



Atlantic Richfield Company  
(a BP affiliated company)

P.O. Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3801  
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7 July 2009

Re: Second Quarter 2009 Ground-Water Monitoring Report  
Atlantic Richfield Company Station #4931  
731 West MacArthur Boulevard  
Oakland, California  
ACEH Case # RO000076

“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 Manger

**RECEIVED**

9:39 am, Jul 08, 2009

Alameda County  
Environmental Health



**Second Quarter 2009 Ground-Water Monitoring Report**  
Atlantic Richfield Company Station #4931  
731 West MacArthur Boulevard  
Oakland, California

Prepared for

Mr. Paul Supple  
Environmental Business Manager  
Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, California 94583

Prepared by



1324 Mangrove Avenue, Suite 212  
Chico, California 95926  
(530) 566-1400  
*www.broadbentinc.com*

7 July 2009

Project No. 06-88-624

7 July 2009

Project No. 06-88-624

Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, CA 94583  
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Second Quarter 2009 Ground-Water Monitoring Report, Atlantic Richfield Company  
(a BP affiliated company) Station #4931, 731 West MacArthur Boulevard, Oakland,  
Alameda County, California; ACEH Case #RO0000076

Dear Mr. Supple:

Attached is the *Second Quarter 2009 Ground-Water Monitoring Report* for Atlantic Richfield Company Station #4931 located at 731 West MacArthur Boulevard, Oakland, Alameda County, California (Site). This report presents results of ground-water monitoring conducted at the Site during the First Quarter of 2009.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

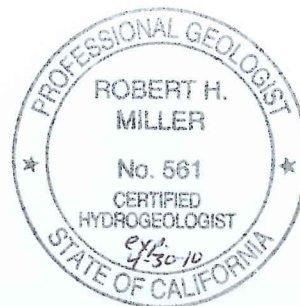
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.  
Senior Engineer



Rob Miller, P.G., C.HG.  
Principal Hydrogeologist



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)  
Mr. Nick Goyal, Owner, electronic copy e-mailed (nick@vintnersdist.com)  
Electronic copy uploaded to GeoTracker

## STATION # 4931 QUARTERLY GROUND-WATER MONITORING REPORT

|                                     |          |  |
|-------------------------------------|----------|--|
| Facility: #4931                     | Address: | 731 West MacArthur Boulevard, Oakland, California                          |
| Environmental Business Manager:     |          | Mr. Paul Supple  |
| Consulting Co./Contact Persons:     |          | Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus<br>(530) 566-1400 |
| Consultant Project No.:             |          | 06-08-624  |
| Primary Agency/Regulatory ID No.:   |          | Alameda County Environmental Health (ACEH)<br>ACEH Case #RO000076          |
| Facility Permits/Permitting Agency: |          | NA   |

### WORK PERFORMED THIS QUARTER (Second Quarter 2009):

1. Prepared and submitted *First Quarter 2009 Ground-Water Monitoring Report* (BAI, 4/30/2009).
2. Conducted ground-water monitoring/sampling for Second Quarter 2009. Work performed on 7 May 2009 by Stratus Environmental, Inc. (Stratus).

### WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2009):

1. Prepared and submitted this *Second Quarter 2009 Ground-Water Monitoring Report* (contained herein).
2. Prepared and submitted *Work Plan for Onsite Soil & Ground-Water Investigation* (BAI, 7/14/2009).
3. Negotiate semi-annual ground-water monitoring consistent with the State Water Resources Control Board's Resolution No.2009-0042, adopted 19 May 2009, and as suggested in the ACEH letter from Mr. Paresh Khatri dated 15 May 2009.
4. Conduct ground-water monitoring/sampling for Third Quarter 2009, as appropriate.

### QUARTERLY RESULTS SUMMARY:

|                                       |   |
|---------------------------------------|---|
| Current phase of project:             | <b>Ground-Water Monitoring/Sampling</b>   |
| Frequency of ground-water monitoring: | <b>Quarterly: A-2, A-3, A-4, A-5, A-7, A-8, A-9, A-10, A-11, A-12, A-13, AR-1, AR-2, AR-3</b>   |
| Frequency of ground-water sampling:   | <b>Quarterly: Wells A-4, A-8<br/>Semi Annually (1Q and 3Q): Wells A-3, A-5<br/>Annually (3Q): Wells A-2, A-7, A-9, A-10, A-11, A-12</b> |
| Is free product (FP) present on-site: | <b>No</b>   |
| FP recovered this quarter:            | <b>0</b>  |
| Cumulative FP recovered:              | <b>0</b>  |
| Current remediation techniques:       | <b>NA</b>   |
| Depth to ground water (below TOC):    | <b>2.90 ft (AR-2) to 8.23 ft (A-10)</b>   |
| General ground-water flow direction:  | <b>West</b>   |
| Approximate hydraulic gradient:       | <b>0.03 ft/ft</b>   |

### DISCUSSION:

Second Quarter 2009 ground-water monitoring and sampling was conducted at Station #4931 on 7 May 2009 by Stratus. Water levels were gauged in each of the 14 wells at the Site. No irregularities were noted during water level gauging. Depth-to-water measurements ranged from 2.90 ft at well AR-2 to 8.23 ft at well A-10. Resulting ground-water surface elevations ranged from 56.28 ft above datum in

well AR-2 to 49.26 ft in down-gradient well A-12. Water level elevations were between historic minimum and maximum ranges for each well gauged, with the exception of a recorded historic minimum in well A-10 as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient to the west at approximately 0.03 ft/ft, generally consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground water and respective ground-water elevations are summarized in Table 1. Potentiometric ground-water elevation contours are presented in Drawing 1.

Consistent with the sampling schedule, ground-water samples were collected from wells A-4, and A-8 on 7 May 2009. No irregularities were reported during sampling. Samples were submitted under chain-of-custody protocol to Calscience Environmental Laboratories, Inc. (Garden Grove, California), for analysis of Gasoline Range Organics (GRO, C6-C12) by EPA Method 8015B; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and Tert-Amyl Methyl Ether (TAME), Tert-Butyl Alcohol (TBA), Di-Isopropyl Ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl Tert-Butyl Ether (ETBE), and Methyl Tert-Butyl Ether (MTBE) by EPA Method 8260B. No significant irregularities were noted during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline Range Organics (GRO) were detected above the laboratory reporting limit in one of the two samples collected at concentrations of 270 micrograms per liter ( $\mu\text{g/L}$ ) in well A-8. Benzene was detected above the laboratory reporting limit in one of the two wells sampled at concentrations of 65  $\mu\text{g/L}$  in well A-8. TAME was detected above the laboratory reporting limit in both wells at concentrations of 2.0  $\mu\text{g/L}$  in wells A-4 and 3.3  $\mu\text{g/L}$  in well A-8. TBA was detected above the laboratory reporting limit in both wells at concentrations of 11  $\mu\text{g/L}$  in well A-4 and 20  $\mu\text{g/L}$  in well A-8. MTBE was detected above the laboratory reporting limit in both wells sampled at concentrations of 9.9  $\mu\text{g/L}$  in well A-4, and 12  $\mu\text{g/L}$  in well A-8. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the four wells sampled this quarter.

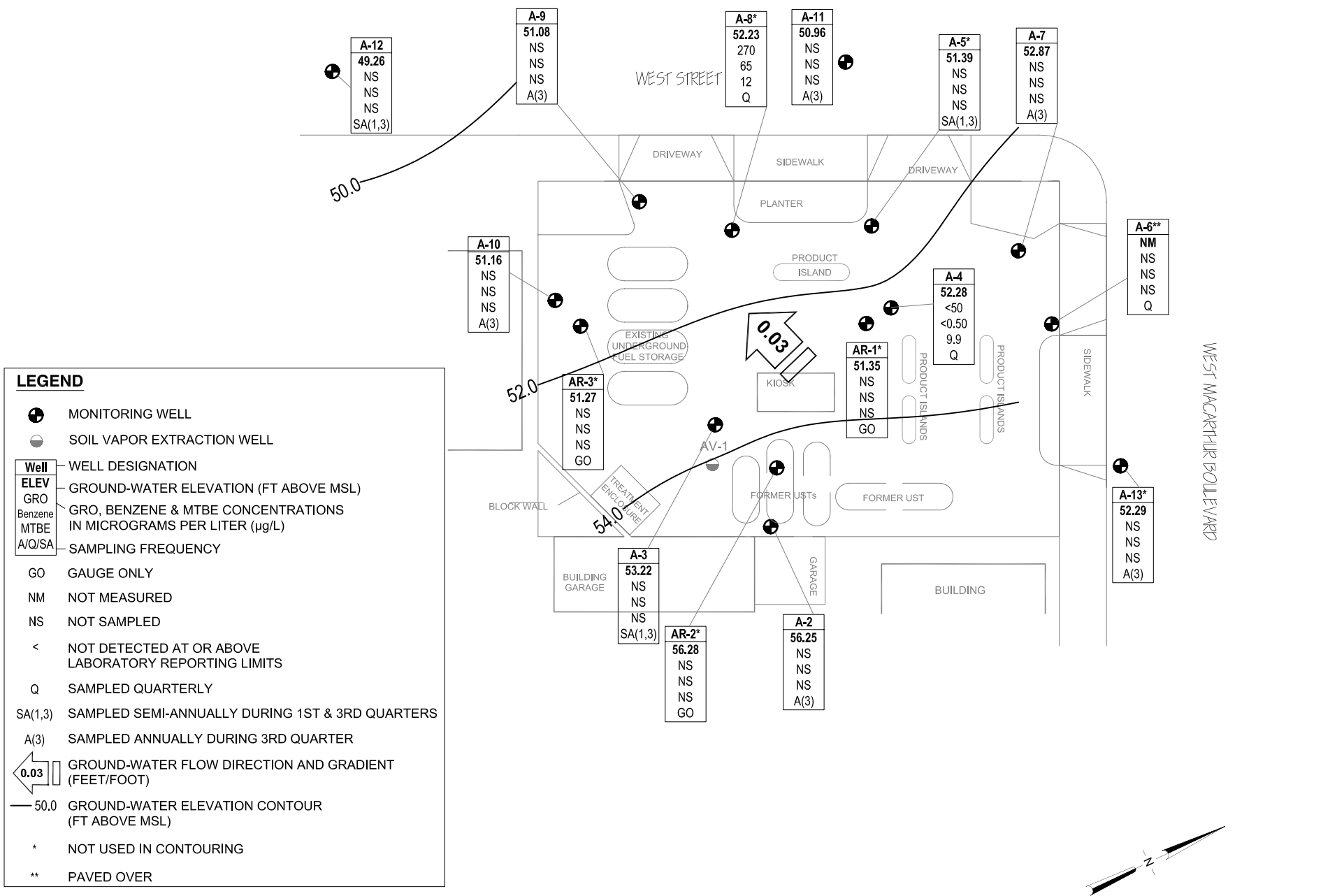
Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the following exceptions: MTBE (9.9  $\mu\text{g/L}$ ), TBA (11  $\mu\text{g/L}$ ) and TAME (2.0  $\mu\text{g/L}$ ) reached historic minimum concentrations in well A-4 and MTBE (12  $\mu\text{g/L}$ ) reached historic minimum concentrations in well A-8. Historic laboratory analytical results are summarized in Table 1, Table 2, and Appendix B (Beginning in Third Quarter 2009, historic water elevation and analytical data back to 1986 should be summarized on Table 1). The Second Quarter 2009 GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. A copy of the laboratory analytical report, including chain-of-custody documentation is provided in Appendix A. Ground-water monitoring data (GEO\_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix C.

