



February 15, 2005

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-8577

Alameda County
FEB 23 2005
Environmental Health

RE: Electronic Report Submission

Dear Mr. Schultz:

The purpose of this letter is to inform you that on behalf of the Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) will issue all future quarterly monitoring reports (QMR) electronically to the State Water Resources Control Board's GEOTRACKER website (<http://www.geotracker.swrcb.ca.gov/>). You may access your report directly from this website. If you would prefer to have a PDF copy e-mailed to you or if you would like to continue receiving a paper copy, please contact Rick Murray at (510) 874-1755.

If you have any questions regarding this submission, please call me at (510) 874-3125.

Sincerely,

URS CORPORATION

Rachel Lindvall
QMR Coordinator

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



Atlantic Richfield Company
(a BP affiliated company)

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

February 10, 2005

**Re: First Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #2162
15135 Hesperian Boulevard
San Leandro, California
URS Project #38487179**

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

Submitted by:

Paul Supple
Environmental Business Manager



February 10, 2005

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

**Re: First Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #2162
15135 Hesperian Boulevard
San Leandro, California
URS Project #38487179**

Dear Mr. Schultz:

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

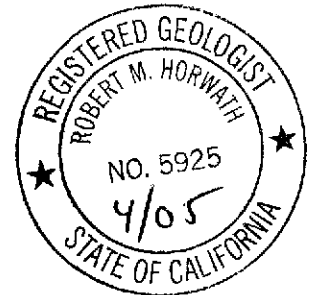
If you have any questions regarding this submission, please call me at (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

Robert Horwath, R.G.
Portfolio Manager



Enclosure: First 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, 835 East 14th St., San Leandro, CA 94577

REPORT

**FIRST QUARTER 2005
GROUNDWATER MONITORING
REPORT**

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

Prepared for
RM

February 10, 2005

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612

38487179

Date: February 10, 2005
Quarter: 1Q 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
Consultant Project No.: 38487179
Primary Agency: Alameda County Environmental Health (ACEH)

WORK PERFORMED THIS QUARTER (First – 2005):

1. Performed first quarter 2005 groundwater monitoring event on January 11, 2005.
2. Prepared and submitted this First Quarter 2005 Groundwater Monitoring Report.

WORK PROPOSED FOR NEXT QUARTER (Second – 2005):

1. Perform second quarter 2005 groundwater monitoring event.
2. Prepare and submit Second Quarter 2005 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: Natural Attenuation
Approximate Depth to Groundwater: 6.81 ft (MW-2) to 7.80 ft (MW-4) feet
Groundwater Gradient (direction): Southwest at UST complex; southeast at dispensers.
Groundwater Gradient (magnitude): 0.005 to 0.004 feet per foot

DISCUSSION:

Gasoline range organics (GRO) were detected at or above the laboratory reporting limit in one of the two wells sampled this quarter at a concentration of 59 µg/L (MW-4). Methyl tert-butyl ether (MTBE) was detected at or above the laboratory reporting limit in the two wells sampled this quarter at concentrations of 2.3 µg/L (MW-3) and 11 µg/L (MW-4). Benzene was detected at or above the laboratory reporting limit in one of the two wells sampled at a concentration of 2.0 µg/L (MW-4). No other analytes were detected at or above their respective laboratory reporting limits.

RECOMMENDATIONS:

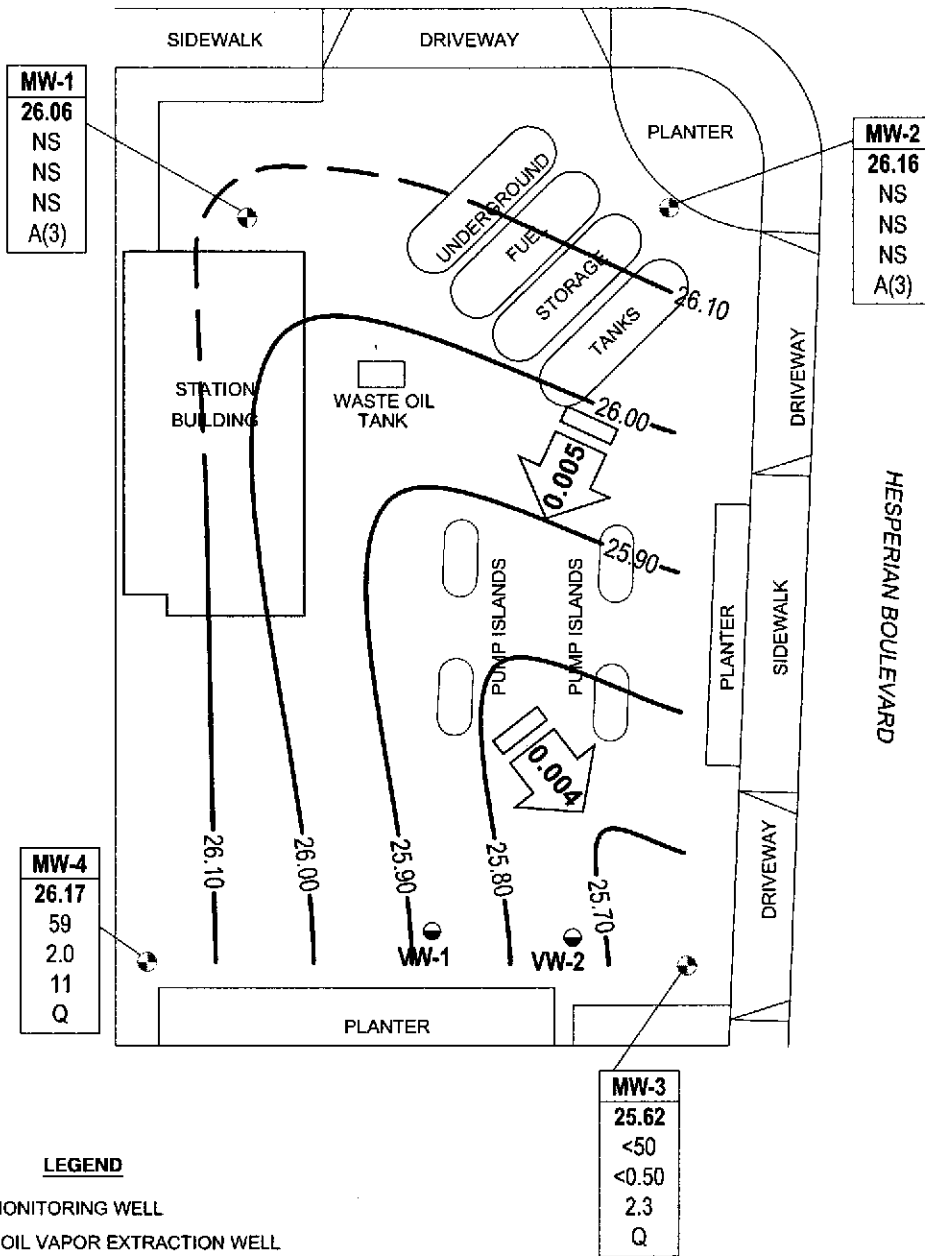
A Site Closure Request letter was submitted to ACEH on June 6, 2004.

Until Site Closure is granted, URS recommends reducing the sampling frequency of MW-3 and MW-4 from quarterly to annually due to the low detections of the constituents of concern. URS also recommends removing MW-1 and MW-2 from the sampling program due to the consistent lack of any analytes detected at or above the laboratory reporting limits.

