



June 22, 2005

Mr. Donna Drogas  
Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Alameda County  
JUL 08 2005  
Environmental Health

**Re: Second Quarter 2005 Groundwater Monitoring Report  
ARCO Service Station #2162  
15135 Hesperian Boulevard  
San Leandro, California  
ACEH Case #1259**


Dear Ms. Drogas:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Second Quarter 2005 Groundwater Monitoring Report* for the ARCO Service Station #2162, located at 15135 Hesperian Boulevard, San Leandro, California.

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

Sincerely,

**URS CORPORATION**

  
Scott Robinson, P.G.  
Project Manager



Enclosure: Second Quarter 2005 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS  
Mr. Mike Bakaldin, City of San Leandro Environmental Services Division, electronic copy uploaded to GeoTracker

URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612-1924  
Tel: 510.893.3600  
Fax: 510.874.3268

**REPORT**

Alameda County  
JUL 08 2005  
Environmental Health

**SECOND QUARTER 2005  
GROUNDWATER MONITORING  
REPORT**

ARCO SERVICE STATION #2162  
15135 HESPERIAN BOULEVARD  
SAN LEANDRO, CALIFORNIA

*Prepared for*  
RM

June 22, 2005

**URS**

URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612

Date: June 22, 2005  
Quarter: 2Q 05

### RM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 2162 Address: 15135 Hesperian Boulevard, San Leandro, CA  
RM Environmental Business Manager: Paul Supple  
Consulting Co./Contact Person: URS Corporation / Scott Robinson  
Primary Agency: Alameda County Environmental Health (ACEH)  
Primary Agency Case #: 1259

#### WORK PERFORMED THIS QUARTER (Second – 2005):

1. Performed second quarter 2005 groundwater monitoring event on April 14, 2005.
2. Prepared and submitted this Second Quarter 2005 Groundwater Monitoring Report.

#### WORK PROPOSED FOR NEXT QUARTER (Third – 2005):

1. Perform first annual sampling event.
2. Prepare and submit First Annual Groundwater Monitoring Report.

#### SITE SUMMARY:

Current Phase of Project: Groundwater monitoring/sampling  
Frequency of Groundwater Sampling: Quarterly: MW-3, MW-4  
Annually (3rd Quarter): MW-1, MW-2  
Frequency of Groundwater Monitoring: Quarterly  
Is Free Product (FP) Present On-Site: No  
Current Remediation Techniques: None  
Approximate Depth to Groundwater: 6.69 ft (MW-2) to 8.07 ft (MW-4) feet  
Groundwater Gradient (direction): Southeast  
Groundwater Gradient (magnitude): 0.004 feet per foot

#### DISCUSSION:

Methyl tert-butyl ether was detected at or above the laboratory reporting limit in the two wells sampled this quarter at concentrations of 0.64 µg/L (MW-4) and 5.6 µg/L (MW-3). Xylenes were detected at or above the laboratory reporting limit in one well at a concentration of 1.5 µg/L (MW-3). No other analytes were detected at or above their respective laboratory reporting limits.

**RECOMMENDATIONS:**

A Site Closure Request letter was submitted to ACEH on June 6, 2004.

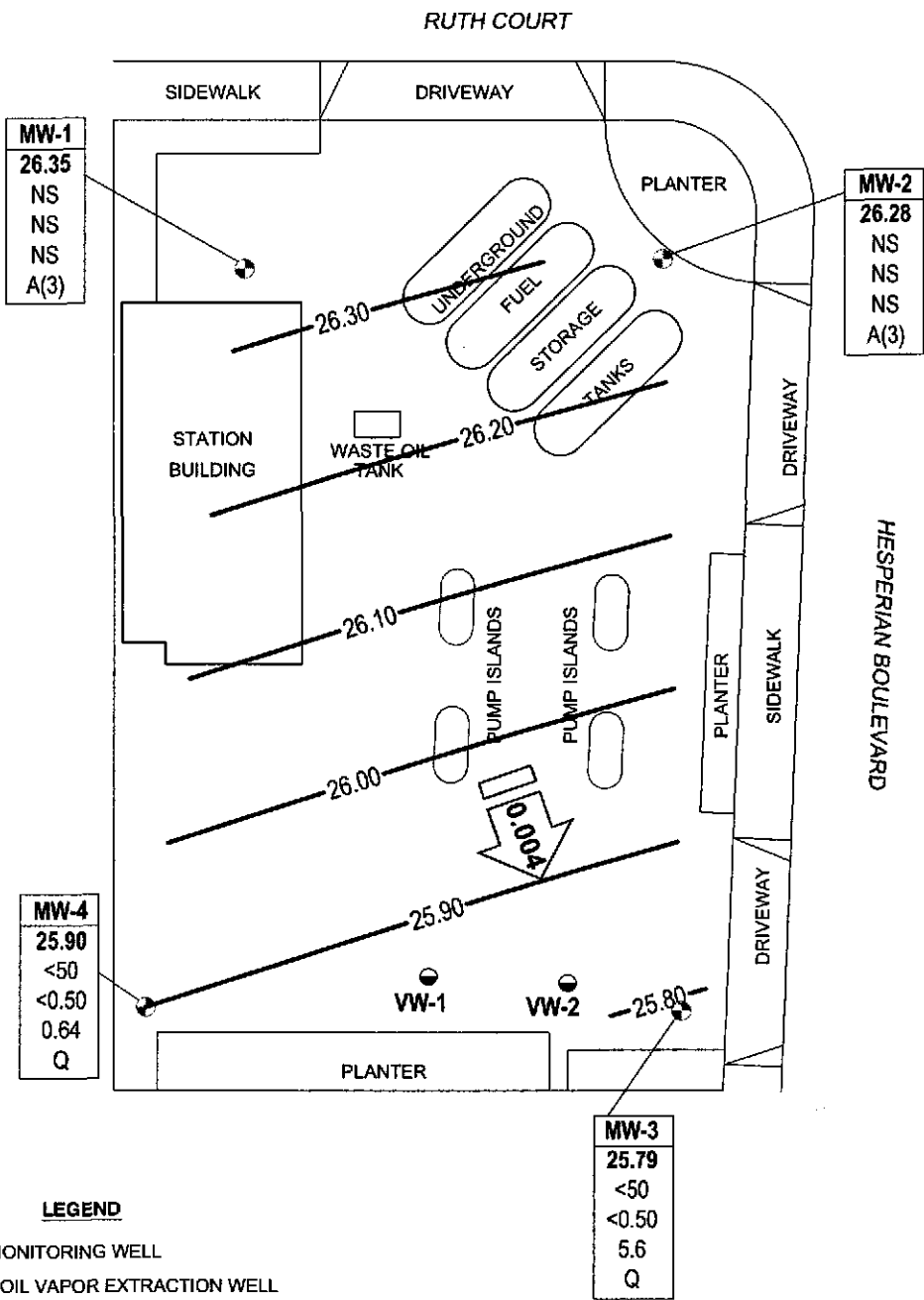
Beginning in the third quarter, 2005, URS will reduce the sampling frequency as recommended in the First Quarter 2005 Groundwater Monitoring Report. The new schedule will be as follows:

| <b>Well</b> | <b>Sampling Schedule</b> |
|-------------|--------------------------|
| MW-1        | Gauge Only (3Q)          |
| MW-2        | Gauge Only (3Q)          |
| MW-3        | Annual (3Q)              |
| MW-4        | Annual (3Q)              |

**ATTACHMENTS:**

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – April 14, 2005
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additive 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

May 17, 2005 - 4:56pm  
 X:\x\_env\waste\BR\_GEN\sites\Scott\_Robinson\Paul\_Supple\2162\Monitoring\2005\_0tr\_2\Drawings\2162-2005-GV.dwg



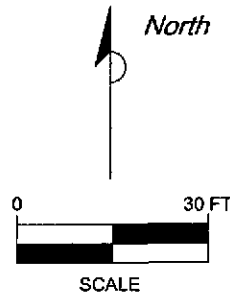
**LEGEND**

- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 25.90 — WATER TABLE CONTOUR (FT ABOVE MSL)
- APPROXIMATE GROUNDWATER FLOW GRADIENT AND DIRECTION (FT/FT)
- WELL DESIGNATION
- |         |
|---------|
| Well    |
| ELEV    |
| GRO     |
| Benzene |
| MTBE    |
| A/Q     |

 GROUNDWATER ELEVATION (FT ABOVE MSL)
- |         |
|---------|
| GRO     |
| Benzene |
| MTBE    |
| A/Q     |

 GRO, BENZENE AND MTBE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- |         |
|---------|
| ELEV    |
| GRO     |
| Benzene |
| MTBE    |
| A/Q     |

 SAMPLING FREQUENCY
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- Q SAMPLED QUARTERLY
- A(3) ANNUAL SAMPLING DURING 3RD QUARTER
- NS NOT SAMPLED



NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



Project No. 38487179  
 ARCO Service Station #2162  
 15135 Hesperian Boulevard  
 San Leandro, California

**GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP**  
 Second Quarter 2005 (April 14, 2005)

FIGURE  
 1

**Table 1**  
**Groundwater Elevation and Analytical Data**  
 ARCO Service Station #2162  
 15135 Hesperian Blvd., San Leandro, CA

| Well No. | Date       | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | 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  |
|----------|------------|-------|---------------------|--------------|------------------------|---------------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| MW-1     | 6/20/2000  | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.33         | 22.86        | <50               | <0.5           | 0.8            | <0.5                 | <1.0                 | <10         | --        | --  |
|          | 9/29/2000  | --    |                     | 31.19        | 8.00                   | 16.00                     | 9.07         | 22.12        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 12/17/2000 | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.69         | 22.50        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 3/23/2001  | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.19         | 23.00        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 6/20/2001  | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.97         | 22.22        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 9/22/2001  | --    |                     | 31.19        | 8.00                   | 16.00                     | 9.56         | 21.63        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 12/28/2001 | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.40         | 22.79        | <50               | <0.5           | <0.5           | <0.5                 | 0.63                 | <2.5        | --        | --  |
|          | 3/14/2002  | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.05         | 23.14        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 170         | --        | --  |
|          | 4/18/2002  | --    |                     | 31.19        | 8.00                   | 16.00                     | 8.27         | 22.92        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | --          | --        | --  |
|          | 7/19/2002  | NP    |                     | 31.19        | 8.00                   | 16.00                     | 8.88         | 22.31        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 11          | 1.0       | 8.2 |
|          | 10/09/02   | NP    | a                   | 31.19        | 8.00                   | 16.00                     | --           | --           | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 03/28/03   | NP    | a, c                | 31.19        | 8.00                   | 16.00                     | --           | --           | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 4/7/2003   | NP    |                     | 31.19        | 8.00                   | 16.00                     | 8.28         | 22.91        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | <0.50       | 1.6       | 6.9 |
|          | 7/9/2003   | NP    |                     | 31.19        | 8.00                   | 16.00                     | 8.62         | 22.57        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | <0.50       | 1.1       | 7.2 |
|          | 10/08/2003 | --    | d, e                | 31.13        | 8.00                   | 16.00                     | 9.19         | 21.94        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 01/13/2004 | --    |                     | 31.13        | 8.00                   | 16.00                     | 8.35         | 22.78        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 04/05/2004 | --    |                     | 33.70        | 8.00                   | 16.00                     | 7.29         | 26.41        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 07/12/2004 | NP    |                     | 33.70        | 8.00                   | 16.00                     | 9.00         | 24.70        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | <0.50       | 0.8       | 7.0 |
|          | 10/19/2004 | --    |                     | 33.70        | 8.00                   | 16.00                     | 9.47         | 24.23        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 01/11/2005 | --    |                     | 33.70        | 8.00                   | 16.00                     | 7.64         | 26.06        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 04/14/2005 | --    |                     | <b>33.70</b> | <b>8.00</b>            | <b>16.00</b>              | <b>7.35</b>  | <b>26.35</b> | --                | --             | --             | --                   | --                   | --          | --        | --  |
| MW-2     | 6/20/2000  | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.38         | 23.00        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|          | 9/29/2000  | --    |                     | 30.38        | 8.00                   | 16.00                     | 8.08         | 22.30        | 266               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 12/17/2000 | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.80         | 22.58        | 175               | <0.5           | <0.5           | 0.659                | <0.5                 | <2.5        | --        | --  |
|          | 3/23/2001  | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.23         | 23.15        | 351               | <0.5           | <0.5           | 0.912                | <0.5                 | <2.5        | --        | --  |
|          | 6/20/2001  | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.98         | 22.40        | 360               | <0.5           | <0.5           | 0.74                 | <0.5                 | <2.5        | --        | --  |
|          | 9/22/2001  | --    |                     | 30.38        | 8.00                   | 16.00                     | 8.55         | 21.83        | 190               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 12/28/2001 | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.53         | 22.85        | 130               | <0.5           | 0.93           | <0.5                 | 0.51                 | <2.5        | --        | --  |
|          | 3/14/2002  | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.17         | 23.21        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | --        | --  |
|          | 4/18/2002  | --    |                     | 30.38        | 8.00                   | 16.00                     | 7.31         | 23.07        | 74                | <0.5           | <0.5           | <0.5                 | <0.5                 | --          | --        | --  |
|          | 7/19/2002  | P     |                     | 30.38        | 8.00                   | 16.00                     | 7.93         | 22.45        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | 1.1       | 7.6 |
|          | 10/9/2002  | P     |                     | 30.38        | 8.00                   | 16.00                     | 8.55         | 21.83        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | 0.7       | 7.3 |
|          | 03/28/03   | P     | c                   | 30.38        | 8.00                   | 16.00                     | 7.30         | 23.08        | <50               | <0.50          | 0.83           | <0.50                | <0.50                | <0.50       | 1.48      | 7.7 |

Table 1

## Groundwater Elevation and Analytical Data

ARCO Service Station #2162  
15135 Hesperian Blvd., San Leandro, CA

| Well No.   | Date       | P/ NP     | Footnotes/ Comments | TOC (ft MSL) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | 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  |
|------------|------------|-----------|---------------------|--------------|------------------------|---------------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| MW-2       | 4/7/2003   | P         |                     | 30.38        | 8.00                   | 16.00                     | 7.36         | 23.02        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | <0.50       | 1.4       | 7.0 |
|            | 7/9/2003   | P         |                     | 30.38        | 8.00                   | 16.00                     | 7.71         | 22.67        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | <0.50       | 2.5       | 7.6 |
|            | 10/08/2003 | --        |                     | 30.38        | 8.00                   | 16.00                     | 8.25         | 22.13        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | 01/13/2004 | --        |                     | 30.38        | 8.00                   | 16.00                     | 7.55         | 22.83        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | 04/05/2004 | --        |                     | 32.97        | 8.00                   | 16.00                     | 7.29         | 25.68        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | 07/12/2004 | NP        |                     | 32.97        | 8.00                   | 16.00                     | 8.09         | 24.88        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | <0.50       | 1.4       | 7.2 |
|            | 10/19/2004 | --        |                     | 32.97        | 8.00                   | 16.00                     | 8.29         | 24.68        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | 01/11/2005 | --        |                     | 32.97        | 8.00                   | 16.00                     | 6.81         | 26.16        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | 04/14/2005 | --        |                     | 32.97        | 8.00                   | 16.00                     | 6.69         | 26.28        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | MW-3       | 6/20/2000 | --                  |              | 30.3                   | 8.00                      | 15.00        | 7.75         | 22.55             | --             | --             | --                   | --                   | --          | --        | --  |
| 9/29/2000  |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 8.46         | 21.84        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 128         | --        | --  |
| 12/17/2000 |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 8.01         | 22.29        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 46.7        | --        | --  |
| 3/23/2001  |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 7.70         | 22.60        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 26.8        | --        | --  |
| 6/20/2001  |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 8.23         | 22.07        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 30          | --        | --  |
| 9/22/2001  |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 8.89         | 21.41        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 12          | --        | --  |
| 12/28/2001 |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 7.83         | 22.47        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 6.2         | --        | --  |
| 3/14/2002  |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 7.48         | 22.82        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 47          | --        | --  |
| 4/18/2002  |            | --        |                     | 30.3         | 8.00                   | 15.00                     | 7.62         | 22.68        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | --          | --        | --  |
| 7/19/2002  |            | P         | b (TPH-g)           | 30.3         | 8.00                   | 15.00                     | 8.23         | 22.07        | 100               | <1.0           | <1.0           | <1.0                 | <1.0                 | 330         | 0.9       | 7.6 |
| 10/9/2002  |            | P         |                     | 30.3         | 8.00                   | 15.00                     | 8.83         | 21.47        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 61          | 0.5       | 7.4 |
| 03/28/03   |            | P         | c                   | 30.3         | 8.00                   | 15.00                     | 7.85         | 22.45        | 52                | <0.50          | 1.2            | <0.50                | <0.50                | 45          | 1.42      | 7.6 |
| 4/7/2003   |            | P         |                     | 30.3         | 8.00                   | 15.00                     | 7.71         | 22.59        | 56                | <0.50          | <0.50          | <0.50                | <0.50                | 56          | 1.1       | 6.8 |
| 7/9/2003   |            | P         |                     | 30.3         | 8.00                   | 15.00                     | 8.00         | 22.30        | <500              | <5.0           | <5.0           | <5.0                 | <5.0                 | 87          | 1.6       | 7.4 |
| 10/08/2003 |            | P         |                     | 30.30        | 8.00                   | 15.00                     | 8.59         | 21.71        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 25          | 0.9       | --  |
| 01/15/2004 |            | P         |                     | 30.30        | 8.00                   | 15.00                     | 7.90         | 22.40        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 9.8         | 2.9       | 7.3 |
| 04/05/2004 |            | P         |                     | 32.89        | 8.00                   | 15.00                     | 7.61         | 25.28        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 15          | 1.5       | 7.0 |
| 07/12/2004 |            | P         |                     | 32.89        | 8.00                   | 15.00                     | 8.45         | 24.44        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 7.3         | 1.6       | 6.9 |
| 10/19/2004 |            | P         |                     | 32.89        | 8.00                   | 15.00                     | 8.95         | 23.94        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 5.0         | 0.96      | 7.1 |
| 01/11/2005 |            | P         |                     | 32.89        | 8.00                   | 15.00                     | 7.27         | 25.62        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 2.3         | --        | 7.2 |
| 04/14/2005 | P          |           | 32.89               | 8.00         | 15.00                  | 7.10                      | 25.79        | <50          | <0.50             | <0.50          | <0.50          | 1.5                  | 5.6                  | 2.0         | 7.2       |     |
| MW-4       | 6/20/2000  | --        |                     | 30.39        | 10.00                  | 18.00                     | 8.87         | 21.52        | --                | --             | --             | --                   | --                   | --          | --        | --  |
|            | 9/29/2000  | --        |                     | 30.39        | 10.00                  | 18.00                     | 9.61         | 20.78        | <50               | 1.02           | <0.5           | <0.5                 | <0.5                 | 12.2        | --        | --  |
|            | 12/17/2000 | --        |                     | 30.39        | 10.00                  | 18.00                     | 9.17         | 21.22        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 5.81        | --        | --  |