## **CLOSURE:**

The findings presented in this report are based upon: observations of Stratus field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Calscience Environmental Laboratories, Inc. (Garden Grove, California). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

**ATTACHMENTS:**

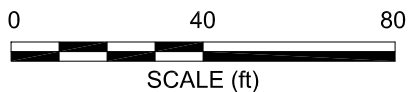
- Drawing 1. Ground-Water Elevation Contour and Analytical Summary Map, 7 May 2009, Station #4931, 731 West MacArthur Boulevard, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #4931, 731 West MacArthur Blvd., Oakland, California
- Table 2. Summary of Fuel Additives Analytical Data, Station #4931, 731 West MacArthur Blvd., Oakland, California
- Table 3. Historical Ground-Water Flow Direction and Gradient Data, Station #4931, 731 West MacArthur Blvd., Oakland, California
- Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets, Laboratory Analytical Report with Chain-of-Custody Documentation, and Field Procedures).
- Appendix B. Historical Ground-Water Data
- Appendix C. GeoTracker Upload Confirmation



**LEGEND**

- ⊕ MONITORING WELL
  - ⊖ SOIL VAPOR EXTRACTION WELL
- | Well    | WELL DESIGNATION  |
|---------|---|
| ELEV    | GROUND-WATER ELEVATION (FT ABOVE MSL)                             |
| GRO     | GRO, BENZENE & MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) |
| Benzene |   |
| MTBE    |   |
| A/Q/SA  | SAMPLING FREQUENCY  |
- GO GAUGE ONLY
  - NM NOT MEASURED
  - NS NOT SAMPLED
  - < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
  - Q SAMPLED QUARTERLY
  - SA(1,3) SAMPLED SEMI-ANNUALLY DURING 1ST & 3RD QUARTERS
  - A(3) SAMPLED ANNUALLY DURING 3RD QUARTER
  - ← 0.03 GROUND-WATER FLOW DIRECTION AND GRADIENT (FEET/FOOT)
  - 50.0 GROUND-WATER ELEVATION CONTOUR (FT ABOVE MSL)
  - \* NOT USED IN CONTOURING
  - \*\* PAVED OVER

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



**BROADBENT & ASSOCIATES, INC.**  
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL  
1324 Mangrove Ave. Suite 212, Chico, California 95926  
Project No.: 06-88-624 Date: 6/24/09

Station #4931  
731 West MacArthur Boulevard  
Oakland, California

Ground-Water Elevation Contour  
and Analytical Summary Map  
7 May 2009

Drawing

1

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments | TOC (feet) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |       | DO (mg/L) | pH   |
|----------------------|------|----------|------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|-------|-----------|------|
|                      |      |          |            |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE  |           |      |
| <b>A-2</b>           |      |          |            |                        |                           |                |                              |                          |         |         |               |               |       |           |      |
| 6/21/2000            | --   |          | 55.48      | 5.00                   | 20.00                     | 6.85           | 48.63                        | <50                      | <0.5    | <0.5    | <0.5          | <1.0          | <3.0  | --        | --   |
| 9/20/2000            | --   |          | 55.48      | 5.00                   | 20.00                     | 10.45          | 45.03                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 12/26/2000           | --   |          | 55.48      | 5.00                   | 20.00                     | 6.27           | 49.21                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 3/20/2001            | --   |          | 55.48      | 5.00                   | 20.00                     | 4.57           | 50.91                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 6/12/2001            | --   |          | 55.48      | 5.00                   | 20.00                     | 9.27           | 46.21                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 9/23/2001            | --   |          | 55.48      | 5.00                   | 20.00                     | 10.75          | 44.73                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 12/31/2001           | --   |          | 55.48      | 5.00                   | 20.00                     | 4.13           | 51.35                        | <50                      | <0.5    | <0.5    | 1             | 3.2           | <2.5  | --        | --   |
| 3/21/2002            | --   |          | 55.48      | 5.00                   | 20.00                     | 3.26           | 52.22                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 4/17/2002            | --   |          | 55.48      | 5.00                   | 20.00                     | 3.72           | 51.76                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | 3.1   | --        | --   |
| 8/12/2002            | NP   |          | 55.48      | 5.00                   | 20.00                     | 9.95           | 45.53                        | <10                      | <0.10   | <0.10   | <0.10         | <0.10         | <0.50 | 3.1       | 7.7  |
| 12/6/2002            | NP   |          | 55.48      | 5.00                   | 20.00                     | 10.01          | 45.47                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 6     | 3.1       | 6.1  |
| 1/30/2003            | NP   |          | 55.48      | 5.00                   | 20.00                     | 5.08           | 50.40                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 2.6       | 6.7  |
| 5/28/2003            | --   |          | 55.48      | 5.00                   | 20.00                     | 4.82           | 50.66                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 1.1   | 5.7       | 6.8  |
| 8/6/2003             | --   |          | 55.48      | 5.00                   | 20.00                     | 9.73           | 45.75                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 2.3       | 7.7  |
| 11/14/2003           | --   |          | 55.48      | 5.00                   | 20.00                     | 9.36           | 46.12                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 02/02/2004           | --   | g        | 60.65      | 5.00                   | 20.00                     | 4.45           | 56.20                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 05/04/2004           | --   |          | 60.65      | 5.00                   | 20.00                     | 6.79           | 53.86                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 09/02/2004           | NP   |          | 60.65      | 5.00                   | 20.00                     | 10.51          | 50.14                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 3.1       | --   |
| 11/10/2004           | --   |          | 60.65      | 5.00                   | 20.00                     | 6.10           | 54.55                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 02/02/2005           | --   |          | 60.65      | 5.00                   | 20.00                     | 4.00           | 56.65                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 05/09/2005           | --   |          | 60.65      | 5.00                   | 20.00                     | 4.35           | 56.30                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 08/11/2005           | NP   | h        | 60.65      | 5.00                   | 20.00                     | 9.08           | 51.57                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 3.2       | 6.9  |
| 11/18/2005           | --   |          | 60.65      | 5.00                   | 20.00                     | 8.53           | 52.12                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 02/15/2006           | --   |          | 60.65      | 5.00                   | 20.00                     | 3.89           | 56.76                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 5/30/2006            | --   |          | 60.65      | 5.00                   | 20.00                     | 4.45           | 56.20                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 8/11/2006            | NP   |          | 60.65      | 5.00                   | 20.00                     | 9.03           | 51.62                        | 160                      | <0.50   | <0.50   | <0.50         | <0.50         | 3.6   | 0.16      | 5.9  |
| 11/1/2006            | --   |          | 60.65      | 5.00                   | 20.00                     | 9.98           | 50.67                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 2/7/2007             | --   |          | 60.65      | 5.00                   | 20.00                     | 7.51           | 53.14                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 5/9/2007             | --   |          | 60.65      | 5.00                   | 20.00                     | 4.57           | 56.08                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 8/7/2007             | NP   |          | 60.65      | 5.00                   | 20.00                     | 9.67           | 50.98                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 3.4   | 2.18      | 7.17 |
| 11/14/2007           | --   |          | 60.65      | 5.00                   | 20.00                     | 7.84           | 52.81                        | --                       | --      | --      | --            | --            | --    | --        | --   |