ATTACHMENTS:

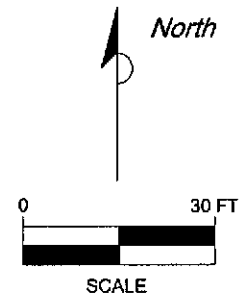
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – January 11, 2005
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additive Analytical Data
- Table 3 – Groundwater Flow Direction and Gradient
- Attachment A – Field Procedures and Field Data Sheets
- Attachment 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

RUTH COURT



LEGEND

- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 26.10 — WATER TABLE CONTOUR (FT ABOVE MSL)
- APPROXIMATE GROUNDWATER FLOW GRADIENT AND DIRECTION (FT/FT)
- Well**
- ELEV** — GROUNDWATER ELEVATION (FT ABOVE MSL)
- GRO — GRO, BENZENE AND MTBE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- MTBE
- AQ — 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.

Feb 14, 2005 - 3:54pm \\X:\env\waste\BP_GEM\Site\Scott_Robinson\Paul_Supple\2162\Monitoring\2005 Qtr. 1\Drawings\2162-1005-GV.dwg



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

GROUNDWATER ELEVATION CONTOUR
AND ANALYTICAL SUMMARY MAP
First Quarter 2005 (January 11, 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 | --- | --- |
| | 12/26/2001 | -- | | 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 | -- | -- | -- | -- | -- | -- | -- | -- |
| 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 |
| | 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 |

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 | 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 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 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 |
| 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 | -- | -- |
| | 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 | -- | -- |

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 | 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 |

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 |
| 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 |

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

| Date Sampled | Approximate Flow Direction | Approximate Hydraulic Gradient |
|---------------------|---------------------------------------|---------------------------------------|
| 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 |

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 # 050111-MW2 Date 1/11/05 Client 2/62

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 FOE | |
|---------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|-------------------------------------|----|
| MW-1 | 4 | | | | | 7.64 | 15.87 | ↓ | 9 |
| MW-2 | 4 | | | | | 6.81 | 15.98 | | 9 |
| MW-3 | 4 | | | | | 7.27 | 14.99 | | 10 |
| MW-4 | 4 | | | | | 7.80 | 17.70 | | 11 |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

ARCO / BP WELL MONITORING DATA SHEET

| | |
|-----------------------------------|--|
| BTS #: <u>050111-1102</u> | Station #: <u>2162</u> |
| Sampler: <u>M7</u> | Date: <u>1/10/05</u> |
| Well I.D.: <u>MW-3</u> | Well Diameter: 2 3 <u>4</u> 6 8 |
| Total Well Depth: <u>14.99</u> | Depth to Water: <u>7.27</u> |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>(PVC)</u> Grade | D.O. Meter (if req'd): <u>(YSI)</u> HACH |

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

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Positive Air Displacement Extraction Port
 Electric Submersible Other: _____
 Extraction Pump

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</u> | x | <u>3</u> | = | <u>15</u> | Gals. |
| I Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Conductivity (mS or μS) | Gals. Removed | Observations |
|-------------|-------------|------------|-------------------------|---------------|--------------|
| <u>1455</u> | <u>68.8</u> | <u>7.3</u> | <u>696</u> | <u>5</u> | <u>clear</u> |
| <u>1456</u> | <u>69.4</u> | <u>7.1</u> | <u>745</u> | <u>10</u> | <u>''</u> |
| <u>1457</u> | <u>70.0</u> | <u>7.2</u> | <u>663</u> | <u>15</u> | <u>clear</u> |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 15

Sampling Time: 1510 Sampling Date: 1/11/05

Sample I.D.: MW-3 Laboratory: Pace Sequoia Other _____

Analyzed for: GRO BTEX MTBE DRO Other: See Scope

| | | | | |
|--------------------|------------|------|-------------|------|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

ARCO / BP WELL MONITORING DATA SHEET

| | |
|-----------------------------------|--|
| BTS #: <u>050111-MD2</u> | Station # <u>2162</u> |
| Sampler: <u>MW-4 MD</u> | Date: <u>1/11/05</u> |
| Well I.D.: <u>MW-4</u> | Well Diameter: 2 3 <u>4</u> 6 8 <u> </u> |
| Total Well Depth: <u>17.70</u> | Depth to Water: <u>7.80</u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>(PVC)</u> Grade | D.O. Meter (if req'd): <u>(YSI)</u> HACH |