**Table 1**  
**Groundwater Elevation and Analytical Data**  
 ARCO Service Station #2162  
 15135 Hesperian Blvd., San Leandro, CA

| Well No. | Date       | P/ NP | Footnotes/ Comments | TOC (ft MSL) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | 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  |
|----------|------------|-------|---------------------|--------------|------------------------|---------------------------|--------------|--------------|-------------------|----------------|----------------|----------------------|----------------------|-------------|-----------|-----|
| MW-4     | 3/23/2001  | --    |                     | 30.39        | 10.00                  | 18.00                     | 8.70         | 21.69        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 3.04        | ---       | --- |
|          | 6/20/2001  | --    |                     | 30.39        | 10.00                  | 18.00                     | 9.51         | 20.88        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | <2.5        | ---       | --- |
|          | 9/22/2001  | --    |                     | 30.39        | 10.00                  | 18.00                     | 10.06        | 20.33        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 5.2         | ---       | --- |
|          | 12/28/2001 | --    |                     | 30.39        | 10.00                  | 18.00                     | 8.86         | 21.53        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 4.3         | ---       | --- |
|          | 3/14/2002  | --    |                     | 30.39        | 10.00                  | 18.00                     | 8.52         | 21.87        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 5.1         | ---       | --- |
|          | 4/18/2002  | --    |                     | 30.39        | 10.00                  | 18.00                     | 8.76         | 21.63        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | --          | ---       | --- |
|          | 7/19/2002  | NP    |                     | 30.39        | 10.00                  | 18.00                     | 9.39         | 21.00        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 30          | 1.8       | 7.8 |
|          | 10/9/2002  | NP    |                     | 30.39        | 10.00                  | 18.00                     | 10.08        | 20.31        | <50               | <0.5           | <0.5           | <0.5                 | <0.5                 | 28          | 1.0       | 8.0 |
|          | 03/28/03   | NP    | c                   | 30.39        | 10.00                  | 18.00                     | 8.88         | 21.51        | <50               | <0.50          | 1.3            | <0.50                | <0.50                | 4.4         | 0.98      | 7.2 |
|          | 4/7/2003   | NP    |                     | 30.39        | 10.00                  | 18.00                     | 8.78         | 21.61        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 14          | 1.1       | 7.0 |
|          | 7/9/2003   | NP    |                     | 30.39        | 10.00                  | 18.00                     | 9.14         | 21.25        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 1.8         | 1.6       | 7.4 |
|          | 10/08/2003 | NP    |                     | 30.39        | 10.00                  | 18.00                     | 9.77         | 20.62        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 3.1         | 2.6       | 6.4 |
|          | 01/15/2004 | P     |                     | 30.39        | 10.00                  | 18.00                     | 8.68         | 21.71        | <50               | 1.4            | 0.84           | <0.50                | 1.5                  | 6.6         | 2.9       | 7.1 |
|          | 04/05/2004 | NP    |                     | 33.97        | 10.00                  | 18.00                     | 8.77         | 25.20        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 1.3         | 1.2       | 7.0 |
|          | 07/12/2004 | NP    |                     | 33.97        | 10.00                  | 18.00                     | 9.46         | 24.51        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 1.0         | 2.5       | 6.6 |
|          | 10/19/2004 | NP    |                     | 33.97        | 10.00                  | 18.00                     | 9.91         | 24.06        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 4.4         | 1.21      | 7.9 |
|          | 01/11/2005 | P     |                     | 33.97        | 10.00                  | 18.00                     | 7.80         | 26.17        | 59                | 2.0            | <0.50          | <0.50                | <0.50                | 11          | 0.9       | 7.1 |
|          | 04/14/2005 | NP    |                     | 33.97        | 10.00                  | 18.00                     | 8.07         | 25.90        | <50               | <0.50          | <0.50          | <0.50                | <0.50                | 0.64        | 2.8       | 7.4 |



**Table 1**

**Groundwater Elevation and Analytical Data**

ARCO Service Station #2162

15135 Hesperian Blvd., San Leandro, CA

**SYMBOLS AND 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  
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 = Well not accessible - car parked over.  
b = Hydrocarbon pattern is present in the requested fuel quantitation range but does not represent the pattern of the requested fuel  
c = TPH-g, BTEX and MTBE analyzed by EPA method 8260 beginning on 1st Quarter 2003 sampling event (3/28/03)  
d = Guaged with stinger in well  
e = Well casing lowered 0.06 feet during well repairs on 9/17/2003

**NOTES:**

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. Total petroleum hydrocarbons as gasoline (TPHg) 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.

Well were surveyed to NAVD'88 datum by URS Corporation on February 23, 2004.

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 #2162**  
**15135 Hesperian Blvd., San Leandro, 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 |
|-------------|--------------|----------------|------------|-------------|-------------|-------------|-------------|----------------|------------|---------------------|
| MW-1        | 3/28/2003    | ---            | ---        | --          | ---         | ---         | ---         | ---            | ---        |                     |
|             | 4/7/2003     | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 7/9/2003     | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 07/12/2004   | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
| MW-2        | 3/28/2003    | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 4/7/2003     | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 7/9/2003     | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 07/12/2004   | <100           | <20        | <0.50       | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
| MW-3        | 3/28/2003    | <100           | <20        | 45          | <0.50       | <0.50       | 0.73        | <0.50          | <0.50      |                     |
|             | 4/7/2003     | <100           | <20        | 56          | <0.50       | <0.50       | 0.72        | <0.50          | <0.50      |                     |
|             | 7/9/2003     | <1,000         | <200       | 87          | <5.0        | <5.0        | <5.0        | <5.0           | <5.0       |                     |
|             | 10/08/2003   | <100           | <20        | 25          | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 01/15/2004   | <100           | <20        | 9.8         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      | a (TBA and EDB)     |
|             | 04/05/2004   | <100           | <20        | 15          | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 07/12/2004   | <100           | <20        | 7.3         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 10/19/2004   | <100           | <20        | 5.0         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 01/11/2005   | <100           | <20        | 2.3         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      | b                   |
|             | 04/14/2005   | <100           | <20        | 5.6         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
| MW-4        | 3/28/2003    | <100           | <20        | 4.4         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 4/7/2003     | <100           | <20        | 14          | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 7/9/2003     | <100           | <20        | 1.8         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 10/08/2003   | <100           | <20        | 3.1         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 01/15/2004   | <100           | <20        | 6.6         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      | a (TBA and EDB)     |
|             | 04/05/2004   | <100           | <20        | 1.3         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 07/12/2004   | <100           | <20        | 1.0         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 10/19/2004   | <100           | <20        | 4.4         | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |
|             | 01/11/2005   | <100           | <20        | 11          | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      | b                   |
|             | 04/14/2005   | <100           | <20        | 0.64        | <0.50       | <0.50       | <0.50       | <0.50          | <0.50      |                     |

## Table 2

### Fuel Additives Analytical Data ARCO Service Station #2162 15135 Hesperian Blvd., San Leandro, CA

#### SYMBOLS AND ABBREVIATIONS:

< = Not detected at or above specified laboratory reporting limit

--- = Not analyzed/applicable/measured/available

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 was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

b = The calibration verification for ethanol is within method limits but outside contract limits.

