preservatives used? <input checked="" type="radio"/> Yes / No* | | | | | | | | | |
| 13. Trip Blank / Temp Blank Received? *(circle which, if yes) <input checked="" type="radio"/> Yes / No* | | | | | | | | | |
| 14. Temp Rec. at Lab: Is temp 4 +/- 2°C? <input checked="" type="radio"/> Yes / No** (Acceptance range for samples requiring thermal pres.) | | | | | | | | | |
| *Exception (if any): METALS / DFF ON ICE *Problem COC | | | | | | | | | |

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

ATTACHMENT C

HISTORICAL GROUNDWATER DATA

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)
ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Gaged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) |
|-------------|------------------------|-------------------------------|-------------------------------|--------------------------------------|----------------------------------------|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| A-2 | 03/26/96 | 55.48 | 5.37 | 50.11 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA | | |
| A-2 | 05/22/96 | 55.48 | 5.25 | 50.23 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | |
| A-2 | 08/22/96 | 55.48 | 10.45 | 45.03 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | |
| A-2 | 12/19/96 | 55.48 | 5.53 | 49.95 | <50 | 1.1 | 1.8 | <0.5 | 1.3 | <2.5 | NA | NM | |
| A-2 | 04/01/97 | 55.48 | 8.77 | 46.71 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.7 | NA | NM | |
| A-2 | 05/27/97 | 55.48 | 9.87 | 45.61 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | NM | |
| A-2 | 08/12/97 | 55.48 | 11.11 | 44.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 4.6 | NA | NM | |
| A-2 | 11/14/97 | 55.48 | 10.63 | 44.85 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 5.6 | NA | NM | |
| A-2 | 03/18/98 | 55.48 | 3.58 | 51.90 | <50 | 0.9 | 2.8 | <0.5 | 2.4 | 27 | NA | 2.6 | |
| A-2 | 05/19/98 | 55.48 | 4.82 | 50.66 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | NM | |
| A-2 | 07/29/98 | 55.48 | 8.94 | 46.54 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.30 | P |
| A-2 | 10/09/98 | 55.48 | 10.82 | 44.66 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.2 | NP |
| A-2 | 02/19/99 | 55.48 | 4.46 | 51.02 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 0.5 | NP |
| A-2 | 06/02/99 | 55.48 | 5.59 | 49.89 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 3.0 | NP |
| A-2 | 08/26/99 | 55.48 | 10.67 | 44.81 | <50 | <0.5 | 0.6 | <0.5 | <0.5 | <3 | NA | 5.35 | P |
| A-2 | 10/26/99 | 55.48 | 4.61 | 50.87 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 0.79 | NP |
| A-2 | 02/25/00 | 55.48 | 3.10 | 52.38 | <50 | <0.5 | <0.5 | <0.5 | <1 | <3 | NA | 2.14 | P |
| A-3 | 03/26/96 | 54.66 | 7.20 | 47.46 | Not Sampled: Well Sampled Semiannually | | | | | <3 | NA | 4.21 | NP |
| A-3 | 05/22/96 | 54.66 | 7.70 | 46.96 | <50 | 1.2 | 1.9 | 0.7 | 1.3 | NA | NA | | |
| A-3 | 08/22/96 | 54.66 | 10.88 | 43.78 | Not Sampled: Well Sampled Semiannually | | | | | | | NM | |
| A-3 | 12/19/96 | 54.66 | 7.70 | 46.96 | 5,900 | <25 | <25 | <25 | <25 | NA | 5,300 | NM | |
| A-3 | 04/01/97 | 54.66 | 9.78 | 44.88 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-3 | 05/27/97 | 54.66 | 10.55 | 44.11 | 2,300 | <20 | <20 | <20 | <20 | 3,800 | NA | NM | |
| A-3 | 08/12/97 | 54.66 | 11.12 | 43.54 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-3 | 11/14/97 | 54.66 | 8.24 | 46.42 | <1,000 | <10 | <10 | <10 | <10 | 1,500 | NA | 3.8 | |
| A-3 | 03/18/98 | 54.66 | 5.05 | 49.61 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-3 | 05/19/98 | 54.66 | 9.00 | 45.66 | <50 | <25 | <25 | <25 | <25 | 220 | NA | 4.60 | P |
| A-3 | 07/29/98 | 54.66 | 9.86 | 44.80 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-3 | 10/09/98 | 54.66 | 11.36 | 43.30 | <250 | <25 | <25 | <25 | <25 | 260 | NA | 1.0 | NP |
| A-3 | 02/19/99 | 54.66 | 6.19 | 48.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 2.5 | NP |
| A-3 | 06/02/99 | 54.66 | 10.82 | 43.84 | 120 | <1 | <1 | <1 | <1 | 160 | NA | 2.78 | NP |

QAICARCO4931\QTRLY4931\00\data.tbl
 Recreated from electronic data provided by IT Corporation.