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

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Positive Air Displacement Extraction Port
 Electric Submersible Other:
 Extraction Pump

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>6.4</u> | x | <u>3</u> | = | <u>19.2</u> Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume |

| Time | Temp (°F) | pH | Conductivity (mS or μ S) | Gals. Removed | Observations |
|-------------|-------------|------------|------------------------------|---------------|--------------|
| <u>1440</u> | <u>67.7</u> | <u>7.2</u> | <u>949</u> | <u>6.5</u> | <u>clear</u> |
| <u>1441</u> | <u>69.1</u> | <u>7.1</u> | <u>957</u> | <u>13</u> | <u> </u> |
| <u>1442</u> | <u>69.3</u> | <u>7.1</u> | <u>955</u> | <u>19.5</u> | <u>clear</u> |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 19.5

Sampling Time: 1450 Sampling Date: 1/11/05

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) Other

Analyzed for: GRO BTEX MTBE DRO Other: See Scope

| | | | | |
|--------------------|------------|------|-------------|-----------------|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | <u>0.9</u> mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

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.



25 January, 2005

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

RE: ARCO #2162, San Leandro, CA
Work Order: MOA0315

Enclosed are the results of analyses for samples received by the laboratory on 01/11/05 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210



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

Project: ARCO #2162, San Leandro, CA
Project Number: G09JZ-0185
Project Manager: Scott Robinson

MOA0315
Reported:
01/25/05 17:53

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------------|---------------|--------|----------------|----------------|
| MW-3 | MOA0315-01 | Water | 01/11/05 15:10 | 01/11/05 17:45 |
| MW-4 | MOA0315-02 | Water | 01/11/05 14:50 | 01/11/05 17:45 |
| TB-2162-011122004 | MOA0315-03 | Water | 01/11/05 00:00 | 01/11/05 17:45 |

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

These samples were received with intact custody seals.



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

Project: ARCO #2162, San Leandro, CA
Project Number: G09JZ-0185
Project Manager: Scott Robinson

MOA0315
Reported:
01/25/05 17:53

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| MW-3 (MOA0315-01) Water Sampled: 01/11/05 15:10 Received: 01/11/05 17:45 | | | | | | | | | |
| tert-Amyl methyl ether | ND | 0.50 | ug/l | 1 | 5A17003 | 01/17/05 | 01/17/05 | 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 | " | " | " | " | " | " | IC |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 2.3 | 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> | | 95 % | 60-135 | " | " | " | " | " | |
| MW-4 (MOA0315-02) Water Sampled: 01/11/05 14:50 Received: 01/11/05 17:45 | | | | | | | | | |
| tert-Amyl methyl ether | ND | 0.50 | ug/l | 1 | 5A17003 | 01/17/05 | 01/17/05 | EPA 8260B | |
| Benzene | 2.0 | 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 | " | " | " | " | " | " | IC |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 11 | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Gasoline Range Organics (C4-C12) | 59 | 50 | " | " | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 97 % | 60-135 | " | " | " | " | " | |



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

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

Project: ARCO #2162, San Leandro, CA
 Project Number: G09JZ-0185
 Project Manager: Scott Robinson