#### NOTES:

All fuel oxygenate compounds analyzed using EPA Method 8260B

**Table 3**  
**Groundwater Gradient Data**  
 ARCO Service Station #2162  
 15135 Hesperian Blvd., San Leandro, CA

| <b>Date Sampled</b> | <b>Approximate Flow Direction</b> | <b>Approximate Hydraulic Gradient</b> |
|---------------------|-----------------------------------|---------------------------------------|
| 3/23/2001           | Southwest                         | 0.011                                 |
| 6/20/2001           | Southwest                         | 0.013                                 |
| 9/22/2001           | Southwest                         | 0.012                                 |
| 12/28/2001          | Southwest                         | 0.010                                 |
| 3/14/2002           | Southwest                         | 0.011                                 |
| 4/18/2002           | Southwest                         | 0.012                                 |
| 7/19/2002           | Southwest                         | 0.012                                 |
| 10/9/2002           | Southwest                         | 0.013                                 |
| 3/28/2003           | Southwest                         | 0.013                                 |
| 4/7/2003            | Southwest                         | 0.011                                 |
| 7/9/2003            | Southwest                         | 0.010                                 |
| 10/8/2003           | Southwest                         | 0.010                                 |
| 1/15/2004           | Southwest                         | 0.008                                 |
| 4/5/2004            | South-Southwest                   | 0.004                                 |
| 7/12/2004           | South and Southwest               | 0.003 and 0.005                       |
| 10/19/2004          | Southwest                         | 0.004                                 |
| 1/11/2005           | Southwest (a) to Southeast (b)    | 0.005 to 0.004                        |
| 4/14/2005           | Southeast                         | 0.004                                 |

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

**FOOTNOTES:**

- a = Direction at underground storage tanks
- b = Direction at dispensers

**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 # 050414-552 Date 4/14/05 Client Arco 2162

Site 15135 Hesperian Blvd. San Leandro

| Well ID | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC |   |
|---------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|---|
| MW-1    | 4               |              |                                  |                                      |                                    | 7.35                 | 15.90                      | 1                        | mp 8'                                       |
| MW-2    | 4               |              |                                  |                                      |                                    | 6.69                 | 16.05                      |                          | mp 8'                                       |
| S MW-3  | 4               |              |                                  |                                      |                                    | 7.10                 | 15.00                      |                          | mpc   |
| S MW-4  | 4               |              |                                  |                                      |                                    | 8.07                 | 17.25                      | ✓                        | mp 8'<br>2 stopped tabs<br>H <sub>2</sub> O |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |   |

## ARCO / BP WELL MONITORING DATA SHEET

|                                 |   |
|---------------------------------|---|
| BTS #: <u>050414-552</u>        | Station # <u>ARCO 2162</u>                  |
| Sampler: <u>Scope</u>           | Date: <u>4/14/05</u>                        |
| Well I.D.: <u>MW-3</u>          | Well Diameter: 2 3 <u>4</u> 6 8 <u>    </u> |
| Total Well Depth: <u>15.00</u>  | Depth to Water: <u>7.10</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 <sup>2</sup> * 0.163 |

|   |   |
|---|---|
| Purge Method: <u>Bailer</u><br>Disposable Bailer<br>Positive Air Displacement<br>Electric <u>Submersible</u><br>Extraction Pump<br>Other: _____ | Sampling Method: <u>Bailer</u><br>Disposable <u>Bailer</u><br>Extraction Port<br>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>5.1</u>            | x | <u>3</u>          | = | <u>15.3</u>       | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time        | Temp (°F)   | pH         | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|-------------|-------------|------------|---------------------------------|---------------|--------------|
| <u>1216</u> | <u>67.8</u> | <u>7.3</u> | <u>602</u>                      | <u>5.1</u>    | <u>clear</u> |
| <u>1217</u> | <u>67.5</u> | <u>7.2</u> | <u>613</u>                      | <u>10.2</u>   | "            |
| <u>1218</u> | <u>67.5</u> | <u>7.2</u> | <u>625</u>                      | <u>15.3</u>   | "            |
|             |             |            |                                 |               |              |
|             |             |            |                                 |               |              |

|   |   |                             |
|---|---|-----------------------------|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Gallons actually evacuated: <u>15.3</u>     |                             |
| Sampling Time: <u>1222</u>  | Sampling Date: <u>4/14/05</u>               |                             |
| Sample I.D.: <u>MW-3</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>050414-552</u>        | Station # <u>ARCO 2162</u>             |
| Sampler: <u>500cl</u>           | Date: <u>4/14/05</u>                   |
| Well I.D.: <u>MW-4</u>          | Well Diameter: 2 3 <u>4</u> 6 8        |
| Total Well Depth: <u>17.25</u>  | Depth to Water: <u>8.07</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 <sup>2</sup> * 0.163 |

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

Top of Screen: 8' 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>GDRB</u>           | X | _____             | = | _____             | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time        | Temp (°F)   | pH         | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|-------------|-------------|------------|---------------------------------|---------------|--------------|
| <u>1205</u> | <u>65.2</u> | <u>7.4</u> | <u>768</u>                      | —             | <u>clear</u> |
|             |             |            |                                 |               |              |
|             |             |            |                                 |               |              |
|             |             |            |                                 |               |              |
|             |             |            |                                 |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: \_\_\_\_\_

|                            |   |
|----------------------------|---|
| Sampling Time: <u>1205</u> | Sampling Date: <u>4/14/05</u>               |
| Sample I.D.: <u>MW-4</u>   | Laboratory: Pace <u>Sequoia</u> Other _____ |

|  |                       |                             |
|--|-----------------------|-----------------------------|
| Analyzed for: GRO BTEX MTBE DRO Other: <u>see sample</u> |                       |                             |
| D.O. (if req'd):   | Pre-purge: _____ mg/L | Post-purge: <u>2.8</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:

2112

Station # \_\_\_\_\_

15135 Hesperian San Leandro

Station Address \_\_\_\_\_

Total Gallons Collected From Groundwater Monitoring Wells: \_\_\_\_\_

added equip. \_\_\_\_\_ any other adjustments \_\_\_\_\_  
 rinse water \_\_\_\_\_

TOTAL GALS. RECOVERED 15 loaded onto BTS vehicle # 97

BTS event # \_\_\_\_\_ time \_\_\_\_\_ date \_\_\_\_\_  
050414552 1245 4/14/95

signature [Signature]

\*\*\*\*\*

REC'D AT \_\_\_\_\_ time \_\_\_\_\_ date \_\_\_\_\_  
BTS 1500 4/14/95

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.



2 May, 2005

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

RE: ARCO #2162, San Leandro, CA  
Work Order: MOD0401

Enclosed are the results of analyses for samples received by the laboratory on 04/15/05 18:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tim Costello For Lisa Race  
Senior Project Manager

CA ELAP Certificate #1210

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

 Project: ARCO #2162, San Leandro, CA  
 Project Number: G0C2C-0004  
 Project Manager: Scott Robinson

 MOD0401  
 Reported:  
 05/02/05 17:30

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID        | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------------|---------------|--------|----------------|----------------|
| MW-3             | MOD0401-01    | Water  | 04/14/05 12:22 | 04/15/05 18:40 |
| MW-4             | MOD0401-02    | Water  | 04/14/05 12:05 | 04/15/05 18:40 |
| TB-04142005-2162 | MOD0401-03    | Water  | 04/14/05 00:00 | 04/15/05 18:40 |

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 no custody seals.

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

 Project: ARCO #2162, San Leandro, CA  
 Project Number: G0C2C-0004  
 Project Manager: Scott Robinson

 MOD0401  
 Reported:  
 05/02/05 17:30

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

| Analyte   | Result      | Reporting   |  | Units         | Dilution | Batch    | Prepared | Analyzed | Method    | Notes |
|---|-------------|-------------|--|---------------|----------|----------|----------|----------|-----------|-------|
|   |             | Limit       |  |               |          |          |          |          |           |       |
| <b>MW-3 (MOD0401-01) Water</b> <b>Sampled: 04/14/05 12:22</b> <b>Received: 04/15/05 18:40</b> |             |             |  |               |          |          |          |          |           |       |
| tert-Amyl methyl ether  | ND          | 0.50        |  | ug/l          | 1        | 5D25007  | 04/25/05 | 04/25/05 | EPA 8260B |       |
| 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        |  | "             | "        | "        | "        | "        | "         |       |
| <b>Methyl tert-butyl ether</b>  | <b>5.6</b>  | 0.50        |  | "             | "        | "        | "        | "        | "         |       |
| Toluene   | ND          | 0.50        |  | "             | "        | "        | "        | "        | "         |       |
| <b>Xylenes (total)</b>  | <b>1.5</b>  | 0.50        |  | "             | "        | "        | "        | "        | "         |       |
| <b>Gasoline Range Organics (C4-C12)</b>   | <b>ND</b>   | <b>50</b>   |  | "             | "        | "        | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |             | <i>93 %</i> |  | <i>60-135</i> |          | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i>  |       |
| <b>MW-4 (MOD0401-02) Water</b> <b>Sampled: 04/14/05 12:05</b> <b>Received: 04/15/05 18:40</b> |             |             |  |               |          |          |          |          |           |       |
| tert-Amyl methyl ether  | ND          | 0.50        |  | ug/l          | 1        | 5D25007  | 04/25/05 | 04/25/05 | EPA 8260B |       |
| 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        |  | "             | "        | "        | "        | "        | "         |       |
| <b>Methyl tert-butyl ether</b>  | <b>0.64</b> | 0.50        |  | "             | "        | "        | "        | "        | "         |       |
| Toluene   | ND          | 0.50        |  | "             | "        | "        | "        | "        | "         |       |
| <b>Xylenes (total)</b>  | <b>ND</b>   | <b>0.50</b> |  | "             | "        | "        | "        | "        | "         |       |
| <b>Gasoline Range Organics (C4-C12)</b>   | <b>ND</b>   | <b>50</b>   |  | "             | "        | "        | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |             | <i>87 %</i> |  | <i>60-135</i> |          | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i>  |       |