**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-2 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 2/28/2008            | --        |          | 60.65        | 5.00                   | 20.00                     | 3.30           | 57.35                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        |          | 60.65        | 5.00                   | 20.00                     | 8.80           | 51.85                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 60.65        | 5.00                   | 20.00                     | 10.20          | 50.45                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 19        | 0.87      | 9.29      |
| 11/19/2008           | --        |          | 60.65        | 5.00                   | 20.00                     | 9.20           | 51.45                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 60.65        | 5.00                   | 20.00                     | 7.83           | 52.82                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>60.65</b> | <b>5.00</b>            | <b>20.00</b>              | <b>4.40</b>    | <b>56.25</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-3</b>           |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 54.66        | 5.00                   | 20.00                     | 9.48           | 45.18                        | <50                      | <0.5      | <0.5      | <0.5          | <1.0          | 46        | --        | --        |
| 9/20/2000            | --        |          | 54.66        | 5.00                   | 20.00                     | 10.24          | 44.42                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 89.6      | --        | --        |
| 12/26/2000           | --        |          | 54.66        | 5.00                   | 20.00                     | 9.58           | 45.08                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 7.11      | --        | --        |
| 3/20/2001            | --        |          | 54.66        | 5.00                   | 20.00                     | 6.34           | 48.32                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 6/12/2001            | --        |          | 54.66        | 5.00                   | 20.00                     | 9.76           | 44.90                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 86        | --        | --        |
| 9/23/2001            | --        |          | 54.66        | 5.00                   | 20.00                     | 10.55          | 44.11                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/31/2001           | --        |          | 54.66        | 5.00                   | 20.00                     | 3.70           | 50.96                        | <50                      | <0.5      | <0.5      | <0.5          | 1             | 60        | --        | --        |
| 3/21/2002            | --        |          | 54.66        | 5.00                   | 20.00                     | 5.75           | 48.91                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 4/17/2002            | --        |          | 54.66        | 5.00                   | 20.00                     | 7.27           | 47.39                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 45        | --        | --        |
| 8/12/2002            | --        |          | 54.66        | 5.00                   | 20.00                     | 9.71           | 44.95                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/6/2002            | P         |          | 54.66        | 5.00                   | 20.00                     | 9.55           | 45.11                        | <500                     | <5.0      | <5.0      | <5.0          | <5.0          | 150       | 2.4       | 6.6       |
| 1/30/2003            | --        |          | 54.66        | 5.00                   | 20.00                     | 6.05           | 48.61                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 1/30/2003            | --        |          | 54.66        | 5.00                   | 20.00                     | 6.05           | 48.61                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/28/2003            | --        |          | 54.66        | 5.00                   | 20.00                     | 8.06           | 46.60                        | 74                       | <0.50     | <0.50     | <0.50         | <0.50         | 43        | 1.5       | 6.9       |
| 8/6/2003             | --        |          | 54.66        | 5.00                   | 20.00                     | 9.91           | 44.75                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/14/2003           | --        |          | 54.66        | 5.00                   | 20.00                     | 9.52           | 45.14                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2004           | P         | g        | 59.32        | 5.00                   | 20.00                     | 5.63           | 53.69                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 13        | 1.2       | 7.1       |
| 05/04/2004           | --        |          | 59.32        | 5.00                   | 20.00                     | 8.14           | 51.18                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 09/02/2004           | P         |          | 59.32        | 5.00                   | 20.00                     | 10.10          | 49.22                        | <250                     | <2.5      | <2.5      | <2.5          | <2.5          | 62        | 1.3       | 6.6       |
| 11/10/2004           | --        |          | 59.32        | 5.00                   | 20.00                     | 7.89           | 51.43                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2005           | P         |          | 59.32        | 5.00                   | 20.00                     | 5.00           | 54.32                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 6.8       | 1.9       | 6.9       |
| 05/09/2005           | --        |          | 59.32        | 5.00                   | 20.00                     | 5.96           | 53.36                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 08/11/2005           | P         | h        | 59.32        | 5.00                   | 20.00                     | 9.28           | 50.04                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 39        | 1.8       | 5.5       |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-3 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 11/18/2005           | --        |          | 59.32        | 5.00                   | 20.00                     | 8.61           | 50.71                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/15/2006           | P         |          | 59.32        | 5.00                   | 20.00                     | 4.36           | 54.96                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 2.2       | 3.6       | 7.2       |
| 5/30/2006            | --        |          | 59.32        | 5.00                   | 20.00                     | 6.28           | 53.04                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/11/2006            | P         |          | 59.32        | 5.00                   | 20.00                     | 9.27           | 50.05                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 4.1       | 2.10      | 6.4       |
| 11/1/2006            | --        |          | 59.32        | 5.00                   | 20.00                     | 9.52           | 49.80                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/7/2007             | NP        |          | 59.32        | 5.00                   | 20.00                     | 7.90           | 51.42                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.58      | 1.74      | 7.70      |
| 5/9/2007             | --        |          | 59.32        | 5.00                   | 20.00                     | 6.55           | 52.77                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/7/2007             | NP        |          | 59.32        | 5.00                   | 20.00                     | 9.57           | 49.75                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 3.9       | 0.95      | 6.82      |
| 11/14/2007           | --        |          | 59.32        | 5.00                   | 20.00                     | 8.00           | 51.32                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/28/2008            | P         |          | 59.32        | 5.00                   | 20.00                     | 3.75           | 55.57                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.58      | 6.16      | 6.92      |
| 5/23/2008            | --        |          | 59.32        | 5.00                   | 20.00                     | 9.10           | 50.22                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 59.32        | 5.00                   | 20.00                     | 9.80           | 49.52                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.55      | 0.69      | 8.63      |
| 11/19/2008           | --        |          | 59.32        | 5.00                   | 20.00                     | 8.31           | 51.01                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | NP        |          | 59.32        | 5.00                   | 20.00                     | 7.30           | 52.02                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 0.90      | 7.14      |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>59.32</b> | <b>5.00</b>            | <b>20.00</b>              | <b>6.10</b>    | <b>53.22</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-4</b>           |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 54.73        | 5.00                   | 20.00                     | 9.49           | 45.24                        | 2,100                    | 110       | 2.1       | 11            | 5.9           | 2,000     | --        | --        |
| 9/20/2000            | --        |          | 54.73        | 5.00                   | 20.00                     | 10.33          | 44.40                        | 1,540                    | 127       | <5.0      | 9.07          | 7.42          | 1,940     | --        | --        |
| 12/26/2000           | --        |          | 54.73        | 5.00                   | 20.00                     | 9.34           | 45.39                        | 1,550                    | 42.7      | <5.0      | 11            | 10.9          | 1,210     | --        | --        |
| 3/20/2001            | --        |          | 54.73        | 5.00                   | 20.00                     | 7.56           | 47.17                        | 913                      | 40.9      | <5.0      | 15.5          | 14.6          | <25       | --        | --        |
| 6/12/2001            | --        |          | 54.73        | 5.00                   | 20.00                     | 9.83           | 44.90                        | 2,000                    | 230       | <20       | 21            | <20           | 4,700     | --        | --        |
| 9/23/2001            | --        |          | 54.73        | 5.00                   | 20.00                     | 10.54          | 44.19                        | 1,600                    | 35        | <10       | <10           | <10           | 3,000     | --        | --        |
| 12/31/2001           | --        |          | 54.73        | 5.00                   | 20.00                     | 5.42           | 49.31                        | <500                     | <5.0      | <5.0      | <5.0          | <5.0          | 880       | --        | --        |
| 3/21/2002            | --        |          | 54.73        | 5.00                   | 20.00                     | 6.18           | 48.55                        | <5,000                   | <50       | <50       | <50           | <50           | 1,400     | --        | --        |
| 4/17/2002            | --        |          | 54.73        | 5.00                   | 20.00                     | 7.34           | 47.39                        | 1,300                    | 79        | 31        | 17            | 55            | 2,200     | --        | --        |
| 8/12/2002            | P         | a        | 54.73        | 5.00                   | 20.00                     | 9.56           | 45.17                        | 2,400                    | 120       | <5.0      | <5.0          | <5.0          | 2,100     | 2         | 7.2       |
| 12/6/2002            | P         |          | 54.73        | 5.00                   | 20.00                     | 10.02          | 44.71                        | 2,200                    | 110       | 10        | 42            | 56            | 2,000     | --        | 6.7       |
| 1/30/2003            | P         |          | 54.73        | 5.00                   | 20.00                     | 7.55           | 47.18                        | 6,000                    | 180       | <50       | 85            | <50           | 2,100     | 1.8       | 6.8       |
| 5/28/2003            | --        |          | 54.73        | 5.00                   | 20.00                     | 8.94           | 45.79                        | 6,000                    | 120       | <50       | <50           | <50           | 2,500     | 1.5       | 6.7       |
| 8/6/2003             | --        |          | 54.73        | 5.00                   | 20.00                     | 10.03          | 44.70                        | 5,800                    | 100       | <25       | <25           | 33            | 2,500     | 1.5       | 6.7       |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |                 |                 |                 |                 |            | DO (mg/L)   | pH          |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|------------|-------------|-------------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene         | Toluene         | Ethyl-Benzene   | Total Xylenes   | MTBE       |             |             |
| <b>A-4 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |                 |                 |                 |                 |            |             |             |
| 11/14/2003           | P         | d, f     | 54.73        | 5.00                   | 20.00                     | 10.37          | 44.36                        | 1,000                    | 17              | <5.0            | <5.0            | <5.0            | 310        | 1.6         | 6.8         |
| 02/02/2004           | P         | d, g     | 59.59        | 5.00                   | 20.00                     | 6.70           | 52.89                        | 3,600                    | 46              | <25             | <25             | <25             | 1,500      | 1.0         | 7.1         |