MOA0315
 Reported:
 01/25/05 17:53

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 5A17003 - EPA 5030B P/T / EPA 8260B

| Blank (5A17003-BLK1) | | | | | | | | | | |
|---|-------------|------|----------|-------------|--|-----------|---------------|--|--|-------------------------------|
| | | | | | | | | | | Prepared & Analyzed: 01/17/05 |
| tert-Amyl methyl ether | ND | 0.50 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | " | | | | | | | |
| tert-Butyl alcohol | ND | 5.0 | " | | | | | | | |
| Di-isopropyl ether | ND | 0.50 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | " | | | | | | | |
| Ethanol | ND | 100 | " | | | | | | | IC |
| 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> | <i>4.61</i> | | <i>"</i> | <i>5.00</i> | | <i>92</i> | <i>60-135</i> | | | |

| Laboratory Control Sample (5A17003-BS1) | | | | | | | | | | |
|--|-------------|------|----------|-------------|--|-----------|---------------|--|--|-------------------------------|
| | | | | | | | | | | Prepared & Analyzed: 01/17/05 |
| tert-Amyl methyl ether | 10.0 | 0.50 | ug/l | 10.0 | | 100 | 80-115 | | | |
| Benzene | 9.89 | 0.50 | " | 10.0 | | 99 | 65-115 | | | |
| tert-Butyl alcohol | 51.6 | 5.0 | " | 50.0 | | 103 | 75-150 | | | |
| Di-isopropyl ether | 9.30 | 0.50 | " | 10.0 | | 93 | 75-125 | | | |
| 1,2-Dibromoethane (EDB) | 10.9 | 0.50 | " | 10.0 | | 109 | 85-120 | | | |
| 1,2-Dichloroethane | 10.1 | 0.50 | " | 10.0 | | 101 | 85-130 | | | |
| Ethanol | 157 | 100 | " | 200 | | 78 | 70-135 | | | IC |
| Ethyl tert-butyl ether | 9.42 | 0.50 | " | 10.0 | | 94 | 75-130 | | | |
| Ethylbenzene | 10.2 | 0.50 | " | 10.0 | | 102 | 75-135 | | | |
| Methyl tert-butyl ether | 9.95 | 0.50 | " | 10.0 | | 100 | 65-125 | | | |
| Toluene | 10.6 | 0.50 | " | 10.0 | | 106 | 85-120 | | | |
| Xylenes (total) | 29.9 | 0.50 | " | 30.0 | | 100 | 85-125 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.61</i> | | <i>"</i> | <i>5.00</i> | | <i>92</i> | <i>60-135</i> | | | |

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

 Project: ARCO #2162, San Leandro, CA
 Project Number: G09JZ-0185
 Project Manager: Scott Robinson

 MOA0315
 Reported:
 01/25/05 17:53

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 5A17003 - EPA 5030B P/T / EPA 8260B
Laboratory Control Sample (5A17003-BS2)

Prepared & Analyzed: 01/17/05

| | | | | | | | | | | |
|---|-------------|------|----------|-------------|--|-----------|---------------|--|--|--|
| Benzene | 5.43 | 0.50 | ug/l | 6.08 | | 89 | 65-115 | | | |
| Ethylbenzene | 8.11 | 0.50 | " | 7.84 | | 103 | 75-135 | | | |
| Methyl tert-butyl ether | 8.94 | 0.50 | " | 9.60 | | 93 | 65-125 | | | |
| Toluene | 35.6 | 0.50 | " | 32.9 | | 108 | 85-120 | | | |
| Xylenes (total) | 39.5 | 0.50 | " | 38.5 | | 103 | 85-125 | | | |
| Gasoline Range Organics (C4-C12) | 404 | 50 | " | 440 | | 92 | 70-124 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.68</i> | | <i>"</i> | <i>5.00</i> | | <i>94</i> | <i>60-135</i> | | | |

Laboratory Control Sample Dup (5A17003-BS1)