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

Project: ARCO #2162, San Leandro, CA  
Project Number: G0C2C-0004  
Project Manager: Scott Robinson

MOD0401  
Reported:  
05/02/05 17:30

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

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

**Batch 5D25007 - EPA 5030B P/T / EPA 8260B**
**Blank (5D25007-BLK1)**

Prepared &amp; Analyzed: 04/25/05

|   |      |      |      |      |  |    |        |  |  |  |
|---|------|------|------|------|--|----|--------|--|--|--|
| 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   | "    |      |  |    |        |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 4.42 |      | "    | 5.00 |  | 88 | 60-135 |  |  |  |

**Laboratory Control Sample (5D25007-BS1)**

Prepared &amp; Analyzed: 04/25/05

|   |      |      |      |      |  |     |        |  |  |  |
|---|------|------|------|------|--|-----|--------|--|--|--|
| tert-Amyl methyl ether                  | 9.86 | 0.50 | ug/l | 10.0 |  | 99  | 80-115 |  |  |  |
| Benzene                                 | 9.09 | 0.50 | "    | 10.0 |  | 91  | 65-115 |  |  |  |
| tert-Butyl alcohol                      | 49.4 | 20   | "    | 50.0 |  | 99  | 75-150 |  |  |  |
| Di-isopropyl ether                      | 10.2 | 0.50 | "    | 10.0 |  | 102 | 75-125 |  |  |  |
| 1,2-Dibromoethane (EDB)                 | 9.26 | 0.50 | "    | 10.0 |  | 93  | 85-120 |  |  |  |
| 1,2-Dichloroethane                      | 10.1 | 0.50 | "    | 10.0 |  | 101 | 85-130 |  |  |  |
| Ethanol                                 | 192  | 100  | "    | 200  |  | 96  | 70-135 |  |  |  |
| Ethyl tert-butyl ether                  | 10.4 | 0.50 | "    | 10.0 |  | 104 | 75-130 |  |  |  |
| Ethylbenzene                            | 8.86 | 0.50 | "    | 10.0 |  | 89  | 75-135 |  |  |  |
| Methyl tert-butyl ether                 | 9.74 | 0.50 | "    | 10.0 |  | 97  | 65-125 |  |  |  |
| Toluene                                 | 10.3 | 0.50 | "    | 10.0 |  | 103 | 85-120 |  |  |  |
| Xylenes (total)                         | 26.4 | 0.50 | "    | 30.0 |  | 88  | 85-125 |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 4.85 |      | "    | 5.00 |  | 97  | 60-135 |  |  |  |



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

 Project: ARCO #2162, San Leandro, CA  
 Project Number: G0C2C-0004  
 Project Manager: Scott Robinson

 MOD0401  
 Reported:  
 05/02/05 17:30

**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 5D25007 - EPA 5030B P/T / EPA 8260B**
**Laboratory Control Sample (5D25007-BS2)**

Prepared &amp; Analyzed: 04/25/05

|   |             |      |          |             |  |            |               |  |  |  |
|---|-------------|------|----------|-------------|--|------------|---------------|--|--|--|
| Benzene                                 | 5.23        | 0.50 | ug/l     | 6.40        |  | 82         | 65-115        |  |  |  |
| Ethylbenzene                            | 7.40        | 0.50 | "        | 7.52        |  | 98         | 75-135        |  |  |  |
| Methyl tert-butyl ether                 | 8.73        | 0.50 | "        | 9.92        |  | 88         | 65-125        |  |  |  |
| Toluene                                 | 33.7        | 0.50 | "        | 31.9        |  | 106        | 85-120        |  |  |  |
| Xylenes (total)                         | 36.3        | 0.50 | "        | 36.6        |  | 99         | 85-125        |  |  |  |
| Gasoline Range Organics (C4-C12)        | 354         | 50   | "        | 440         |  | 80         | 70-124        |  |  |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>5.00</i> |      | <i>"</i> | <i>5.00</i> |  | <i>100</i> | <i>60-135</i> |  |  |  |

**Laboratory Control Sample Dup (5D25007-BSD1)**

Prepared &amp; Analyzed: 04/25/05

|   |             |      |          |             |  |           |               |    |    |  |
|---|-------------|------|----------|-------------|--|-----------|---------------|----|----|--|
| tert-Amyl methyl ether                  | 9.16        | 0.50 | ug/l     | 10.0        |  | 92        | 80-115        | 7  | 15 |  |
| Benzene                                 | 9.73        | 0.50 | "        | 10.0        |  | 97        | 65-115        | 7  | 20 |  |
| tert-Butyl alcohol                      | 51.5        | 20   | "        | 50.0        |  | 103       | 75-150        | 4  | 25 |  |
| Di-isopropyl ether                      | 9.79        | 0.50 | "        | 10.0        |  | 98        | 75-125        | 4  | 15 |  |
| 1,2-Dibromoethane (EDB)                 | 9.01        | 0.50 | "        | 10.0        |  | 90        | 85-120        | 3  | 15 |  |
| 1,2-Dichloroethane                      | 8.74        | 0.50 | "        | 10.0        |  | 87        | 85-130        | 14 | 20 |  |
| Ethanol                                 | 177         | 100  | "        | 200         |  | 88        | 70-135        | 8  | 35 |  |
| Ethyl tert-butyl ether                  | 10.1        | 0.50 | "        | 10.0        |  | 101       | 75-130        | 3  | 25 |  |
| Ethylbenzene                            | 9.47        | 0.50 | "        | 10.0        |  | 95        | 75-135        | 7  | 15 |  |
| Methyl tert-butyl ether                 | 9.01        | 0.50 | "        | 10.0        |  | 90        | 65-125        | 8  | 20 |  |
| Toluene                                 | 11.0        | 0.50 | "        | 10.0        |  | 110       | 85-120        | 7  | 20 |  |
| Xylenes (total)                         | 29.2        | 0.50 | "        | 30.0        |  | 97        | 85-125        | 10 | 20 |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.03</i> |      | <i>"</i> | <i>5.00</i> |  | <i>81</i> | <i>60-135</i> |    |    |  |

**Matrix Spike (5D25007-MS1)**

Source: MOD0405-02

Prepared &amp; Analyzed: 04/25/05

|   |             |      |          |             |       |            |               |  |  |        |
|---|-------------|------|----------|-------------|-------|------------|---------------|--|--|--------|
| Benzene                                 | 434         | 25   | ug/l     | 320         | 170   | 82         | 65-115        |  |  |        |
| Ethylbenzene                            | 1700        | 25   | "        | 376         | 1500  | 53         | 75-135        |  |  | BB, LN |
| Methyl tert-butyl ether                 | 456         | 25   | "        | 496         | 2.5   | 91         | 65-125        |  |  |        |
| Toluene                                 | 1820        | 25   | "        | 1600        | 200   | 101        | 85-120        |  |  |        |
| Xylenes (total)                         | 4920        | 25   | "        | 1830        | 5000  | NR         | 85-125        |  |  | LN     |
| Gasoline Range Organics (C4-C12)        | 38900       | 2500 | "        | 22000       | 26000 | 59         | 70-124        |  |  | BB, LN |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>5.02</i> |      | <i>"</i> | <i>5.00</i> |       | <i>100</i> | <i>60-135</i> |  |  |        |

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

 Project: ARCO #2162, San Leandro, CA  
 Project Number: G0C2C-0004  
 Project Manager: Scott Robinson

 MOD0401  
 Reported:  
 05/02/05 17:30

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

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

**Batch 5D25007 - EPA 5030B P/T / EPA 8260B**
**Matrix Spike Dup (5D25007-MSD1)**

Source: MOD0405-02

Prepared &amp; Analyzed: 04/25/05

|   |             |      |          |             |       |           |               |    |    |        |
|---|-------------|------|----------|-------------|-------|-----------|---------------|----|----|--------|
| Benzene                                 | 452         | 25   | ug/l     | 320         | 170   | 88        | 65-115        | 4  | 20 |        |
| Ethylbenzene                            | 1790        | 25   | "        | 376         | 1500  | 77        | 75-135        | 5  | 15 |        |
| Methyl tert-butyl ether                 | 409         | 25   | "        | 496         | 2.5   | 82        | 65-125        | 11 | 20 |        |
| Toluene                                 | 1840        | 25   | "        | 1600        | 200   | 102       | 85-120        | 1  | 20 |        |
| Xylenes (total)                         | 5200        | 25   | "        | 1830        | 5000  | 11        | 85-125        | 6  | 20 | LN     |
| Gasoline Range Organics (C4-C12)        | 39900       | 2500 | "        | 22000       | 26000 | 63        | 70-124        | 3  | 20 | BB, LN |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.26</i> |      | <i>"</i> | <i>5.00</i> |       | <i>85</i> | <i>60-135</i> |    |    |        |

URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612Project: ARCO #2162, San Leandro, CA  
Project Number: G0C2C-0004  
Project Manager: Scott RobinsonMOD0401  
Reported:  
05/02/05 17:30**Notes and Definitions**

LN MS and/or MSD below acceptance limits. See Blank Spike(LCS).