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Gauged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) | |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|----------------------------------------|------------------|------------------|-------------------------|------------------------|----------------------|--------------------|---------------------------|---------------------------------|----|
| A-3 | 08/26/99 | 54.66 | 10.73 | 43.93 | Not Sampled: Well Sampled Semiannually | | | | | | | | 0.95 | |
| A-3 | 10/26/99 | 54.66 | 6.58 | 48.08 | Not Sampled: Well Sampled Semiannually | | | | | | | | 2.06 | NP |
| A-3 | 02/25/00 | 54.66 | 5.41 | 49.25 | <50 | <0.5 | <0.5 | <0.5 | <1 | 32 | NA | 0.95 | | |
| A-4 | 03/26/96 | 54.73 | 7.95 | 46.78 | 8,900 | 1,200 | 21 | 200 | 220 | NA | NA | NM | | |
| A-4 | 05/22/96 | 54.73 | 8.35 | 46.38 | 5,300 | 700 | <10 | 170 | 130 | NA | NA | NM | | |
| A-4 | 08/22/96 | 54.73 | 11.03 | 43.70 | 3,000 | 480 | <5.0 | 75 | 26 | 150 | NA | NM | | |
| A-4 | 12/19/96 | 54.73 | 8.67 | 46.06 | <2,000 | <20 | <20 | <20 | <20 | NA | 15,000 | NM | | |
| A-4 | 04/01/97 | 54.73 | 11.95 | 42.78 | 3,900 | 1,700 | 22 | 310 | 260 | 6,900 | NA | NM | | |
| A-4 | 05/27/97 | 54.73 | 10.80 | 43.93 | 7,100 | 960 | <20 | 150 | 74 | 7,900 | NA | NM | | |
| A-4 | 08/12/97 | 54.73 | 11.38 | 43.35 | 4,300 | 670 | 12 | 51 | 27 | 2,800 | NA | NM | | |
| A-4 | 11/14/97 | 54.73 | 7.74 | 46.99 | <20,000 | 300 | 500 | <200 | <200 | 27,000 | NA | NM | | |
| A-4 | 03/18/98 | 54.73 | 6.80 | 47.93 | 4,700 | 600 | <20 | 99 | 94 | 1,200 | NA | 2.2 | | |
| A-4 | 05/19/98 | 54.73 | 9.06 | 45.67 | <2000 | <20 | <20 | <20 | 720 | 2,000 | NA | 1.28 | P | |
| A-4 | 07/29/98 | 54.73 | 10.05 | 44.68 | 8,400 | 1,300 | <20 | <20 | 130 | 1,800 | NA | 0.7 | NP | |
| A-4 | 02/19/99 | 54.73 | 11.20 | 43.53 | 3,500 | 400 | <20 | 54 | <20 | 1,700 | NA | 1.0 | NP | |
| A-4 | 06/02/99 | 54.73 | 6.85 | 47.88 | <1,000 | <10 | <10 | <10 | 12 | 650 | NA | 0.1 | NP | |
| A-4 | 08/26/99 | 54.73 | 11.00 | 43.73 | 6,100 | 760 | 16 | 260 | 89 | 2,300 | NA | 1.12 | NP | |
| A-4 | 10/26/99 | 54.73 | 10.80 | 43.93 | 1,100 | 63 | 5 | 8 | 4 | 1,400 | NA | 1.15 | NP | |
| A-4 | 02/25/00 | 54.73 | 5.90 | 44.62 | 1,500 | 39 | 2.3 | 9.0 | 5 | 1,700 | NA | 1.12 | NP | |
| A-4 | | | | 48.83 | 870 | 53 | 1.1 | 4.6 | 20 | 600 | NA | 1.72 | NP | |
| A-5 | 03/26/96 | 54.17 | 7.93 | 46.24 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 05/22/96 | 54.17 | 8.20 | 45.97 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 08/22/96 | 54.17 | 10.70 | 43.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | | |
| A-5 | 12/19/96 | 54.17 | 8.39 | 45.78 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 04/01/97 | 54.17 | 10.83 | 43.34 | 9,900 | 1,100 | 330 | 230 | 700 | NA | 24 | NM | | |
| A-5 | 05/27/97 | 54.17 | 10.65 | 43.52 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 08/12/97 | 54.17 | 11.05 | 43.12 | 100 | <0.5 | <0.5 | <0.5 | <0.5 | 120 | NA | NM | | |
| A-5 | 11/14/97 | 54.17 | 10.51 | 43.66 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 03/18/98 | 54.17 | 8.10 | 46.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 41 | NA | 4.8 | | |
| A-5 | 05/19/98 | 54.17 | 9.31 | 44.86 | 590 | <5 | <5 | <5 | <5 | 710 | NA | 2.48 | P | |

OAKC\ARCO\4931\QTRLY\931q100.xls:tbl1
 Recreated from electronic data provided by IT Corporation.