| 05/04/2004           | P         | d        | 59.59        | 5.00                   | 20.00                     | 9.12           | 50.47                        | <5,000                   | <50             | <50             | <50             | <50             | 2,300      | 6.4         | 6.8         |
| 09/02/2004           | P         |          | 59.59        | 5.00                   | 20.00                     | 9.95           | 49.64                        | 3,000                    | <25             | <25             | <25             | <25             | 1,200      | 9.1         | 6.8         |
| 11/10/2004           | P         |          | 59.59        | 5.00                   | 20.00                     | 8.68           | 50.91                        | 1,800                    | 16              | <10             | <10             | <10             | 1,100      | 2.0         | 7.2         |
| 02/02/2005           | P         |          | 59.59        | 5.00                   | 20.00                     | 6.92           | 52.67                        | 3,300                    | 120             | <10             | 66              | 11              | 1,700      | 1.5         | 6.5         |
| 05/09/2005           | P         |          | 59.59        | 5.00                   | 20.00                     | 7.21           | 52.38                        | <5,000                   | 140             | <50             | 62              | <50             | 1,800      | 1.64        | 6.6         |
| 08/11/2005           | P         | f, h     | 59.59        | 5.00                   | 20.00                     | 9.71           | 49.88                        | 1,700                    | 51              | <10             | <10             | <10             | 1,200      | --          | 6.9         |
| 11/18/2005           | P         |          | 59.59        | 5.00                   | 20.00                     | 9.45           | 50.14                        | 1,300                    | 23              | <2.5            | 7.2             | 11              | 310        | 1.4         | 6.7         |
| 02/15/2006           | P         |          | 59.59        | 5.00                   | 20.00                     | 7.12           | 52.47                        | 2,200                    | 46              | <2.5            | 29              | 7.0             | 910        | 0.9         | 6.8         |
| 5/30/2006            | P         |          | 59.59        | 5.00                   | 20.00                     | 7.95           | 51.64                        | 3,300                    | 95              | <10             | 55              | <10             | 1,200      | 1.76        | 6.5         |
| 8/11/2006            | P         |          | 59.59        | 5.00                   | 20.00                     | 9.50           | 50.09                        | 350                      | 93              | <10             | <10             | <10             | 1,200      | 1.4         | 6.6         |
| 11/1/2006            | P         |          | 59.59        | 5.00                   | 20.00                     | 9.93           | 49.66                        | 1,300                    | <10             | <10             | <10             | <10             | 360        | 4.56        | 6.94        |
| 2/7/2007             | NP        |          | 59.59        | 5.00                   | 20.00                     | 8.82           | 50.77                        | 4,900                    | 85              | <10             | 40              | <10             | 1,500      | 0.72        | 6.86        |
| 5/9/2007             | NP        |          | 59.59        | 5.00                   | 20.00                     | 7.56           | 52.03                        | 1,700                    | 19              | <10             | <10             | <10             | 340        | 3.00        | 7.03        |
| 8/7/2007             | NP        |          | 59.59        | 5.00                   | 20.00                     | 9.80           | 49.79                        | 2,700                    | 69              | <5.0            | <5.0            | <5.0            | 510        | 1.04        | 6.95        |
| 11/14/2007           | NP        |          | 59.59        | 5.00                   | 20.00                     | 8.65           | 50.94                        | 500                      | 4.9             | <0.50           | <0.50           | <0.50           | 280        | 1.27        | 6.94        |
| 2/28/2008            | NP        |          | 59.59        | 5.00                   | 20.00                     | 6.15           | 53.44                        | 850                      | 17              | <0.50           | 4.4             | 1.4             | 350        | 1.76        | 7.03        |
| 5/23/2008            | NP        |          | 59.59        | 5.00                   | 20.00                     | 9.40           | 50.19                        | 1,900                    | 75              | <20             | <20             | <20             | 1,000      | 1.28        | 6.58        |
| 8/13/2008            | NP        |          | 59.59        | 5.00                   | 20.00                     | 9.92           | 49.67                        | 3,100                    | 47              | <10             | <10             | <10             | 530        | 0.89        | 8.97        |
| 11/19/2008           | NP        |          | 59.59        | 5.00                   | 20.00                     | 9.19           | 50.40                        | 1,800                    | 70              | <10             | 21              | <10             | 430        | 0.83        | 6.50        |
| 2/10/2009            | NP        |          | 59.59        | 5.00                   | 20.00                     | 7.68           | 51.91                        | 1,900                    | 33              | <10             | 14              | <10             | 400        | 0.87        | 7.31        |
| <b>5/7/2009</b>      | <b>NP</b> |          | <b>59.59</b> | <b>5.00</b>            | <b>20.00</b>              | <b>7.31</b>    | <b>52.28</b>                 | <b>&lt;50</b>            | <b>&lt;0.50</b> | <b>&lt;0.50</b> | <b>&lt;0.50</b> | <b>&lt;0.50</b> | <b>9.9</b> | <b>2.40</b> | <b>7.10</b> |
| <b>A-5</b>           |           |          |              |                        |                           |                |                              |                          |                 |                 |                 |                 |            |             |             |
| 6/21/2000            | --        |          | 54.17        | 3.00                   | 24.00                     | 9.29           | 44.88                        | 980                      | <0.5            | <0.5            | <0.5            | <1.0            | 2,000      | --          | --          |
| 9/20/2000            | --        |          | 54.17        | 3.00                   | 24.00                     | 10.23          | 43.94                        | --                       | --              | --              | --              | --              | --         | --          | --          |
| 12/26/2000           | --        |          | 54.17        | 3.00                   | 24.00                     | 9.65           | 44.52                        | 525                      | <0.5            | <0.5            | <0.5            | <0.5            | 1,200      | --          | --          |
| 3/20/2001            | --        |          | 54.17        | 3.00                   | 24.00                     | 8.05           | 46.12                        | --                       | --              | --              | --              | --              | --         | --          | --          |
| 6/12/2001            | --        |          | 54.17        | 3.00                   | 24.00                     | 9.81           | 44.36                        | 830                      | <5.0            | <5.0            | <5.0            | <5.0            | 3,200      | --          | --          |
| 9/23/2001            | --        |          | 54.17        | 3.00                   | 24.00                     | 10.42          | 43.75                        | --                       | --              | --              | --              | --              | --         | --          | --          |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-5 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 12/31/2001           | --        |          | 54.17        | 3.00                   | 24.00                     | 6.03           | 48.14                        | 320                      | <0.5      | <0.5      | <0.5          | <0.5          | 60        | --        | --        |
| 3/21/2002            | --        |          | 54.17        | 3.00                   | 24.00                     | 6.71           | 47.46                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 4/17/2002            | --        |          | 54.17        | 3.00                   | 24.00                     | 8.01           | 46.16                        | 1,600                    | <10       | <10       | <10           | <10           | 3,200     | --        | --        |
| 8/12/2002            | --        |          | 54.17        | 3.00                   | 24.00                     | 9.87           | 44.30                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/6/2002            | P         |          | 54.17        | 3.00                   | 24.00                     | 9.66           | 44.51                        | 310                      | <0.50     | <0.50     | <0.50         | <0.50         | 330       | 1.9       | 6.6       |
| 1/30/2003            | --        |          | 54.17        | 3.00                   | 24.00                     | 7.67           | 46.50                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/28/2003            | --        |          | 54.17        | 3.00                   | 24.00                     | 8.56           | 45.61                        | <5,000                   | <50       | <50       | <50           | <50           | 1,500     | 1.6       | 6.6       |
| 8/6/2003             | --        |          | 54.17        | 3.00                   | 24.00                     | 9.58           | 44.59                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/14/2003           | --        |          | 54.17        | 3.00                   | 24.00                     | 9.81           | 44.36                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2004           | P         | g        | 58.78        | 3.00                   | 24.00                     | 7.43           | 51.35                        | 390                      | <2.5      | 9.2       | <2.5          | 2.6           | 140       | 1.0       | 6.8       |
| 05/04/2004           | --        |          | 58.78        | 3.00                   | 24.00                     | 9.98           | 48.80                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 09/02/2004           | P         |          | 58.78        | 3.00                   | 24.00                     | 9.65           | 49.13                        | <250                     | <2.5      | <2.5      | <2.5          | <2.5          | 66        | 1.1       | 6.4       |
| 11/10/2004           | --        |          | 58.78        | 3.00                   | 24.00                     | 8.48           | 50.30                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2005           | P         |          | 58.78        | 3.00                   | 24.00                     | 7.10           | 51.68                        | 68                       | <0.50     | <0.50     | <0.50         | <0.50         | 17        | 1.0       | 7.2       |
| 05/09/2005           | --        |          | 58.78        | 3.00                   | 24.00                     | 7.20           | 51.58                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 08/11/2005           | P         | h        | 58.78        | 3.00                   | 24.00                     | 9.21           | 49.57                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 6.8       | 1.3       | 6.2       |
| 11/18/2005           | --        |          | 58.78        | 3.00                   | 24.00                     | 9.10           | 49.68                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/15/2006           | P         |          | 58.78        | 3.00                   | 24.00                     | 7.16           | 51.62                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 5.1       | 1.2       | 6.9       |
| 5/30/2006            | --        |          | 58.78        | 3.00                   | 24.00                     | 7.87           | 50.91                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/11/2006            | P         |          | 58.78        | 3.00                   | 24.00                     | 8.90           | 49.88                        | 920                      | <0.50     | <0.50     | <0.50         | <0.50         | 12        | 1.4       | 6.7       |
| 11/1/2006            | --        |          | 58.78        | 3.00                   | 24.00                     | 9.30           | 49.48                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/7/2007             | NP        | i        | 58.78        | 3.00                   | 24.00                     | 8.50           | 50.28                        | 60                       | <0.50     | <0.50     | <0.50         | <0.50         | 1.5       | 0.73      | 7.14      |
| 5/9/2007             | --        |          | 58.78        | 3.00                   | 24.00                     | 7.60           | 51.18                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/7/2007             | NP        |          | 58.78        | 3.00                   | 24.00                     | 9.30           | 49.48                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.81      | 0.41      | 7.18      |
| 11/14/2007           | --        |          | 58.78        | 3.00                   | 24.00                     | 8.48           | 50.30                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/28/2008            | NP        |          | 58.78        | 3.00                   | 24.00                     | 6.21           | 52.57                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.97      | 2.24      | 7.40      |