BB, LN Sample > 4x spike concentration.

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: Analytical for QMR Sampling  
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 2162 > Historical/BL  
 State or Lead Regulatory Agency: California Regional Water Quality Control Board- San Fr  
 Requested Due Date (mm/dd/yy): 10 Day TAT

|                                 |                     |
|---------------------------------|---------------------|
| On-site Time: <u>1145</u>       | Temp: <u>68°</u>    |
| Off-site Time: <u>1245</u>      | Temp: <u>65°</u>    |
| Sky Conditions: <u>clear</u>    |                     |
| Meteorological Events: <u>—</u> |                     |
| Wind Speed: <u>—</u>            | Direction: <u>—</u> |

|  |   |  |
|--|---|--|
| Lab Name: <u>Sequoia</u>   | BP/AR Facility No.: <u>2162</u>   | Consultant/Contractor: <u>URS</u>                                    |
| Address: <u>885 Jarvis Drive</u><br><u>Morgan Hill, CA 95037</u> | BP/AR Facility Address: <u>15135 Hesperian Blvd., San Leandro, CA 945</u> | Address: <u>1333 Broadway, Suite 800</u><br><u>Oakland, CA 94612</u> |
| Lab PM: <u>Lisa Race</u>   | Site Lat/Long: <u>37.70001 / -122.1303</u>                                | Consultant/Contractor Project No.: <u>38487028</u>                   |
| Tele/Fax: <u>408.782.8156 / 408.782.6308</u>                     | California Global ID No.: <u>T0600100084</u>                              | Consultant/Contractor PM: <u>Scott Robinson</u>                      |
| BP/AR PM Contact: <u>Paul Supple</u>                             | Enfos Project No.: <u>G0C2C-0004</u>                                      | Tele/Fax: <u>510.874.3280 / 510.874.3268</u>                         |
| Address: <u>P.O. Box 6549</u><br><u>Moraga, CA 94570</u>         | Provision or RCOP: <u>Provision</u>                                       | Report Type & QC Level: <u>Level 1 with EDF</u>                      |
| Tele/Fax: <u>925.299.8891 / 925.299.8872</u>                     | Phase/WBS: <u>04 - Mon/Remed by Natural Attenuation</u>                   | E-mail EDD To: <u>Rachel.Lindvall@urscorp.com</u>                    |
|  | Sub Phase/Task: <u>03 - Analytical</u>                                    | Invoice to: <u>Atlantic Richfield Company</u>                        |
|  | Cost Element: <u>05 - Subcontracted Costs</u>                             |  |

| Item No. | Sample Description | Time | Date    | Matrix     |              |     | Laboratory No. | No. of Containers | Preservative |                                |                  |     |          | Requested Analysis |                                    |                    |                |   | Sample Point Lat/Long and Comments |  |         |
|----------|--------------------|------|---------|------------|--------------|-----|----------------|-------------------|--------------|--------------------------------|------------------|-----|----------|--------------------|------------------------------------|--------------------|----------------|---|------------------------------------|--|---------|
|          |                    |      |         | Soil/Solid | Water/Liquid | Air |                |                   | Unpreserved  | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | Methanol | GRX/BTEX (3260)    | MTBE, TAME, ETBE, DIPE, TBA (3260) | 2-DCA & EDB (3260) | ETHANOL (3260) |   |                                    |  |         |
| 1        | MW-3               | 1222 | 4/14/05 | X          |              |     | 01             | 3                 |              |                                |                  |     |          |                    | X                                  | X                  | X              | X |                                    |  |         |
| 2        | MW-4               | 1205 | "       | X          |              |     | 02             | 3                 |              |                                |                  |     |          |                    | X                                  | X                  | X              | X |                                    |  |         |
| 3        | TB-04142005-2162   | —    | "       | X          |              |     | 03             | 2                 |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  | on hold |
| 4        |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |
| 5        |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |
| 6        |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |
| 7        |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |
| 8        |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |
| 9        |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |
| 10       |                    |      |         |            |              |     |                |                   |              |                                |                  |     |          |                    |                                    |                    |                |   |                                    |  |         |

|                                     |   |                   |                    |   |                   |                    |
|-------------------------------------|---|-------------------|--------------------|---|-------------------|--------------------|
| Sampler's Name: <u>Suehwan LUNG</u> | Relinquished By / Affiliation: <u>[Signature]</u> | Date: <u>4/15</u> | Time: <u>10:37</u> | Accepted By / Affiliation: <u>[Signature]</u> | Date: <u>4/15</u> | Time: <u>10:38</u> |
| Sampler's Company: <u>BTS</u>       |   |                   |                    |   | <u>4/15</u>       | <u>1840</u>        |
| Shipment Date:                      |   |                   |                    |   |                   |                    |
| Shipment Method:                    |   |                   |                    |   |                   |                    |
| Shipment Tracking No:               |   |                   |                    |   |                   |                    |

Special Instructions: \_\_\_\_\_

Custody Seals In Place Yes  No \_\_\_\_\_ Temp Blank Yes  No \_\_\_\_\_ Cooler Temperature on Receipt 9/C Trip Blank Yes  No \_\_\_\_\_

## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Aeco # 2162  
 REC. BY (PRINT) JAY  
 WORKORDER: MWD 0401

DATE REC'D AT LAB: 4/15/05  
 TIME REC'D AT LAB: 1848  
 DATE LOGGED IN: 4-17-05

For Regulatory Purposes?  
 DRINKING WATER YES/NO  YES /  NO  
 WASTE WATER YES/NO  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) Present / <input checked="" type="checkbox"/> Absent<br>Intact / Broken*  | 01           | A.C    | MW-3             | (3) UGA               | HCL          | -  | L             | 4/14/05      |                           |
|  | 02           | L      | MW-4             | ↓                     | ↓            | ↓  | ↓             | ↓            |                           |
| 2. Chain-of-Custody Present / <input checked="" type="checkbox"/> Absent*  | 03           | A.P    | TB-04142045-2162 | (2) UGA               | ↓            | ↓  | ↓             | ↓            |                           |
| 3. Traffic Reports or Packing List: Present / <input checked="" type="checkbox"/> Absent   |              |        |                  |                       |              |    |               |              |                           |
| 4. Airbill: Airbill / Sticker Present / <input checked="" type="checkbox"/> Absent   |              |        |                  |                       |              |    |               |              |                           |
| 5. Airbill #:  |              |        |                  |                       |              |    |               |              |                           |
| 6. Sample Labels: Present / <input checked="" type="checkbox"/> Absent   |              |        |                  |                       |              |    |               |              |                           |
| 7. Sample IDs: <input checked="" type="checkbox"/> Listed / <input type="checkbox"/> Not Listed on Chain-of-Custody  |              |        |                  |                       |              |    |               |              |                           |
| 8. Sample Condition: <input checked="" type="checkbox"/> Intact / <input type="checkbox"/> Broken* / <input type="checkbox"/> Leaking*   |              |        |                  |                       |              |    |               |              |                           |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*                       |              |        |                  |                       |              |    |               |              |                           |
| 10. Sample received within hold time? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*   |              |        |                  |                       |              |    |               |              |                           |
| 11. Adequate sample volume received? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*  |              |        |                  |                       |              |    |               |              |                           |
| 12. Proper Preservatives used? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*  |              |        |                  |                       |              |    |               |              |                           |
| 13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*  |              |        |                  |                       |              |    |               |              |                           |
| 14. Temp Rec. at Lab: <u>5.8°C</u><br>Is temp 4 +/- 2°C? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No**   |              |        |                  |                       |              |    |               |              |                           |
| <div style="font-size: 2em; opacity: 0.5; transform: rotate(-15deg); position: absolute; top: 50%; left: 50%;">                         SQA 4/15/05                     </div> |              |        |                  |                       |              |    |               |              |                           |

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (if any): METALS / DFF ON ICE or 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 2162**  
**15135 Hesperian Boulevard, San Leandro, California**