Prepared & Analyzed: 01/17/05

| | | | | | | | | | | |
|---|-------------|------|----------|-------------|--|-----------|---------------|-----|----|--|
| tert-Amyl methyl ether | 10.4 | 0.50 | ug/l | 10.0 | | 104 | 80-115 | 4 | 15 | |
| Benzene | 9.45 | 0.50 | " | 10.0 | | 94 | 65-115 | 5 | 20 | |
| tert-Butyl alcohol | 49.8 | 5.0 | " | 50.0 | | 100 | 75-150 | 4 | 25 | |
| Di-isopropyl ether | 9.01 | 0.50 | " | 10.0 | | 90 | 75-125 | 3 | 15 | |
| 1,2-Dibromoethane (EDB) | 11.4 | 0.50 | " | 10.0 | | 114 | 85-120 | 4 | 15 | |
| 1,2-Dichloroethane | 10.5 | 0.50 | " | 10.0 | | 105 | 85-130 | 4 | 20 | |
| Ethanol | 144 | 100 | " | 200 | | 72 | 70-135 | 9 | 35 | |
| Ethyl tert-butyl ether | 9.44 | 0.50 | " | 10.0 | | 94 | 75-130 | 0.2 | 25 | |
| Ethylbenzene | 9.78 | 0.50 | " | 10.0 | | 98 | 75-135 | 4 | 15 | |
| Methyl tert-butyl ether | 10.4 | 0.50 | " | 10.0 | | 104 | 65-125 | 4 | 20 | |
| Toluene | 9.96 | 0.50 | " | 10.0 | | 100 | 85-120 | 6 | 20 | |
| Xylenes (total) | 29.0 | 0.50 | " | 30.0 | | 97 | 85-125 | 3 | 20 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.79</i> | | <i>"</i> | <i>5.00</i> | | <i>96</i> | <i>60-135</i> | | | |

Matrix Spike (5A17003-MS1)

Source: MOA0314-02

Prepared & Analyzed: 01/17/05

| | | | | | | | | | | |
|---|-------------|-------|----------|-------------|-------|-----------|---------------|--|--|--|
| Benzene | 2840 | 250 | ug/l | 3040 | ND | 93 | 65-115 | | | |
| Ethylbenzene | 3960 | 250 | " | 3920 | ND | 101 | 75-135 | | | |
| Methyl tert-butyl ether | 12200 | 250 | " | 4800 | 7100 | 106 | 65-125 | | | |
| Toluene | 17900 | 250 | " | 16400 | ND | 109 | 85-120 | | | |
| Xylenes (total) | 19600 | 250 | " | 19200 | ND | 102 | 85-125 | | | |
| Gasoline Range Organics (C4-C12) | 207000 | 25000 | " | 220000 | 16000 | 87 | 70-124 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.90</i> | | <i>"</i> | <i>5.00</i> | | <i>98</i> | <i>60-135</i> | | | |



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

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

Project: ARCO #2162, San Leandro, CA
 Project Number: G09JZ-0185
 Project Manager: Scott Robinson

MOA0315
 Reported:
 01/25/05 17:53

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 5A17003 - EPA 5030B P/T / EPA 8260B | | | | | | | | | | |
| Matrix Spike Dup (5A17003-MSD1) | Source: MOA0314-02 | | | Prepared & Analyzed: 01/17/05 | | | | | | |
| Benzene | 2760 | 250 | ug/l | 3040 | ND | 91 | 65-115 | 3 | 20 | |
| Ethylbenzene | 3970 | 250 | " | 3920 | ND | 101 | 75-135 | 0.3 | 15 | |
| Methyl tert-butyl ether | 11500 | 250 | " | 4800 | 7100 | 92 | 65-125 | 6 | 20 | |
| Toluene | 18000 | 250 | " | 16400 | ND | 110 | 85-120 | 0.6 | 20 | |
| Xylenes (total) | 19900 | 250 | " | 19200 | ND | 104 | 85-125 | 2 | 20 | |
| Gasoline Range Organics (C4-C12) | 202000 | 25000 | " | 220000 | 16000 | 85 | 70-124 | 2 | 20 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>4.36</i> | | <i>"</i> | <i>5.00</i> | | <i>87</i> | <i>60-135</i> | | | |