| 5/23/2008            | --        |          | 58.78        | 3.00                   | 24.00                     | 8.97           | 49.81                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 58.78        | 3.00                   | 24.00                     | 9.42           | 49.36                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.69      | 0.62      | 8.96      |
| 11/19/2008           | --        |          | 58.78        | 3.00                   | 24.00                     | 8.91           | 49.87                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | NP        |          | 58.78        | 3.00                   | 24.00                     | 7.80           | 50.98                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 1.6       | 0.85      | 7.52      |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>58.78</b> | <b>3.00</b>            | <b>24.00</b>              | <b>7.37</b>    | <b>51.41</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments            | TOC (feet) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |      | DO (mg/L) | pH  |
|----------------------|------|---------------------|------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|------|-----------|-----|
|                      |      |                     |            |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE |           |     |
| <b>A-5</b>           |      |                     |            |                        |                           |                |                              |                          |         |         |               |               |      |           |     |
| <b>A-6</b>           |      |                     |            |                        |                           |                |                              |                          |         |         |               |               |      |           |     |
| 6/21/2000            | --   |                     | 55.17      | 3.00                   | 25.00                     | 8.67           | 46.50                        | <50                      | <0.5    | <0.5    | <0.5          | <1.0          | <3.0 | --        | --  |
| 9/20/2000            | --   |                     | 55.17      | 3.00                   | 25.00                     | 9.34           | 45.83                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | --        | --  |
| 12/26/2000           | --   |                     | 55.17      | 3.00                   | 25.00                     | 8.65           | 46.52                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | --        | --  |
| 3/20/2001            | --   |                     | 55.17      | 3.00                   | 25.00                     | 6.84           | 48.33                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | --        | --  |
| 6/12/2001            | --   |                     | 55.17      | 3.00                   | 25.00                     | 8.93           | 46.24                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | 7    | --        | --  |
| 9/23/2001            | --   |                     | 55.17      | 3.00                   | 25.00                     | 9.74           | 45.43                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | --        | --  |
| 12/31/2001           | --   |                     | 55.17      | 3.00                   | 25.00                     | 4.81           | 50.36                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | 3.2  | --        | --  |
| 3/21/2002            | --   |                     | 55.17      | 3.00                   | 25.00                     | 5.44           | 49.73                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | --        | --  |
| 4/17/2002            | --   |                     | 55.17      | 3.00                   | 25.00                     | 6.95           | 48.22                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | 3.1  | --        | --  |
| 8/12/2002            | NP   |                     | 55.17      | 3.00                   | 25.00                     | 8.90           | 46.27                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | 4.3       | 7.9 |
| 12/6/2002            | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 1/30/2003            | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 5/28/2003            | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 8/6/2003             | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 11/14/2003           | --   | Well inaccessible e | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 02/02/2004           | --   | Well inaccessible e | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 05/04/2004           | --   | Well inaccessible e | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 09/02/2004           | --   | Well inaccessible e | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 11/10/2004           | --   | Well inaccessible e | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 02/02/2005           | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 05/09/2005           | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 08/11/2005           | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 11/18/2005           | --   | e                   | 55.17      | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 2/15/2006            | --   | e                   | --         | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 5/30/2006            | --   | e                   | --         | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 8/11/2006            | --   | e                   | --         | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| 11/1/2006            | --   | e                   | --         | 3.00                   | 25.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | --  |
| <b>A-7</b>           |      |                     |            |                        |                           |                |                              |                          |         |         |               |               |      |           |     |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments | TOC (feet) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |      | DO (mg/L) | pH   |
|----------------------|------|----------|------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|------|-----------|------|
|                      |      |          |            |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE |           |      |
| <b>A-7 Cont.</b>     |      |          |            |                        |                           |                |                              |                          |         |         |               |               |      |           |      |
| 6/21/2000            | --   |          | 54.71      | 3.00                   | 22.00                     | 8.58           | 46.13                        | <50                      | <0.5    | <0.5    | <0.5          | <1.0          | <3.0 | --        | --   |
| 9/20/2000            | --   |          | 54.71      | 3.00                   | 22.00                     | 9.19           | 45.52                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 12/26/2000           | --   |          | 54.71      | 3.00                   | 22.00                     | 8.50           | 46.21                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 3/20/2001            | --   |          | 54.71      | 3.00                   | 22.00                     | 6.75           | 47.96                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 6/12/2001            | --   |          | 54.71      | 3.00                   | 22.00                     | 8.80           | 45.91                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5 | --        | --   |
| 9/23/2001            | --   |          | 54.71      | 3.00                   | 22.00                     | 9.59           | 45.12                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 12/31/2001           | --   |          | 54.71      | 3.00                   | 22.00                     | 4.78           | 49.93                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 3/21/2002            | --   |          | 54.71      | 3.00                   | 22.00                     | 5.35           | 49.36                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 4/17/2002            | --   |          | 54.71      | 3.00                   | 22.00                     | 6.88           | 47.83                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | 2.5  | --        | --   |
| 8/12/2002            | --   |          | 54.71      | 3.00                   | 22.00                     | 8.77           | 45.94                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 12/6/2002            | --   |          | 54.71      | 3.00                   | 22.00                     | 9.07           | 45.64                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 1/30/2003            | --   |          | 54.71      | 3.00                   | 22.00                     | 6.65           | 48.06                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 5/28/2003            | --   |          | 54.71      | 3.00                   | 22.00                     | 7.63           | 47.08                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 3.8  | 2.3       | 6.7  |
| 8/6/2003             | --   |          | 54.71      | 3.00                   | 22.00                     | 8.90           | 45.81                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 11/14/2003           | --   |          | 54.71      | 3.00                   | 22.00                     | 9.08           | 45.63                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 02/02/2004           | --   | g        | 59.75      | 3.00                   | 22.00                     | 5.96           | 53.79                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 05/04/2004           | --   |          | 59.75      | 3.00                   | 22.00                     | 8.21           | 51.54                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 09/02/2004           | P    |          | 59.75      | 3.00                   | 22.00                     | 9.02           | 50.73                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 8.9  | 3.0       | 6.7  |
| 11/10/2004           | --   |          | 59.75      | 3.00                   | 22.00                     | 7.50           | 52.25                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 02/02/2005           | --   |          | 59.75      | 3.00                   | 22.00                     | 6.10           | 53.65                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 05/09/2005           | --   |          | 59.75      | 3.00                   | 22.00                     | 6.48           | 53.27                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 08/11/2005           | P    | h        | 59.75      | 3.00                   | 22.00                     | 8.45           | 51.30                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 18   | 1.6       | 6.6  |
| 11/18/2005           | --   |          | 59.75      | 3.00                   | 22.00                     | 8.65           | 51.10                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 02/15/2006           | --   |          | 59.75      | 3.00                   | 22.00                     | 6.51           | 53.24                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 5/30/2006            | --   |          | 59.75      | 3.00                   | 22.00                     | 7.13           | 52.62                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 8/11/2006            | P    |          | 59.75      | 3.00                   | 22.00                     | 8.46           | 51.29                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 3.6  | 1.7       | 6.7  |
| 11/1/2006            | --   |          | 59.75      | 3.00                   | 22.00                     | 8.99           | 50.76                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 2/7/2007             | --   |          | 59.75      | 3.00                   | 22.00                     | 8.12           | 51.63                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 5/9/2007             | --   |          | 59.75      | 3.00                   | 22.00                     | 7.04           | 52.71                        | --                       | --      | --      | --            | --            | --   | --        | --   |
| 8/7/2007             | NP   |          | 59.75      | 3.00                   | 22.00                     | 9.10           | 50.65                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 2.7  | 1.34      | 7.09 |
| 11/14/2007           | --   |          | 59.75      | 3.00                   | 22.00                     | 8.00           | 51.75                        | --                       | --      | --      | --            | --            | --   | --        | --   |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-7 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 2/28/2008            | --        |          | 59.75        | 3.00                   | 22.00                     | 5.81           | 53.94                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        |          | 59.75        | 3.00                   | 22.00                     | 8.74           | 51.01                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 59.75        | 3.00                   | 22.00                     | 9.27           | 50.48                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 1.05      | 8.45      |
| 11/19/2008           | --        |          | 59.75        | 3.00                   | 22.00                     | 8.67           | 51.08                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 59.75        | 3.00                   | 22.00                     | 7.47           | 52.28                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>59.75</b> | <b>3.00</b>            | <b>22.00</b>              | <b>6.88</b>    | <b>52.87</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-8</b>           |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 53.77        | 3.00                   | 25.00                     | 9.07           | 44.70                        | 810                      | <0.5      | <0.5      | <0.5          | 810           | 1,500     | --        | --        |