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOC) | Groundwater Elevation<br>(feet, MSL) | TPPH as Gasoline<br>(ppb) | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) | Xylenes<br>(ppb) | MTBE<br>8021B*<br>(ppb) | MTBE<br>8260<br>(ppb) | Dissolved<br>Oxygen<br>(ppm) | Purged/<br>Not Purged<br>(P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|---------------------------|------------------|------------------|----------------------------|------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| MW-1        | 02/26/96                | 31.19                         | 7.14                          | 24.05                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | NA                           |                                 |
| MW-1        | 05/23/96                | 31.19                         | 7.70                          | 23.49                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | NA                           |                                 |
| MW-1        | 08/21/96                | 31.19                         | 8.75                          | 22.44                                | 210                       | <0.5             | <0.5             | <0.5                       | <0.5             | <2.5                    | NA                    | NA                           |                                 |
| MW-1        | 11/20/96                | 31.19                         | 8.62                          | 22.57                                | 91                        | <0.5             | <0.5             | <0.5                       | <0.5             | 2.6                     | NA                    | NA                           |                                 |
| MW-1        | 04/01/97                | 31.19                         | 8.70                          | 22.49                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <2.5                    | NA                    | NA                           |                                 |
| MW-1        | 06/10/97                | 31.19                         | 8.45                          | 22.74                                | 94                        | <0.5             | <0.5             | <0.5                       | <0.5             | 6.4                     | NA                    | NA                           | NP                              |
| MW-1        | 09/17/97                | 31.19                         | 9.20                          | 21.99                                | <50                       | <0.5             | <0.5             | 0.68                       | 0.56             | 10                      | NA                    | NA                           | NP                              |
| MW-1        | 12/12/97                | 31.19                         | 8.00                          | 23.19                                | <200                      | <2               | <2               | <0.5                       | <0.5             | 180                     | NA                    | 1.0                          | NP                              |
| MW-1        | 03/25/98                | 31.19                         | 7.00                          | 24.19                                | <200                      | <2               | <2               | <2                         | <2               | 180                     | NA                    | 2.0                          | NP                              |
| MW-1        | 05/14/98                | 31.19                         | 7.46                          | 23.73                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 2.0                          |                                 |
| MW-1        | 07/31/98                | 31.19                         | 8.10                          | 23.09                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | 1.17                         | P                               |
| MW-1        | 10/12/98                | 31.19                         | 8.60                          | 22.59                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 2.0                          | NP                              |
| MW-1        | 02/11/99                | 31.19                         | 7.32                          | 23.87                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | 9                       | NA                    | 2.5                          | NP                              |
| MW-1        | 06/23/99                | 31.19                         | 8.40                          | 22.79                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | 25                      | NA                    | 1.0                          | P                               |
| MW-1        | 08/23/99                | 31.19                         | 8.85                          | 22.34                                | 55                        | <0.5             | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 1.36                         | NP                              |
| MW-1        | 10/27/99                | 31.19                         | 8.50                          | 22.69                                | <50                       | <0.5             | 0.6              | <0.5                       | <0.5             | 5                       | NA                    | 1.42                         | NP                              |
| MW-1        | 02/09/00                | 31.19                         | 8.11                          | 23.08                                | <50                       | <0.5             | <0.5             | <0.5                       | <1               | 90                      | NA                    | 0.83                         | NP                              |
|             |                         |                               |                               |                                      |                           |                  |                  |                            |                  | 9                       | NA                    | 0.77                         | NP                              |
| MW-2        | 02/26/96                | 30.38                         | 6.41                          | 23.97                                | 770                       | <0.5             | <0.5             | 45                         | 28               | NA                      | NA                    | NA                           |                                 |
| MW-2        | 05/23/96                | 30.38                         | 6.80                          | 23.58                                | 590                       | 0.50             | <0.5             | 35                         | 18               | NA                      | NA                    | NA                           |                                 |
| MW-2        | 08/21/96                | 30.38                         | 7.80                          | 22.58                                | 170                       | <0.5             | <0.5             | 21                         | 6.3              | <2.5                    | NA                    | NA                           |                                 |
| MW-2        | 11/20/96                | 30.38                         | 7.73                          | 22.65                                | 88                        | <0.5             | <0.5             | 7.9                        | 1.1              | <2.5                    | NA                    | NA                           |                                 |
| MW-2        | 04/01/97                | 30.38                         | 7.83                          | 22.55                                | 66                        | <0.5             | <0.5             | 3.6                        | 0.56             | 33                      | NA                    | NA                           |                                 |
| MW-2        | 06/10/97                | 30.38                         | 7.52                          | 22.86                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <2.5                    | NA                    | NA                           |                                 |
| MW-2        | 09/17/97                | 30.38                         | 8.24                          | 22.14                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3.0                    | NA                    | 0.6                          | NP                              |
| MW-2        | 12/12/97                | 30.38                         | 7.10                          | 23.28                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3.0                    | NA                    | 1.2                          | NP                              |
| MW-2        | 03/25/98                | 30.38                         | 6.27                          | 24.11                                | <50                       | <0.5             | <0.5             | 0.7                        | 0.5              | 55                      | NA                    | 1.0                          |                                 |
| MW-2        | 05/14/98                | 30.38                         | 6.54                          | 23.84                                | 210                       | <0.5             | <0.5             | 3.3                        | <0.5             | 42                      | NA                    | 1.47                         | P                               |
| MW-2        | 07/31/98                | 30.38                         | 7.14                          | 23.24                                | 230                       | <0.5             | <0.5             | 3.9                        | <0.5             | 6                       | NA                    | 1.0                          | P                               |

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

**ARCO Service Station 2162**  
**15135 Hesperian Boulevard, San Leandro, California**

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOC) | Groundwater Elevation<br>(feet, MSL) | TPPH as Gasoline<br>(ppb) | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) | Xylenes<br>(ppb) | MTBE<br>8021B*<br>(ppb) | MTBE<br>8260<br>(ppb) | Dissolved<br>Oxygen<br>(ppm) | Purged/<br>Not Purged<br>(P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|---------------------------|------------------|------------------|----------------------------|------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| MW-2        | 10/12/98                | 30.38                         | 7.65                          | 22.73                                | 110                       | <0.5             | <0.5             | 1.5                        | <0.5             | <3                      | NA                    | 1.0                          | P                               |
| MW-2        | 02/11/99                | 30.38                         | 6.55                          | 23.83                                | 660                       | <0.5             | <0.5             | 6.7                        | 0.7              | 3                       | NA                    | 1.0                          | P                               |
| MW-2        | 06/23/99                | 30.38                         | 7.48                          | 22.90                                | 270                       | <0.5             | <0.5             | 2.2                        | 0.8              | <3                      | NA                    | NM                           | P                               |
| MW-2        | 08/23/99                | 30.38                         | 7.89                          | 22.49                                | 200                       | <0.5             | 0.9              | 1.8                        | <0.5             | <3                      | NA                    | 1.17                         | P                               |
| MW-2        | 10/27/99                | 30.38                         | 8.30                          | 22.08                                | 2,100                     | 1.0              | 2.5              | 14                         | 3                | 3                       | NA                    | 0.75                         | NP                              |
| MW-2        | 02/09/00                | 30.38                         | 8.02                          | 22.36                                | <50                       | <0.5             | <0.5             | <0.5                       | <1               | 5                       | NA                    | 0.69                         | NP                              |
| MW-3        | 02/26/96                | 30.30                         | 6.72                          | 23.58                                | 120                       | 5.0              | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | NA                           |                                 |
| MW-3        | 05/23/96                | 30.30                         | 7.18                          | 23.12                                | 140                       | 12               | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | NA                           |                                 |
| MW-3        | 08/21/96                | 30.30                         | 8.17                          | 22.13                                | <50                       | 1.1              | <0.5             | <0.5                       | <0.5             | 130                     | NA                    | NA                           |                                 |
| MW-3        | 11/20/96                | 30.30                         | 8.03                          | 22.27                                | 55                        | <0.5             | <0.5             | <0.5                       | <0.5             | 59                      | NA                    | NA                           |                                 |
| MW-3        | 04/01/97                | 30.30                         | 8.09                          | 22.21                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | 180                     | NA                    | NA                           |                                 |
| MW-3        | 06/10/97                | 30.30                         | 7.97                          | 22.33                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | 1,900                   | NA                    | NA                           | NP                              |
| MW-3        | 09/17/97                | 30.30                         | 8.54                          | 21.76                                | <5,000                    | <50              | <50              | <50                        | <50              | 1,100                   | 860                   | 2.2                          | NP                              |
| MW-3        | 12/12/97                | 30.30                         | 7.50                          | 22.80                                | 560                       | <5.0             | <5.0             | <5.0                       | 5.0              | 370                     | NA                    | 1.4                          | NP                              |
| MW-3        | 03/25/98                | 30.30                         | 6.60                          | 23.70                                | <500                      | <5               | <5               | <5                         | <5               | 470                     | NA                    | 1.0                          | NP                              |
| MW-3        | 05/14/98                | 30.30                         | 7.13                          | 23.17                                | 750                       | <5               | <5               | <5                         | <5               | 630                     | NA                    | 1.97                         | P                               |
| MW-3        | 07/31/98                | 30.30                         | 7.58                          | 22.72                                | <500                      | <5               | <5               | <5                         | <5               | 590                     | NA                    | 1.0                          | P                               |
| MW-3        | 10/12/98                | 30.30                         | 8.00                          | 22.30                                | <500                      | <5               | <5               | <5                         | <5               | 600                     | NA                    | 2.0                          | P                               |
| MW-3        | 02/11/99                | 30.30                         | 6.90                          | 23.40                                | <500                      | <5               | <5               | <5                         | <5               | 280                     | NA                    | 1.0                          | P                               |
| MW-3        | 06/23/99                | 30.30                         | 7.82                          | 22.48                                | 220                       | <0.5             | 3.2              | <0.5                       | <0.5             | 740                     | NA                    | 1.98                         | P                               |
| MW-3        | 08/23/99                | 30.30                         | 8.28                          | 22.02                                | <50                       | <0.5             | 1.1              | <0.5                       | <0.5             | 230                     | NA                    | 1.20                         | P                               |
| MW-3        | 10/27/99                | 30.30                         | 9.27                          | 21.03                                | <50                       | <0.5             | <0.5             | <0.5                       | <1               | <3                      | NA                    | 0.81                         | NP                              |
| MW-3        | 02/09/00                | 30.30                         | 7.45                          | 22.85                                | <50                       | <0.5             | <0.5             | <0.5                       | <1               | 80                      | NA                    | 0.81                         | P                               |
| MW-4        | 02/26/96                | 30.39                         | 7.59                          | 22.80                                | 110                       | 9.9              | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | NA                           |                                 |
| MW-4        | 05/23/96                | 30.39                         | 8.22                          | 22.17                                | 69                        | 8.0              | <0.5             | <0.5                       | <0.5             | NA                      | NA                    | NA                           |                                 |
| MW-4        | 08/21/96                | 30.39                         | 9.28                          | 21.11                                | <50                       | 6.8              | <0.5             | <0.5                       | <0.5             | <2.5                    | NA                    | NA                           |                                 |
| MW-4        | 11/20/96                | 30.39                         | 9.12                          | 21.27                                | 95                        | 10               | 0.59             | <0.5                       | 0.52             | 3.8                     | NA                    | NA                           |                                 |