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Gauged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NE) | |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|----------------------------------------|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|--|
| A-5 | 07/29/98 | 54.17 | 9.89 | 44.28 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 10/09/98 | 54.17 | 11.02 | 43.15 | 690 | <5 | <5 | <5 | <5 | 710 | NA | 1.0 | NP | |
| A-5 | 02/19/99 | 54.17 | 6.82 | 47.35 | <2,000 | <20 | <20 | <20 | <20 | 2,300 | NA | 0.6 | NP | |
| A-5 | 06/02/99 | 54.17 | 10.82 | 43.35 | 1,500 | <0.5 | 2.3 | <0.5 | <0.5 | 2,400 | NA | 2.81 | NP | |
| A-5 | 08/26/99 | 54.17 | 10.65 | 43.52 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-5 | 10/26/99 | 54.17 | 10.35 | 43.82 | 380 | <0.5 | <0.5 | <0.5 | <0.5 | | | 0.49 | NP | |
| A-5 | 02/25/00 | 54.17 | 6.89 | 47.28 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-6 | 03/26/96 | 55.17 | 7.15 | 48.02 | 52 | 2.7 | <0.5 | 1.1 | 2.0 | NA | NA | | | |
| A-6 | 05/22/96 | 55.17 | 7.35 | 47.82 | <50 | 2.4 | <0.5 | 0.88 | 1.7 | NA | NA | | NM | |
| A-6 | 08/22/96 | 55.17 | 10.12 | 45.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | | NM | |
| A-6 | 12/19/96 | 55.17 | 7.43 | 47.74 | <50 | 1.7 | <0.5 | 0.78 | 1.5 | <2.5 | NA | | NM | |
| A-6 | 04/01/97 | 55.17 | 9.97 | 45.20 | <50 | 4.7 | <0.5 | 1.9 | 3.2 | <2.5 | NA | | NM | |
| A-6 | 05/27/97 | 55.17 | 9.66 | 45.51 | <50 | 0.69 | <0.5 | <0.5 | <0.5 | <2.5 | NA | | NM | |
| A-6 | 08/12/97 | 55.17 | 10.43 | 44.74 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | | NM | |
| A-6 | 11/14/97 | 55.17 | 9.76 | 45.41 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | | NM | |
| A-6 | 03/18/98 | 55.17 | 7.00 | 48.17 | <50 | 6.2 | 0.5 | 2.3 | 2.6 | NA | NA | <1.0 | | |
| A-6 | 05/19/98 | 55.17 | 8.27 | 46.90 | <50 | <0.5 | <0.5 | 1.3 | 4.7 | NA | NA | 3.0 | | |
| A-6 | 10/09/98 | 55.17 | 8.96 | 46.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 2.16 | P | |
| A-6 | 02/19/99 | 55.17 | 10.23 | 44.94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 0.8 | NP | |
| A-6 | 06/02/99 | 55.17 | 5.79 | 49.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 1.0 | NP | |
| A-6 | 08/26/99 | 55.17 | 9.71 | 45.46 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 0.4 | NP | |
| A-6 | 10/26/99 | 55.17 | 9.79 | 45.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 2.00 | NP | |
| A-6 | 02/25/00 | 55.17 | 9.70 | 45.47 | <50 | <0.5 | <0.5 | <0.5 | 0.7 | NA | NA | 0.66 | NP | |
| A-6 | | | 5.68 | 49.49 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 1.66 | NP | |
| A-7 | 03/26/96 | 54.71 | 6.90 | 47.81 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-7 | 05/22/96 | 54.71 | 8.27 | 46.44 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | | NP | |
| A-7 | 08/22/96 | 54.71 | 9.80 | 44.91 | Not Sampled: Well Sampled Semiannually | | | | | | | | | |
| A-7 | 12/19/96 | 54.71 | 7.19 | 47.52 | Not Sampled: Well Sampled Annually | | | | | | | | | |
| A-7 | 04/01/97 | 54.71 | 9.63 | 45.08 | Not Sampled: Well Sampled Annually | | | | | | | | | |
| A-7 | 05/27/97 | 54.71 | 9.34 | 45.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | | NM | |

04KYSARCOM931\QTR\TM931q100.schhhid
 Recreated from electronic data provided by IT Corporation.

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Ganged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|----------------------------------------|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| A-7 | 08/12/97 | 54.71 | 10.10 | 44.61 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 11/14/97 | 54.71 | 9.35 | 45.36 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 03/18/98 | 54.71 | 6.75 | 47.96 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 05/19/98 | 54.71 | 8.85 | 45.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.82 | P |
| A-7 | 07/29/98 | 54.71 | 8.84 | 45.87 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 10/09/98 | 54.71 | 10.05 | 44.66 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 02/19/99 | 54.71 | 5.57 | 49.14 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 4.7 | NP |
| A-7 | 06/02/99 | 54.71 | 9.56 | 45.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 2.17 | NP |
| A-7 | 08/26/99 | 54.71 | 9.66 | 45.05 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 10/26/99 | 54.71 | 9.54 | 45.17 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-7 | 02/25/00 | 54.71 | 5.60 | 49.11 | Not Sampled: Well Sampled Annually | | | | | | | | |
| A-8 | 03/26/96 | 53.77 | 7.10 | 46.67 | 48,000 | 2,600 | <100 | 650 | 1,100 | NA | NA | NM | |
| A-8 | 05/22/96 | 53.77 | 7.20 | 46.57 | 14,000 | 2,800 | 160 | 320 | 190 | NA | NA | NM | |
| A-8 | 08/22/96 | 53.77 | 11.57 | 42.20 | 8,000 | 1,000 | 76 | 150 | 96 | 4,300 | NA | NM | |
| A-8 | 12/19/96 | 53.77 | 8.04 | 45.73 | 12,000 | 450 | 110 | 210 | 230 | <500 | NA | NM | |
| A-8 | 04/01/97 | 53.77 | 9.98 | 43.79 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-8 | 05/27/97 | 53.77 | 11.45 | 42.32 | 11,000 | 1,600 | 100 | 220 | 210 | 2,300 | NA | NM | |
| A-8 | 08/12/97 | 53.77 | 11.59 | 42.18 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-8 | 11/14/97 | 53.77 | 9.85 | 43.92 | 26,000 | 2,300 | <200 | 400 | 400 | 4,100 | NA | 2.2 | |
| A-8 | 03/18/98 | 53.77 | 7.80 | 45.97 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-8 | 05/19/98 | 53.77 | 8.78 | 44.99 | 88,000 | 4,200 | 150 | 640 | 600 | 6,700 | NA | 1.36 | P |
| A-8 | 07/29/98 | 53.77 | 9.59 | 44.18 | 46,000 | 4,900 | 160 | 620 | 580 | 13,000 | NA | 0.5 | NP |
| A-8 | 10/09/98 | 53.77 | 11.23 | 42.54 | 130,000 | 3,700 | 110 | 500 | 770 | 7,300 | NA | 1.0 | NP |
| A-8 | 02/19/99 | 53.77 | 6.51 | 47.26 | <1,000 | 39 | <10 | <10 | <10 | 840 | NA | 0.2 | NP |
| A-8 | 06/02/99 | 53.77 | 10.68 | 43.09 | 8,500 | 1,300 | 32 | 180 | 110 | 6,700 | NA | 1.31 | NP |
| A-8 | 08/26/99 | 53.77 | 10.43 | 43.34 | 6,200 | 870 | 17 | 64 | 60 | 3,700 | NA | 0.69 | NP |
| A-8 | 10/26/99 | 53.77 | 10.23 | 43.54 | 15,000 | 2,800 | 140 | 370 | 360 | 480 | NA | 0.62 | NP |
| A-8 | 02/25/00 | 53.77 | 5.93 | 47.84 | 2,600 | 330 | 6.6 | 18 | 26 | 1,100 | NA | 1.43 | NP |
| A-9 | 03/26/96 | 53.04 | 7.05 | 45.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | |
| A-9 | 05/22/96 | 53.04 | 7.20 | 45.84 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | |

OAKC\MARCOM\931\Q\RL\Y\931\q100.xls:tbl1
 Recreated from electronic data provided by IT Corporation.

IT CORPORATION

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Gauged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|-------------------------------------------------|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| A-9 | 08/22/96 | 53.04 | 9.68 | 43.36 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 8.5 | NA | | |
| A-9 | 12/19/96 | 53.04 | 7.43 | 45.61 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.6 | NA | NM | |
| A-9 | 04/01/97 | 53.04 | 9.95 | 43.09 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-9 | 05/27/97 | 53.04 | 9.56 | 43.48 | <50 | 23 | <0.5 | <0.5 | <0.5 | 45 | NA | NM | |
| A-9 | 08/12/97 | 53.04 | 10.15 | 42.89 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-9 | 11/14/97 | 53.04 | 8.64 | 44.40 | <200 | <2.0 | <2.0 | <2.0 | <2.0 | 190 | NA | 9.6 | |
| A-9 | 03/18/98 | 53.04 | 6.45 | 46.59 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-9 | 05/19/98 | 53.04 | 8.35 | 44.69 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7 | NA | 1.27 | P |
| A-9 | 07/29/98 | 53.04 | 8.74 | 44.30 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 0.99 | NP |
| A-9 | 10/09/98 | 53.04 | 10.05 | 42.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.0 | NP |
| A-9 | 02/19/99 | 53.04 | 6.91 | 46.13 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 2.0 | NP |
| A-9 | 06/02/99 | 53.04 | 9.72 | 43.32 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 2.32 | NP |
| A-9 | 08/26/99 | 53.04 | 9.48 | 43.56 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 16 | NA | 0.71 | NP |
| A-9 | 10/26/99 | 53.04 | 9.17 | 43.87 | 1,500 | 6.2 | 0.7 | <0.5 | <0.5 | 11 | NA | 2.15 | NP |
| A-9 | 02/25/00 | 53.04 | 5.84 | 47.20 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 91 | NA | 1.55 | NP |
| A-10 | 03/26/96 | 54.26 | 8.28 | 45.98 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 05/22/96 | 54.26 | 8.60 | 45.66 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 08/22/96 | 54.26 | 10.98 | 43.28 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 12/19/96 | 54.26 | 8.80 | 45.46 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 04/01/97 | 54.26 | 11.15 | 43.11 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 05/27/97 | 54.26 | 10.90 | 43.36 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 08/12/97 | 54.26 | 11.30 | 42.96 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 11/14/97 | 54.26 | 10.80 | 43.46 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| A-10 | 03/18/98 | | | | Well Removed from Survey Program | | | | | | | | |
| A-11 | 03/26/96 | 53.74 | 8.10 | 45.64 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-11 | 05/22/96 | 53.74 | 8.25 | 45.49 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | |
| A-11 | 08/22/96 | 53.74 | 10.58 | 43.16 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-11 | 12/19/96 | 53.74 | 8.37 | 45.37 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | NM | |
| A-11 | 04/01/97 | 53.74 | 10.95 | 42.79 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-11 | 05/27/97 | 53.74 | 10.60 | 43.14 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.1 | NA | NM | |

OAKC:\ARCOMS\W\ERLYM931\100.xls\data
 Recreated from electronic data provided by IT Corporation.