| 9/20/2000            | --        |          | 53.77        | 3.00                   | 25.00                     | 9.72           | 44.05                        | 10,800                   | 2,680     | 46        | 439           | 370           | 4,410     | --        | --        |
| 12/26/2000           | --        |          | 53.77        | 3.00                   | 25.00                     | 9.20           | 44.57                        | 7,700                    | 1,440     | <50       | 202           | 106           | 2,230     | --        | --        |
| 3/20/2001            | --        |          | 53.77        | 3.00                   | 25.00                     | 7.51           | 46.26                        | <5,000                   | 1,280     | <50       | 53.9          | <50           | 2,880     | --        | --        |
| 6/12/2001            | --        |          | 53.77        | 3.00                   | 25.00                     | 9.53           | 44.24                        | 5,600                    | 1,700     | <50       | 61            | 54            | 2,900     | --        | --        |
| 9/23/2001            | --        |          | 53.77        | 3.00                   | 25.00                     | 10.08          | 43.69                        | 10,000                   | 3,500     | <50       | 110           | 64            | 6,500     | --        | --        |
| 12/31/2001           | --        |          | 53.77        | 3.00                   | 25.00                     | 4.34           | 49.43                        | 4,300                    | 610       | <10       | 60            | 24            | 520       | --        | --        |
| 3/21/2002            | --        |          | 53.77        | 3.00                   | 25.00                     | 6.67           | 47.10                        | 6,600                    | 1,400     | <50       | 130           | <50           | 2,700     | --        | --        |
| 4/17/2002            | --        |          | 53.77        | 3.00                   | 25.00                     | 7.72           | 46.05                        | 3,800                    | 540       | <10       | <10           | 12            | 3,100     | --        | --        |
| 8/12/2002            | NP        |          | 53.77        | 3.00                   | 25.00                     | 9.64           | 44.13                        | 9,400                    | 1,800     | <20       | 35            | 28            | 4,200     | 1         | 6.7       |
| 12/6/2002            | NP        | b        | 53.77        | 3.00                   | 25.00                     | 9.62           | 44.15                        | 5,300                    | 1,100     | 11        | 11            | <10           | 2,200     | 1.4       | 6.7       |
| 1/30/2003            | NP        |          | 53.77        | 3.00                   | 25.00                     | 7.49           | 46.28                        | <10,000                  | 1,100     | <100      | <100          | <100          | 2,200     | 1.5       | 6.9       |
| 5/28/2003            | --        |          | 53.77        | 3.00                   | 25.00                     | 9.17           | 44.60                        | 7,700                    | 1,700     | <50       | <50           | <50           | 2,100     | 1         | 6.8       |
| 8/6/2003             | --        |          | 53.77        | 3.00                   | 25.00                     | 9.67           | 44.10                        | 13,000                   | 2,400     | <50       | <50           | <50           | 3,000     | 0.9       | 6.5       |
| 11/14/2003           | NP        | d        | 53.77        | 3.00                   | 25.00                     | 9.80           | 43.97                        | 3,100                    | 570       | <5.0      | <5.0          | <5.0          | 850       | 2.3       | 6.2       |
| 02/02/2004           | NP        | d, g     | 58.70        | 3.00                   | 25.00                     | 7.10           | 51.60                        | 3,900                    | 300       | <25       | <25           | <25           | 1,100     | 1.1       | 6.8       |
| 05/04/2004           | NP        |          | 58.70        | 3.00                   | 25.00                     | 9.44           | 49.26                        | <5,000                   | 490       | <50       | <50           | <50           | 1,600     | 1.0       | 6.9       |
| 09/02/2004           | NP        |          | 58.70        | 3.00                   | 25.00                     | 9.67           | 49.03                        | <2,500                   | 30        | <25       | <25           | <25           | 680       | 1.0       | 6.2       |
| 11/10/2004           | NP        |          | 58.70        | 3.00                   | 25.00                     | 8.15           | 50.55                        | 580                      | 61        | <2.5      | <2.5          | <2.5          | 290       | 1.5       | 6.4       |
| 02/02/2005           | NP        |          | 58.70        | 3.00                   | 25.00                     | 6.53           | 52.17                        | 5,000                    | 890       | <25       | <25           | <25           | 1,900     | 1.0       | 7.4       |
| 05/09/2005           | NP        |          | 58.70        | 3.00                   | 25.00                     | 6.31           | 52.39                        | 69                       | 0.90      | <0.50     | <0.50         | <0.50         | 66        | 4.1       | 7.2       |
| 08/11/2005           | NP        | h        | 58.70        | 3.00                   | 25.00                     | 9.15           | 49.55                        | 1,400                    | 1,300     | <12       | <12           | <12           | 1,100     | 0.7       | 6.4       |
| 11/18/2005           | NP        |          | 58.70        | 3.00                   | 25.00                     | 8.89           | 49.81                        | 1,200                    | 420       | <5.0      | <5.0          | <5.0          | 340       | 0.7       | 7.0       |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |                |                |                |           | DO (mg/L)   | pH          |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|----------------|----------------|----------------|-----------|-------------|-------------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene        | Ethyl-Benzene  | Total Xylenes  | MTBE      |             |             |
| <b>A-8 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |           |                |                |                |           |             |             |
| 02/15/2006           | NP        |          | 58.70        | 3.00                   | 25.00                     | 6.34           | 52.36                        | 3,200                    | 970       | <10            | <10            | <10            | 1,100     | 0.9         | 6.1         |
| 5/30/2006            | NP        |          | 58.70        | 3.00                   | 25.00                     | 7.53           | 51.17                        | 510                      | 210       | <2.5           | <2.5           | <2.5           | 140       | 2.6         | 6.7         |
| 8/11/2006            | P         | i        | 58.70        | 3.00                   | 25.00                     | 8.90           | 49.80                        | 1,300                    | 500       | <5.0           | <5.0           | <5.0           | 290       | 0.7         | 7.0         |
| 11/1/2006            | P         |          | 58.70        | 3.00                   | 25.00                     | 9.15           | 49.55                        | 4,800                    | 790       | 6.6            | <5.0           | <5.0           | 910       | 1.72        | 7.11        |
| 2/7/2007             | NP        |          | 58.70        | 3.00                   | 25.00                     | 8.48           | 50.22                        | 7,600                    | 2,300     | <25            | <25            | <25            | 1,200     | 1.25        | 7.11        |
| 5/9/2007             | NP        |          | 58.70        | 3.00                   | 25.00                     | 7.25           | 51.45                        | 750                      | 180       | <2.5           | <2.5           | <2.5           | 55        | 1.75        | 7.14        |
| 8/7/2007             | NP        |          | 58.70        | 3.00                   | 25.00                     | 9.17           | 49.53                        | 2,100                    | 700       | 4.0            | <2.5           | <2.5           | 430       | 0.77        | 6.95        |
| 11/14/2007           | NP        |          | 58.70        | 3.00                   | 25.00                     | 7.77           | 50.93                        | 990                      | 300       | 2.5            | 0.68           | 0.96           | 100       | 1.01        | 6.73        |
| 2/28/2008            | NP        |          | 58.70        | 3.00                   | 25.00                     | 5.14           | 53.56                        | 2,100                    | 670       | <5.0           | <5.0           | <5.0           | 220       | 1.67        | 7.09        |
| 5/23/2008            | --        | j        | 58.70        | 3.00                   | 25.00                     | --             | --                           | --                       | --        | --             | --             | --             | --        | --          | --          |
| 8/13/2008            | NP        |          | 58.70        | 3.00                   | 25.00                     | 9.48           | 49.22                        | 3,100                    | 970       | <25            | <25            | <25            | 250       | 0.84        | 8.73        |
| 11/19/2008           | NP        |          | 58.70        | 3.00                   | 25.00                     | 8.87           | 49.83                        | 3,800                    | 1,000     | <20            | <20            | <20            | 230       | 0.89        | 6.87        |
| 2/10/2009            | NP        |          | 58.70        | 3.00                   | 25.00                     | 7.11           | 51.59                        | 3,600                    | 1,300     | <25            | <25            | <25            | 320       | 0.89        | 6.87        |
| <b>5/7/2009</b>      | <b>NP</b> |          | <b>58.70</b> | <b>3.00</b>            | <b>25.00</b>              | <b>6.47</b>    | <b>52.23</b>                 | <b>270</b>               | <b>65</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>12</b> | <b>0.97</b> | <b>6.56</b> |
| <b>A-9</b>           |           |          |              |                        |                           |                |                              |                          |           |                |                |                |           |             |             |
| 6/21/2000            | --        |          | 53.04        | 5.00                   | 40.00                     | 8.56           | 44.48                        | <50                      | <0.5      | <0.5           | <0.5           | <1.0           | 5         | --          | --          |
| 9/20/2000            | --        |          | 53.04        | 5.00                   | 40.00                     | 9.05           | 43.99                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 12/26/2000           | --        |          | 53.04        | 5.00                   | 40.00                     | 8.49           | 44.55                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 3/20/2001            | --        |          | 53.04        | 5.00                   | 40.00                     | 6.95           | 46.09                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 6/12/2001            | --        |          | 53.04        | 5.00                   | 40.00                     | 8.67           | 44.37                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | 4.8       | --          | --          |
| 9/23/2001            | --        |          | 53.04        | 5.00                   | 40.00                     | 9.21           | 43.83                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 12/31/2001           | --        |          | 53.04        | 5.00                   | 40.00                     | 4.57           | 48.47                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 3/21/2002            | --        |          | 53.04        | 5.00                   | 40.00                     | 5.60           | 47.44                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 4/17/2002            | --        |          | 53.04        | 5.00                   | 40.00                     | 6.89           | 46.15                        | <50                      | <0.5      | <0.5           | <0.5           | <0.5           | <2.5      | --          | --          |
| 8/12/2002            | P         |          | 53.04        | 5.00                   | 40.00                     | 8.71           | 44.33                        | <50                      | <0.50     | <0.50          | <0.50          | <0.50          | <2.5      | 4           | 7.6         |
| 12/6/2002            | P         |          | 53.04        | 5.00                   | 40.00                     | 8.77           | 44.27                        | <50                      | <0.50     | <0.50          | <0.50          | <0.50          | <2.0      | 1.1         | 6.7         |
| 1/30/2003            | P         |          | 53.04        | 5.00                   | 40.00                     | 6.88           | 46.16                        | <50                      | <0.50     | <0.50          | <0.50          | <0.50          | 1.1       | 0.9         | 6.8         |
| 5/28/2003            | --        |          | 53.04        | 5.00                   | 40.00                     | 9.75           | 43.29                        | <50                      | <0.50     | <0.50          | <0.50          | <0.50          | 0.74      | 1.9         | 6.8         |
| 8/6/2003             | --        |          | 53.04        | 5.00                   | 40.00                     | 9.00           | 44.04                        | <50                      | <0.50     | <0.50          | <0.50          | <0.50          | 1.8       | 2.2         | 6.7         |
| 11/14/2003           | --        | d        | 53.04        | 5.00                   | 40.00                     | 8.82           | 44.22                        | --                       | --        | --             | --             | --             | --        | --          | --          |