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

**ARCO Service Station 2162**  
**15135 Hesperian Boulevard, San Leandro, California**

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOC) | Groundwater Elevation<br>(feet, MSL) | TPPH as Gasoline<br>(ppb) | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) | Xylenes<br>(ppb) | MTBE<br>8021B*<br>(ppb) | MTBE<br>8260<br>(ppb) | Dissolved<br>Oxygen<br>(ppm) | Purged/<br>Not Purged<br>(P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|---------------------------|------------------|------------------|----------------------------|------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| MW-4        | 04/01/97                | 30.39                         | 8.45                          | 21.94                                | 73                        | 5.7              | <0.5             | <0.5                       | <0.5             | <2.5                    | NA                    | NA                           |                                 |
| MW-4        | 06/10/97                | 30.39                         | 9.00                          | 21.39                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <2.5                    | NA                    | NA                           |                                 |
| MW-4        | 09/17/97                | 30.39                         | 9.76                          | 20.63                                | <50                       | 3.2              | <0.5             | <0.5                       | <0.5             | 8.0                     | NA                    | 0.2                          | NP                              |
| MW-4        | 12/12/97                | 30.39                         | 8.45                          | 21.94                                | <50                       | 2.9              | <0.5             | <0.5                       | <0.5             | 14                      | NA                    | 1.0                          | NP                              |
| MW-4        | 03/25/98                | 30.39                         | 7.52                          | 22.87                                | 58                        | 2.8              | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 3.0                          | NP                              |
| MW-4        | 05/14/98                | 30.39                         | 8.03                          | 22.36                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 3.24                         | NP                              |
| MW-4        | 07/31/98                | 30.39                         | 8.67                          | 21.72                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 2.0                          | NP                              |
| MW-4        | 10/12/98                | 30.39                         | 9.15                          | 21.24                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | 4                       | NA                    | 1.5                          | NP                              |
| MW-4        | 02/11/99                | 30.39                         | 7.80                          | 22.59                                | 61                        | 2.5              | <0.5             | <0.5                       | <0.5             | 6                       | NA                    | 1.0                          | P                               |
| MW-4        | 06/23/99                | 30.39                         | 9.00                          | 21.39                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | <3                      | NA                    | 1.42                         | NP                              |
| MW-4        | 08/23/99                | 30.39                         | 9.31                          | 21.08                                | <50                       | <0.5             | <0.5             | <0.5                       | <0.5             | 6                       | NA                    | 1.53                         | NP                              |
| MW-4        | 10/27/99                | 30.39                         | 9.80                          | 20.59                                | <50                       | <0.5             | <0.5             | <0.5                       | <1               | 6                       | NA                    | 0.98                         | NP                              |
| MW-4        | 02/09/00                | 30.39                         | 8.63                          | 21.76                                | <50                       | <0.5             | <0.5             | <0.5                       | <1               | 7                       | NA                    | 0.74                         | NP                              |

TPPH = Total purgeable petroleum hydrocarbons by modified EPA method 8015  
 BTEX = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 10/27/99).  
 MTBE = Methyl tert-Butyl Ether  
 \* = EPA method 8020 prior to 10/27/99  
 MSL = Mean sea level  
 TOC = Top of casing  
 ppb = Parts per billion  
 ppm = Parts per million  
 NA = Not analyzed  
 NM = Not measured  
 < = Denotes concentration not present above laboratory detection limited stated to the right

**ATTACHMENT D**

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

## 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>      | 5/24/2005 10:07:55 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!

**Submittal Title:** 2Q 2005 QMR Geo\_Well Site  
2162

**Submittal Date/Time:** 5/24/2005 10:09:20 AM

**Confirmation  
Number:** 3556898355

[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](#)

Your EDF file has been successfully uploaded!

**Confirmation Number:** 9023531079  
**Date/Time of Submittal:** 5/9/2005 12:00:57 PM  
**Facility Global ID:** T0600100084  
**Facility Name:** ARCO # 02162  
**Submittal Title:** 2Q 2005 QMR EDF Site 2162  
**Submittal Type:** GW Monitoring Report

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

|  |   |
|--|---|
| <b>ARCO # 02162</b><br>15135 HESPERIAN BLVD<br>SAN LEANDRO, CA 94578 | <b>Regional Board - Case #: 01-0091</b><br>SAN FRANCISCO BAY RWQCB (REGION 2) - (RDB)<br><b>Local Agency (lead agency) - Case #: 1259</b><br>ALAMEDA COUNTY LOP - (RWS) |
|--|---|

| CONF #        | TITLE                     | QUARTER        |
|---------------|---------------------------|----------------|
| 9023531079    | 2Q 2005 QMR EDF Site 2162 | Q2 2005        |
| SUBMITTED BY  | SUBMIT DATE               | STATUS         |
| Srijesh Thapa | 5/9/2005                  | PENDING REVIEW |

**SAMPLE DETECTIONS REPORT**

|   |       |
|---|-------|
| # FIELD POINTS SAMPLED                                | 2     |
| # FIELD POINTS WITH DETECTIONS                        | 2     |
| # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL | 0     |
| 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 |

**WATER SAMPLES FOR 8021/8260 SERIES**

|   |   |
|---|---|
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | Y |
|---|---|

|   |   |
|---|---|
| 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 &gt; REPDL</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 EDF CHECK - NO ERRORS

|                           |                                |
|---------------------------|--------------------------------|
| <u>ORGANIZATION NAME:</u> | URS Corporation-Oakland Office |
| <u>USER NAME:</u>         | URSCORP-OAKLAND                |
| <u>DATE CHECKED:</u>      | 5/9/2005 11:58:08 AM           |
| <u>GLOBAL ID:</u>         | T0600100084                    |
| <u>FILE UPLOADED:</u>     | ARCO#2162-EDF-MOD0401.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.

|                       |  |
|-----------------------|--|
| <b>ARCO # 02162</b>   | <b>Regional Board - Case #: 01-0091</b>          |
| 15135 HESPERIAN BLVD  | SAN FRANCISCO BAY RWQCB (REGION 2) - (RDB)       |
| SAN LEANDRO, CA 94578 | <b>Local Agency (lead agency) - Case #: 1259</b> |
|                       | ALAMEDA COUNTY LOP - (RWS)                       |

#### SAMPLE DETECTIONS REPORT

|   |       |
|---|-------|
| # FIELD POINTS SAMPLED                                | 2     |
| # FIELD POINTS WITH DETECTIONS                        | 2     |
| # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL | 0     |
| 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                            |
| <b><u>WATER SAMPLES FOR 8021/8260 SERIES</u></b>                    |                  |                              |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% |                  | Y                            |
| 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                            |
| <b><u>SOIL SAMPLES FOR 8021/8260 SERIES</u></b>                     |                  |                              |
| 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                          |
| <b><u>FIELD QC SAMPLES</u></b>                                      |                  |                              |
| <u>SAMPLE</u>   | <u>COLLECTED</u> | <u>DETECTIONS &gt; REPDL</u> |
| QCTB SAMPLES  | N                | 0                            |
| QCEB SAMPLES  | N                | 0                            |
| QCAB SAMPLES  | N                | 0                            |

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.