IT CORPORATION

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Ganged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPPH | | | | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBB 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|----------------------------------------|------------------|------------------|----------------------------|------------------------|----------------------|--------------------|---------------------------|---------------------------------|
| | | | | | Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | | | | | |
| A-11 | 08/12/97 | 53.74 | 11.07 | 42.67 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-11 | 11/14/97 | 53.74 | 10.58 | 43.16 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.6 | |
| A-11 | 03/18/98 | 53.74 | 8.14 | 45.60 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-11 | 05/19/98 | 53.74 | 9.40 | 44.34 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.13 | P |
| A-11 | 07/29/98 | 53.74 | 10.32 | 43.42 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-11 | 10/09/98 | 53.74 | 10.91 | 42.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 2.0 | NP |
| A-11 | 02/19/99 | 53.74 | 6.77 | 46.97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.8 | NP |
| A-11 | 06/02/99 | 53.74 | 10.95 | 42.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.38 | NP |
| A-11 | 08/26/99 | 53.74 | 11.05 | 42.69 | Not Sampled: Well Sampled Semiannually | | | | | 6 | NA | 0.49 | NP |
| A-11 | 10/26/99 | 53.74 | 10.81 | 42.93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.27 | NP |
| A-11 | 02/25/00 | 53.74 | 6.70 | 47.04 | Not Sampled: Well Sampled Semiannually | | | | | 4 | NA | | |
| A-12 | 03/26/96 | 52.05 | 7.83 | 44.22 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 05/22/96 | 52.05 | 7.80 | 44.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | |
| A-12 | 08/22/96 | 52.05 | 9.97 | 42.08 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 12/19/96 | 52.05 | 8.18 | 43.87 | 85 | <0.5 | <0.5 | <0.5 | <0.5 | 170 | NA | NM | |
| A-12 | 04/01/97 | 52.05 | 10.30 | 41.75 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 05/27/97 | 52.05 | 10.05 | 42.00 | 50 | 12 | <0.5 | <0.5 | <0.5 | 96 | NA | NM | |
| A-12 | 08/12/97 | 52.05 | 10.46 | 41.59 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 11/14/97 | 52.05 | 9.70 | 42.35 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 75 | NA | 7.0 | |
| A-12 | 03/18/98 | 52.05 | 8.15 | 43.90 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 05/19/98 | 52.05 | 9.15 | 42.90 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 29 | NA | 1.47 | P |
| A-12 | 07/29/98 | 52.05 | 9.38 | 42.67 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 10/09/98 | 52.05 | 10.21 | 41.84 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7 | NA | 2.0 | NP |
| A-12 | 02/19/99 | 52.05 | 6.96 | 45.09 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 5.2 | NP |
| A-12 | 06/02/99 | 52.05 | 10.25 | 41.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 7 | NA | 1.38 | NP |
| A-12 | 08/26/99 | 52.05 | 9.91 | 42.14 | Not Sampled: Well Sampled Semiannually | | | | | | | | |
| A-12 | 10/26/99 | 52.05 | 9.73 | 42.32 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 0.51 | NP |
| A-12 | 02/25/00 | 52.05 | 6.97 | 45.08 | Not Sampled: Well Sampled Semiannually | | | | | 12 | NA | 1.09 | NP |
| A-13 | 03/26/96 | 55.11 | | | Well Inaccessible | | | | | | | | |
| A-13 | 05/22/96 | 55.11 | | | Well Inaccessible | | | | | | | | |

DAKC:ARCO4931NQTILY4931q102.xls:tbl:1
 Recreated from electronic data provided by IT Corporation.

Table 1
Groundwater Elevation and Analytical Data:
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Gauged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|-------------------------------------------------|------------------|------------------|-------------------------|------------------------|----------------------|--------------------|---------------------------|---------------------------------|
| A-13 | 08/22/96 | 55.11 | | | | | | | | | | | |
| A-13 | 12/19/96 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 04/01/97 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 05/27/97 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 08/12/97 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 11/14/97 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 03/18/98 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 05/19/98 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 07/29/98 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 10/09/98 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 02/19/99 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 06/02/99 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 08/26/99 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 10/26/99 | 55.11 | | | | | | | | | | | Well Inaccessible |
| A-13 | 02/25/00 | 55.11 | | | | | | | | | | | Well Inaccessible |
| AR-1 | 03/26/96 | 54.72 | 8.13 | 46.59 | 6,200 | 110 | 64 | 38 | 520 | NA | NA | | NM |
| AR-1 | 05/22/96 | 54.72 | 8.57 | 46.15 | NS | NS | NS | NS | 520 | NA | NA | | NM |
| AR-1 | 08/22/96 | 54.72 | 10.97 | 43.75 | 5,600 | 100 | NS | NS | NS | NS | NS | | NM |
| AR-1 | 12/19/96 | 54.72 | 8.93 | 45.79 | | | 28 | 29 | 310 | 960 | NA | | NM |
| AR-1 | 04/01/97 | 54.72 | 11.78 | 42.94 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 05/27/97 | 54.72 | 10.76 | 43.96 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 08/12/97 | 54.72 | 11.40 | 43.32 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 11/14/97 | 54.72 | 10.80 | 43.92 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 03/18/98 | 54.72 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 05/19/98 | 54.72 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 07/29/98 | 54.72 | 10.17 | 44.55 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 10/09/98 | 54.72 | 11.25 | 43.47 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 02/19/99 | 54.72 | 7.02 | 47.70 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 06/02/99 | 54.72 | 11.00 | 43.72 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 08/26/99 | 54.72 | 10.96 | 43.75 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-1 | 10/26/99 | 54.72 | 10.68 | 44.04 | Not Sampled: Well Removed from Sampling Program | | | | | | | | 0.39 |
| | | | | | | | | | | | | | 1.39 |

OAKCNARCOM99INQTRLY4931q160.xls:tbl1
 Recasted from electronic data provided by IT Corporation.