**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-9 Cont.</b>     |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 02/02/2004           | --        | d, g     | 57.73        | 5.00                   | 40.00                     | 7.10           | 50.63                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 05/04/2004           | --        |          | 57.73        | 5.00                   | 40.00                     | 8.12           | 49.61                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 09/02/2004           | P         |          | 57.73        | 5.00                   | 40.00                     | 8.78           | 48.95                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 6.6       | 6.5       |
| 11/10/2004           | --        |          | 57.73        | 5.00                   | 40.00                     | 7.88           | 49.85                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2005           | --        |          | 57.73        | 5.00                   | 40.00                     | 6.40           | 51.33                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 05/09/2005           | --        |          | 57.73        | 5.00                   | 40.00                     | 6.82           | 50.91                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 08/11/2005           | P         |          | 57.73        | 5.00                   | 40.00                     | 8.37           | 49.36                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 1.5       | 1.8       | 6.7       |
| 11/18/2005           | --        |          | 57.73        | 5.00                   | 40.00                     | 8.24           | 49.49                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/15/2006           | --        |          | 57.73        | 5.00                   | 40.00                     | 6.38           | 51.35                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/30/2006            | --        |          | 57.73        | 5.00                   | 40.00                     | 7.17           | 50.56                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/11/2006            | P         |          | 57.73        | 5.00                   | 40.00                     | 8.20           | 49.53                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 1.6       | 1.02      | 6.6       |
| 11/1/2006            | --        |          | 57.73        | 5.00                   | 40.00                     | 8.90           | 48.83                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/7/2007             | --        |          | 57.73        | 5.00                   | 40.00                     | 7.83           | 49.90                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/9/2007             | --        |          | 57.73        | 5.00                   | 40.00                     | 6.92           | 50.81                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/7/2007             | NP        |          | 57.73        | 5.00                   | 40.00                     | 8.58           | 49.15                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.64      | 1.81      | 6.90      |
| 11/14/2007           | --        |          | 57.73        | 5.00                   | 40.00                     | 7.77           | 49.96                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/28/2008            | --        |          | 57.73        | 5.00                   | 40.00                     | 5.61           | 52.12                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        | j        | 57.73        | 5.00                   | 40.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 57.73        | 5.00                   | 40.00                     | 8.65           | 49.08                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 0.55      | 9.04      |
| 11/19/2008           | --        |          | 57.73        | 5.00                   | 40.00                     | 8.49           | 49.24                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 57.73        | 5.00                   | 40.00                     | 7.07           | 50.66                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>57.73</b> | <b>5.00</b>            | <b>40.00</b>              | <b>6.65</b>    | <b>51.08</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-10</b>          |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 54.26        | 5.00                   | 30.00                     | 10.47          | 43.79                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 9/20/2000            | --        |          | 54.26        | 5.00                   | 30.00                     | 10.76          | 43.50                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/26/2000           | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 3/20/2001            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 9/23/2001            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/31/2001           | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 3/21/2002            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-10 Cont.</b>    |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 4/17/2002            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/12/2002            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/6/2002            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 1/30/2003            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/28/2003            | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/6/2003             | --        |          | 54.26        | 5.00                   | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/14/2003           | --        |          | 54.26        | 5.00                   | 30.00                     | 10.37          | 43.89                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2004           | --        | g        | 59.39        | 5.00                   | 30.00                     | 7.97           | 51.42                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 05/04/2004           | --        |          | 59.39        | 5.00                   | 30.00                     | 8.69           | 50.70                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 09/02/2004           | P         |          | 59.39        | 5.00                   | 30.00                     | 10.55          | 48.84                        | <500                     | <5.0      | <5.0      | <5.0          | <5.0          | 270       | 0.8       | 6.6       |
| 11/10/2004           | --        |          | 59.39        | 5.00                   | 30.00                     | 9.16           | 50.23                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2005           | --        |          | 59.39        | 5.00                   | 30.00                     | 7.90           | 51.49                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 05/09/2005           | --        |          | 59.39        | 5.00                   | 30.00                     | 8.21           | 51.18                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 08/11/2005           | P         | h, i     | 59.39        | 5.00                   | 30.00                     | 10.02          | 49.37                        | 69                       | <0.50     | <0.50     | <0.50         | <0.50         | 97        | 0.9       | 6.6       |
| 11/18/2005           | --        |          | 59.39        | 5.00                   | 30.00                     | 9.86           | 49.53                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/15/2006           | --        |          | 59.39        | 5.00                   | 30.00                     | 7.53           | 51.86                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/30/2006            | --        |          | 59.39        | 5.00                   | 30.00                     | 8.82           | 50.57                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/11/2006            | P         |          | 59.39        | 5.00                   | 30.00                     | 9.88           | 49.51                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 46        | 1.3       | 6.8       |
| 11/1/2006            | --        |          | 59.39        | 5.00                   | 30.00                     | 10.28          | 49.11                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/7/2007             | --        |          | 59.39        | 5.00                   | 30.00                     | 9.50           | 49.89                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/9/2007             | --        |          | 59.39        | 5.00                   | 30.00                     | 8.67           | 50.72                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/7/2007             | NP        |          | 59.39        | 5.00                   | 30.00                     | 10.25          | 49.14                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 8.9       | 0.59      | 6.89      |
| 11/14/2007           | --        |          | 59.39        | 5.00                   | 30.00                     | 9.48           | 49.91                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/28/2008            | --        |          | 59.39        | 5.00                   | 30.00                     | 7.23           | 52.16                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        |          | 59.39        | 5.00                   | 30.00                     | 9.94           | 49.45                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 59.39        | 5.00                   | 30.00                     | 10.30          | 49.09                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 28        | 0.74      | 9.16      |
| 11/19/2008           | --        |          | 59.39        | 5.00                   | 30.00                     | 9.90           | 49.49                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 59.39        | 5.00                   | 30.00                     | 8.74           | 50.65                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>49.39</b> | <b>5.00</b>            | <b>30.00</b>              | <b>8.23</b>    | <b>41.16</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-11</b>          |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments | TOC (feet) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |       | DO (mg/L) | pH   |
|----------------------|------|----------|------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|-------|-----------|------|
|                      |      |          |            |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE  |           |      |
| <b>A-11 Cont.</b>    |      |          |            |                        |                           |                |                              |                          |         |         |               |               |       |           |      |
| 6/21/2000            | --   |          | 53.74      | 5.00                   | 30.00                     | 9.54           | 44.20                        | <50                      | <0.5    | <0.5    | <0.5          | <1.0          | 4     | --        | --   |
| 9/20/2000            | --   |          | 53.74      | 5.00                   | 30.00                     | 10.62          | 43.12                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 12/26/2000           | --   |          | 53.74      | 5.00                   | 30.00                     | 10.03          | 43.71                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 3/20/2001            | --   |          | 53.74      | 5.00                   | 30.00                     | 8.49           | 45.25                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 6/12/2001            | --   |          | 53.74      | 5.00                   | 30.00                     | 10.21          | 43.53                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 9/23/2001            | --   |          | 53.74      | 5.00                   | 30.00                     | 10.77          | 42.97                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 12/31/2001           | --   |          | 53.74      | 5.00                   | 30.00                     | 6.06           | 47.68                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 3/21/2002            | --   |          | 53.74      | 5.00                   | 30.00                     | 7.14           | 46.60                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 4/17/2002            | --   |          | 53.74      | 5.00                   | 30.00                     | 8.41           | 45.33                        | <50                      | <0.5    | <0.5    | <0.5          | <0.5          | <2.5  | --        | --   |
| 8/12/2002            | --   |          | 53.74      | 5.00                   | 30.00                     | 10.25          | 43.49                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 12/6/2002            | P    |          | 53.74      | 5.00                   | 30.00                     | 10.43          | 43.31                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <2.0  | 2.4       | 6.7  |
| 1/30/2003            | --   |          | 53.74      | 5.00                   | 30.00                     | 8.42           | 45.32                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 5/28/2003            | --   |          | 53.74      | 5.00                   | 30.00                     | 9.30           | 44.44                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | 0.53  | 1.8       | 7    |
| 8/6/2003             | --   |          | 53.74      | 5.00                   | 30.00                     | 10.28          | 43.46                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 11/14/2003           | --   |          | 53.74      | 5.00                   | 30.00                     | 10.40          | 43.34                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 02/02/2004           | --   | g        | 59.16      | 5.00                   | 30.00                     | 7.95           | 51.21                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 05/04/2004           | --   |          | 59.16      | 5.00                   | 30.00                     | 8.72           | 50.44                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 09/02/2004           | P    |          | 59.16      | 5.00                   | 30.00                     | 10.44          | 48.72                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 2.6       | 6.6  |
| 11/10/2004           | --   |          | 59.16      | 5.00                   | 30.00                     | 9.20           | 49.96                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 02/02/2005           | --   |          | 59.16      | 5.00                   | 30.00                     | 7.95           | 51.21                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 05/09/2005           | --   |          | 59.16      | 5.00                   | 30.00                     | 8.07           | 51.09                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 08/11/2005           | P    | h        | 59.16      | 5.00                   | 30.00                     | 9.87           | 49.29                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 3.8       | 6.7  |
| 11/18/2005           | --   |          | 59.16      | 5.00                   | 30.00                     | 8.88           | 50.28                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 02/15/2006           | --   |          | 59.16      | 5.00                   | 30.00                     | 7.90           | 51.26                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 5/30/2006            | --   |          | 59.16      | 5.00                   | 30.00                     | 8.78           | 50.38                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 8/11/2006            | P    |          | 59.16      | 5.00                   | 30.00                     | 10.33          | 48.83                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 3.8       | 6.8  |
| 11/1/2006            | --   |          | 59.16      | 5.00                   | 30.00                     | 10.10          | 49.06                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 2/7/2007             | --   |          | 59.16      | 5.00                   | 30.00                     | 9.35           | 49.81                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 5/9/2007             | --   |          | 59.16      | 5.00                   | 30.00                     | 8.48           | 50.68                        | --                       | --      | --      | --            | --            | --    | --        | --   |
| 8/7/2007             | NP   |          | 59.16      | 5.00                   | 30.00                     | 10.10          | 49.06                        | <50                      | <0.50   | <0.50   | <0.50         | <0.50         | <0.50 | 2.67      | 7.07 |
| 11/14/2007           | --   |          | 59.16      | 5.00                   | 30.00                     | 9.31           | 49.85                        | --                       | --      | --      | --            | --            | --    | --        | --   |