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

Project: ARCO #2162, San Leandro, CA
Project Number: G09JZ-0185
Project Manager: Scott Robinson

MOA0315
Reported:
01/25/05 17:53

Notes and Definitions

IC Calib. verif. is within method limits but outside contract limits
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOC) | Groundwater Elevation (feet, MSL) | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (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 | 0.68 | 0.56 | 6.4 | NA | NA | NP |
| MW-1 | 09/17/97 | 31.19 | 9.20 | 21.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 10 | NA | 1.0 | NP |
| MW-1 | 12/12/97 | 31.19 | 8.00 | 23.19 | <200 | <2 | <2 | <2 | <2 | 180 | NA | 2.0 | NP |
| MW-1 | 03/25/98 | 31.19 | 7.00 | 24.19 | <200 | <2 | <2 | 3 | <2 | 180 | NA | 2.0 | |
| MW-1 | 05/14/98 | 31.19 | 7.46 | 23.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.17 | P |
| MW-1 | 07/31/98 | 31.19 | 8.10 | 23.09 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 2.0 | NP |
| MW-1 | 10/12/98 | 31.19 | 8.60 | 22.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 9 | NA | 2.5 | NP |
| MW-1 | 02/11/99 | 31.19 | 7.32 | 23.87 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 25 | NA | 1.0 | P |
| MW-1 | 06/23/99 | 31.19 | 8.40 | 22.79 | 55 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | NA | 1.36 | NP |
| MW-1 | 08/23/99 | 31.19 | 8.85 | 22.34 | <50 | <0.5 | 0.6 | <0.5 | <0.5 | 5 | NA | 1.42 | NP |
| MW-1 | 10/27/99 | 31.19 | 8.50 | 22.69 | <50 | <0.5 | <0.5 | <0.5 | <1 | 90 | NA | 0.83 | NP |
| MW-1 | 02/09/00 | 31.19 | 8.11 | 23.08 | <50 | <0.5 | <0.5 | <0.5 | <1 | 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/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOC) | Groundwater Elevation (feet, MSL) | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (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 | NP |
| 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 | |

OAKC:\ARCO\2162\QTRLY\2162 Historical.XLS\wh:1

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/ Sampled | Well Elevation (feet, MSL) | Depth to Water (feet, TOC) | Groundwater Elevation (feet, MSL) | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl- benzene (ppb) | Xylenes (ppb) | MTBE 8021B* (ppb) | MTBE 8260 (ppb) | Dissolved Oxygen (ppm) | Purged/ Not Purged (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 | <0.5 | 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**

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| <u>USER NAME:</u> | URSCORP-OAKLAND |
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| <u>USER NAME:</u> | URSCORP-OAKLAND |
| <u>DATE CHECKED:</u> | 2/2/2005 11:37:55 AM |
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| | |
|----------------------|---|
| ARCO # 02162 | <u>Regional Board - Case #: 01-0091</u> |
| 15135 HESPERIAN BLVD | SAN FRANCISCO BAY RWQCB (REGION |
| SAN | 2) - (RDB) |
| LEANDRO, CA 94578 | <u>Local Agency (lead agency) - Case #: 1259</u> |
| | 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 |

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

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Date/Time of Submittal: 2/2/2005 11:39:06 AM
Facility Global ID: T0600100084
Facility Name: ARCO # 02162
Submittal Title: 1Q05 GW Monitoring Report
Submittal Type: GW Monitoring Report

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

| | | |
|---------------------|---------------------------|----------------|
| CONF # | TITLE | QUARTER |
| 2950812995 | 1Q05 GW Monitoring Report | Q1 2005 |
| SUBMITTED BY | SUBMIT DATE | STATUS |
| Srijesh Thapa | 2/2/2005 | 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 > REPD</u> |
|---------------|------------------|-----------------------------|
| QCTB SAMPLES | N | 0 |
| QCEB SAMPLES | N | 0 |
| QCAB SAMPLES | N | 0 |

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.