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Gauged/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (P/NP) | |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|-------------------------------------------------|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|--|
| AR-1 | 02/25/00 | 54.72 | 7.15 | 47.57 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 03/26/96 | 54.77 | 4.93 | 49.84 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | | |
| AR-2 | 05/22/96 | 54.77 | 5.65 | 49.12 | NS | NS | NS | NS | NS | NS | NS | NM | | |
| AR-2 | 08/22/96 | 54.77 | 7.27 | 47.50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 200 | NA | NM | | |
| AR-2 | 12/19/96 | 54.77 | 7.78 | 46.99 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 04/01/97 | 54.77 | 6.80 | 47.97 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 05/27/97 | 54.77 | 6.32 | 48.45 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 08/12/97 | 54.77 | 6.32 | 48.45 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 11/14/97 | 54.77 | 7.43 | 47.34 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 03/18/98 | 54.77 | 8.95 | 45.82 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 05/19/98 | 54.77 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 07/29/98 | 54.77 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 10/09/98 | 54.77 | 4.47 | 50.30 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 02/19/99 | 54.77 | 6.90 | 47.87 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 06/02/99 | 54.77 | 3.80 | 50.97 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 08/26/99 | 54.77 | 4.61 | 50.16 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 10/26/99 | 54.77 | 5.22 | 49.55 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-2 | 02/25/00 | 54.77 | 3.20 | 51.57 | Not Sampled: Well Removed from Sampling Program | | | | | | | | 0.44 | |
| AR-2 | 02/25/00 | 54.77 | 2.33 | 52.44 | Not Sampled: Well Removed from Sampling Program | | | | | | | | 1.79 | |
| AR-3 | 03/26/96 | 54.19 | 7.95 | 46.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NM | | |
| AR-3 | 05/22/96 | 54.19 | 8.30 | 45.89 | NS | NS | NS | NS | NS | NS | NS | NM | | |
| AR-3 | 08/22/96 | 54.19 | 10.84 | 43.35 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 12/19/96 | 54.19 | 8.56 | 45.63 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 04/01/97 | 54.19 | 11.24 | 42.95 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 05/27/97 | 54.19 | 10.67 | 43.52 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 08/12/97 | 54.19 | 11.10 | 43.09 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 11/14/97 | 54.19 | 10.60 | 43.59 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 03/18/98 | 54.19 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 05/19/98 | 54.19 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 07/29/98 | 54.19 | 9.95 | 44.24 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |
| AR-3 | 10/09/98 | 54.19 | 11.20 | 42.99 | Not Sampled: Well Removed from Sampling Program | | | | | | | | | |

OAKC:\ARCOM93\HQ\RLY\4931\100.xls:tbl1
 Recreated from electronic data provided by IT Corporation.

IT CORPORATION

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Well Number | Date Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOB) | Groundwater Elevation (feet, MSL) | TPH Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl-benzene (ppb) | Total Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/Not Purged (P/NP) |
|-------------|--------------|----------------------------|----------------------------|-----------------------------------|-------------------------------------------------|---------------|---------------|---------------------|---------------------|-------------------|-----------------|------------------------|--------------------------|
| AR-3 | 02/19/99 | 54.19 | 6.98 | 47.21 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-3 | 06/02/99 | 54.19 | 10.80 | 43.39 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-3 | 08/26/99 | 54.19 | 10.69 | 43.50 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |
| AR-3 | 10/26/99 | 54.19 | NM | NM | Not Sampled: Well Removed from Sampling Program | | | | | | | | 0.40 |
| AR-3 | 02/25/00 | 54.19 | 7.21 | 46.98 | Not Sampled: Well Removed from Sampling Program | | | | | | | | |

| | |
|------|-----------------------------------------------------------------------------------------------------------|
| TPH | = Total petroleum hydrocarbons by modified EPA method 8015 |
| BTEX | = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 10/26/99). |
| MTBE | = Methyl tert-butyl ether |
| | = EPA method 8020 prior to 10/26/99 |
| MSL | = Mean sea level |
| TOB | = Top of bore |
| ppb | = Parts per billion |
| ppm | = Parts per million |
| < | = Less than laboratory detection limit stated to the right |
| NA | = Not analyzed |
| NM | = Not measured |
| NS | = Not sampled |

OAKC\ARCO\931\QTDLY\931\100.rtf:tbl:1
 Recreated from electronic data provided by IT Corporation.

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

| Date Measured | Average Flow Direction | Average Hydraulic Gradient |
|----------------------|-------------------------------|-----------------------------------|
| 03/26/96 | Southwest | 0.03 |
| 05/22/96 | Southwest | 0.04 |
| 08/22/96 | Southwest | 0.02 |
| 12/19/96 | Southwest | 0.03 |
| 04/01/97 | Southwest | 0.03 |
| 05/27/97 | Southwest | 0.04 |
| 08/12/97 | Southwest | 0.02 |
| 11/14/97 | Southwest | 0.02 |
| 03/18/98 | West | 0.03 |
| 05/19/98 | West-Southwest | 0.02 |
| 07/29/98 | West-Southwest | 0.02 |
| 10/09/98 | Southwest | 0.007 |
| 02/19/99 | Southwest | 0.04 |
| 06/02/99 | West | 0.04 |
| 08/26/99 | West-Southwest | 0.02 |
| 10/26/99 | West-Northwest | 0.13 |
| 02/25/00 | West-Southwest | 0.05 |

ATTACHMENT D

**ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL
CONFIRMATIONS**

Electronic Submittal Information

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

SUCCESSFUL EDF CHECK - NO ERRORS

| | |
|---------------------------|--------------------------------|
| <u>ORGANIZATION NAME:</u> | URS Corporation-Oakland Office |
| <u>USER NAME:</u> | URSCORP-OAKLAND |
| <u>DATE CHECKED:</u> | 11/30/2004 10:01:34 AM |
| <u>GLOBAL ID:</u> | T0600100110 |
| <u>FILE UPLOADED:</u> | ARCO#4931-EDF-MNK0470.zip |

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click [here](#) to view the detections report for this upload.

| | |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARCO # 04931 731 MACARTHUR BLVD W OAKLAND, CA 94609 | Regional Board - Case #: 01-0118 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 3874 ALAMEDA COUNTY LOP - (AG) |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SAMPLE DETECTIONS REPORT

| | |
|-------------------------------------------------------|-------|
| # FIELD POINTS SAMPLED | 2 |
| # FIELD POINTS WITH DETECTIONS | 2 |
| # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL | 2 |
| SAMPLE MATRIX TYPES | WATER |

METHOD QA/QC REPORT

| | |
|---------------------------------------|--------|
| METHODS USED | 8260FA |
| TESTED FOR REQUIRED ANALYTES? | N |
| MISSING PARAMETERS NOT TESTED: | |
| - 8260FA REQUIRES DBFM TO BE TESTED | |
| - 8260FA REQUIRES BR4FBZ TO BE TESTED | |
| - 8260FA REQUIRES BZMED8 TO BE TESTED | |
| LAB NOTE DATA QUALIFIERS | Y |

QA/QC FOR 8021/8260 SERIES SAMPLES

| | |
|-----------------------------------------------------------------|---|
| TECHNICAL HOLDING TIME VIOLATIONS | 0 |
| METHOD HOLDING TIME VIOLATIONS | 0 |
| LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT | 0 |
| LAB BLANK DETECTIONS | 0 |
| DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? | |
| - LAB METHOD BLANK | Y |
| - MATRIX SPIKE | Y |
| - MATRIX SPIKE DUPLICATE | Y |

| | | |
|---------------------------------------------------------------------|------------------|-----------------------------|
| - BLANK SPIKE | | Y |
| - SURROGATE SPIKE | | Y |
| <u>WATER SAMPLES FOR 8021/8260 SERIES</u> | | |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | | N |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% | | Y |
| SURROGATE SPIKES % RECOVERY BETWEEN 85-115% | | Y |
| BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% | | Y |
| <u>SOIL SAMPLES FOR 8021/8260 SERIES</u> | | |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | | n/a |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% | | n/a |
| SURROGATE SPIKES % RECOVERY BETWEEN 70-125% | | n/a |
| BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% | | n/a |
| <u>FIELD QC SAMPLES</u> | | |
| <u>SAMPLE</u> | <u>COLLECTED</u> | <u>DETECTIONS > REPD</u> |
| QCTB SAMPLES | N | 0 |
| QCEB SAMPLES | N | 0 |
| QCAB SAMPLES | N | 0 |

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR

Electronic Submittal Information

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

Your EDF file has been successfully uploaded!

Confirmation Number: 4400556623
Date/Time of Submittal: 11/30/2004 10:35:43 AM
Facility Global ID: T0600100110
Facility Name: ARCO # 04931
Submittal Title: 4Q04 GW Monitoring Report Site 4931
Submittal Type: GW Monitoring Report

[Click here](#) to view the detections report for this upload.

| ARCO # 04931 731 MACARTHUR BLVD W OAKLAND, CA 94609 | Regional Board - Case #: 01-0118 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 3874 ALAMEDA COUNTY LOP - (AG) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------------|-------------------------------------|---------|---------------------|--------------------|---------------|---------------|------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|--------------------------------|---|-------------------------------------------------------|---|---------------------|-------|--------------|--------|-------------------------------|---|--------------------------------|--|-------------------------------------|--|---------------------------------------|--|---------------------------------------|--|--------------------------|---|-----------------------------------|---|--------------------------------|---|------------------------------------------------------|---|----------------------|---|-----------------------------------------------------------------|--|--------------------|---|----------------|---|--------------------------|---|---------------|---|-------------------|---|---------------------------------------------------------------------|---|
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CONF.#</th> <th style="text-align: left; border-bottom: 1px solid black;">TITLE</th> <th style="text-align: left; border-bottom: 1px solid black;">QUARTER</th> </tr> </thead> <tbody> <tr> <td>4400556623</td> <td>4Q04 GW Monitoring Report Site 4931</td> <td>Q4 2004</td> </tr> <tr> <td style="border-top: 1px solid black;">SUBMITTED BY</td> <td style="border-top: 1px solid black;">SUBMIT DATE</td> <td style="border-top: 1px solid black;">STATUS</td> </tr> <tr> <td>Srijesh Thapa</td> <td>11/30/2004</td> <td>PENDING REVIEW</td> </tr> </tbody> </table> | CONF.# | TITLE | QUARTER | 4400556623 | 4Q04 GW Monitoring Report Site 4931 | Q4 2004 | SUBMITTED BY | SUBMIT DATE | STATUS | Srijesh Thapa | 11/30/2004 | PENDING REVIEW | <p><u>SAMPLE DETECTIONS REPORT</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td># FIELD POINTS SAMPLED</td> <td style="text-align: right;">2</td> </tr> <tr> <td># FIELD POINTS WITH DETECTIONS</td> <td style="text-align: right;">2</td> </tr> <tr> <td># FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL</td> <td style="text-align: right;">2</td> </tr> <tr> <td>SAMPLE MATRIX TYPES</td> <td style="text-align: right;">WATER</td> </tr> </table> <p><u>METHOD QA/QC REPORT</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>METHODS USED</td> <td style="text-align: right;">8260FA</td> </tr> <tr> <td>TESTED FOR REQUIRED ANALYTES?</td> <td style="text-align: right;">N</td> </tr> <tr> <td colspan="2">MISSING PARAMETERS NOT TESTED:</td> </tr> <tr> <td colspan="2">- 8260FA REQUIRES DBFM TO BE TESTED</td> </tr> <tr> <td colspan="2">- 8260FA REQUIRES BR4FBZ TO BE TESTED</td> </tr> <tr> <td colspan="2">- 8260FA REQUIRES BZMED8 TO BE TESTED</td> </tr> <tr> <td>LAB NOTE DATA QUALIFIERS</td> <td style="text-align: right;">Y</td> </tr> </table> <p><u>QA/QC FOR 8021/8260 SERIES SAMPLES</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>TECHNICAL HOLDING TIME VIOLATIONS</td> <td style="text-align: right;">0</td> </tr> <tr> <td>METHOD HOLDING TIME VIOLATIONS</td> <td style="text-align: right;">0</td> </tr> <tr> <td>LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT</td> <td style="text-align: right;">0</td> </tr> <tr> <td>LAB BLANK DETECTIONS</td> <td style="text-align: right;">0</td> </tr> <tr> <td colspan="2">DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?</td> </tr> <tr> <td>- LAB METHOD BLANK</td> <td style="text-align: right;">Y</td> </tr> <tr> <td>- MATRIX SPIKE</td> <td style="text-align: right;">Y</td> </tr> <tr> <td>- MATRIX SPIKE DUPLICATE</td> <td style="text-align: right;">Y</td> </tr> <tr> <td>- BLANK SPIKE</td> <td style="text-align: right;">Y</td> </tr> <tr> <td>- SURROGATE SPIKE</td> <td style="text-align: right;">Y</td> </tr> </table> <p><u>WATER SAMPLES FOR 8021/8260 SERIES</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%</td> <td style="text-align: right;">N</td> </tr> </table> | # FIELD POINTS SAMPLED | 2 | # FIELD POINTS WITH DETECTIONS | 2 | # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL | 2 | SAMPLE MATRIX TYPES | WATER | METHODS USED | 8260FA | TESTED FOR REQUIRED ANALYTES? | N | MISSING PARAMETERS NOT TESTED: | | - 8260FA REQUIRES DBFM TO BE TESTED | | - 8260FA REQUIRES BR4FBZ TO BE TESTED | | - 8260FA REQUIRES BZMED8 TO BE TESTED | | LAB NOTE DATA QUALIFIERS | Y | TECHNICAL HOLDING TIME VIOLATIONS | 0 | METHOD HOLDING TIME VIOLATIONS | 0 | LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT | 0 | LAB BLANK DETECTIONS | 0 | DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? | | - LAB METHOD BLANK | Y | - MATRIX SPIKE | Y | - MATRIX SPIKE DUPLICATE | Y | - BLANK SPIKE | Y | - SURROGATE SPIKE | Y | MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | N |
| CONF.# | TITLE | QUARTER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4400556623 | 4Q04 GW Monitoring Report Site 4931 | Q4 2004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBMITTED BY | SUBMIT DATE | STATUS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Srijesh Thapa | 11/30/2004 | PENDING REVIEW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # FIELD POINTS SAMPLED | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # FIELD POINTS WITH DETECTIONS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE MATRIX TYPES | WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHODS USED | 8260FA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TESTED FOR REQUIRED ANALYTES? | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MISSING PARAMETERS NOT TESTED: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 8260FA REQUIRES DBFM TO BE TESTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 8260FA REQUIRES BR4FBZ TO BE TESTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 8260FA REQUIRES BZMED8 TO BE TESTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB NOTE DATA QUALIFIERS | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TECHNICAL HOLDING TIME VIOLATIONS | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD HOLDING TIME VIOLATIONS | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB BLANK DETECTIONS | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - LAB METHOD BLANK | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - MATRIX SPIKE | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - MATRIX SPIKE DUPLICATE | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - BLANK SPIKE | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - SURROGATE SPIKE | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|---------------------------------------------------------------------|------------------|-------------------------------|
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% | Y | |
| SURROGATE SPIKES % RECOVERY BETWEEN 85-115% | Y | |
| BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% | Y | |
| SOIL SAMPLES FOR 8021/8260 SERIES | | |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | n/a | |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% | n/a | |
| SURROGATE SPIKES % RECOVERY BETWEEN 70-125% | n/a | |
| BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% | n/a | |
| FIELD QC SAMPLES | | |
| <u>SAMPLE</u> | <u>COLLECTED</u> | <u>DETECTIONS > REPD L</u> |
| QCTB SAMPLES | N | 0 |
| QCEB SAMPLES | N | 0 |
| QCAB SAMPLES | N | 0 |

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

| | |
|---------------------------|--------------------------------|
| <u>ORGANIZATION NAME:</u> | URS Corporation-Oakland Office |
| <u>USER NAME:</u> | URSCORP-OAKLAND |
| <u>DATE CHECKED:</u> | 11/30/2004 10:37:41 AM |

Processing is complete. No errors were found!
You may now proceed to the [upload](#) page.

[Back to Main Menu](#)

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).

| | |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Electronic Submittal Information | |
| 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! | |
| <u>Submittal Title:</u> | 4Q04 GEOWELL SUBMITTAL SITE 4931 |
| <u>Submittal Date/Time:</u> | 11/30/2004 11:04:38 AM |
| <u>Confirmation Number:</u> | 1231190323 |
| Back to Main Menu | |

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)