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #4931, 731 West MacArthur Blvd., Oakland, CA

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-11 Cont.</b>    |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 2/28/2008            | --        |          | 59.16        | 5.00                   | 30.00                     | 7.12           | 52.04                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        |          | 59.16        | 5.00                   | 30.00                     | 9.77           | 49.39                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 59.16        | 5.00                   | 30.00                     | 10.08          | 49.08                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 0.89      | 8.94      |
| 11/19/2008           | --        |          | 59.16        | 5.00                   | 30.00                     | 9.75           | 49.41                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 59.16        | 5.00                   | 30.00                     | 8.67           | 50.49                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>59.16</b> | <b>5.00</b>            | <b>30.00</b>              | <b>8.20</b>    | <b>50.96</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-12</b>          |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 52.05        | 5.00                   | 30.00                     | 9.28           | 42.77                        | <50                      | <0.5      | <0.5      | <0.5          | <1.0          | 18        | --        | --        |
| 9/20/2000            | --        |          | 52.05        | 5.00                   | 30.00                     | 9.55           | 42.50                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/26/2000           | --        |          | 52.05        | 5.00                   | 30.00                     | 9.05           | 43.00                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 17.3      | --        | --        |
| 3/20/2001            | --        |          | 52.05        | 5.00                   | 30.00                     | 7.92           | 44.13                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 6/12/2001            | --        |          | 52.05        | 5.00                   | 30.00                     | 9.26           | 42.79                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 25        | --        | --        |
| 9/23/2001            | --        |          | 52.05        | 5.00                   | 30.00                     | 9.68           | 42.37                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/31/2001           | --        |          | 52.05        | 5.00                   | 30.00                     | 5.74           | 46.31                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 9.5       | --        | --        |
| 3/21/2002            | --        |          | 52.05        | 5.00                   | 30.00                     | 6.64           | 45.41                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 4/17/2002            | --        |          | 52.05        | 5.00                   | 30.00                     | 7.68           | 44.37                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | 29        | --        | --        |
| 8/12/2002            | --        |          | 52.05        | 5.00                   | 30.00                     | 9.30           | 42.75                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/06/02             | P         | c        | 52.05        | 5.00                   | 30.00                     | 9.38           | 42.67                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 13        | 2.3       | 6.5       |
| 1/30/2003            | --        |          | 52.05        | 5.00                   | 30.00                     | 7.87           | 44.18                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/28/2003            | --        |          | 52.05        | 5.00                   | 30.00                     | 8.51           | 43.54                        | 50                       | <0.50     | <0.50     | <0.50         | <0.50         | 10        | 1.4       | 7         |
| 8/6/2003             | --        |          | 52.05        | 5.00                   | 30.00                     | 9.28           | 42.77                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/14/2003           | --        |          | 52.05        | 5.00                   | 30.00                     | 9.37           | 42.68                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2004           | P         | g        | 57.06        | 5.00                   | 30.00                     | 7.90           | 49.16                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 0.91      | 1.0       | 6.9       |
| 05/04/2004           | --        |          | 57.06        | 5.00                   | 30.00                     | 8.74           | 48.32                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 09/02/2004           | P         |          | 57.06        | 5.00                   | 30.00                     | 9.41           | 47.65                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 6.2       | 1.1       | 6.5       |
| 11/10/2004           | --        |          | 57.06        | 5.00                   | 30.00                     | 8.32           | 48.74                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2005           | P         |          | 57.06        | 5.00                   | 30.00                     | 7.45           | 49.61                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 8.3       | 1.4       | 7.1       |
| 05/09/2005           | --        |          | 57.06        | 5.00                   | 30.00                     | 7.57           | 49.49                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 08/11/2005           | P         | h        | 57.06        | 5.00                   | 30.00                     | 9.05           | 48.01                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 5.4       | 0.9       | 6.4       |
| 11/18/2005           | --        |          | 57.06        | 5.00                   | 30.00                     | 8.90           | 48.16                        | --                       | --        | --        | --            | --            | --        | --        | --        |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-12 Cont.</b>    |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 02/15/2006           | --        |          | 57.06        | 5.00                   | 30.00                     | 7.47           | 49.59                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/30/2006            | --        |          | 57.06        | 5.00                   | 30.00                     | 8.21           | 48.85                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/11/2006            | P         |          | 57.06        | 5.00                   | 30.00                     | 8.85           | 48.21                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | 7.4       | 1.8       | 6.9       |
| 11/1/2006            | --        |          | 57.06        | 5.00                   | 30.00                     | 9.17           | 47.89                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/7/2007             | --        |          | 57.06        | 5.00                   | 30.00                     | 8.58           | 48.48                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/9/2007             | --        |          | 57.06        | 5.00                   | 30.00                     | 7.93           | 49.13                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/7/2007             | NP        |          | 57.06        | 5.00                   | 30.00                     | 9.20           | 47.86                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 1.49      | 7.34      |
| 11/14/2007           | --        |          | 57.06        | 5.00                   | 30.00                     | 8.52           | 48.54                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/28/2008            | --        |          | 57.06        | 5.00                   | 30.00                     | 7.04           | 50.02                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        |          | 57.06        | 5.00                   | 30.00                     | 9.00           | 48.06                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | NP        |          | 57.06        | 5.00                   | 30.00                     | 9.38           | 47.68                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 1.03      | 8.39      |
| 11/19/2008           | --        |          | 57.06        | 5.00                   | 30.00                     | 9.01           | 48.05                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 57.06        | 5.00                   | 30.00                     | 8.10           | 48.96                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>57.06</b> | <b>5.00</b>            | <b>30.00</b>              | <b>7.80</b>    | <b>49.26</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>A-13</b>          |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 9/20/2000            | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/26/2000           | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 3/20/2001            | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 6/12/2001            | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 9/23/2001            | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/31/2001           | --        |          | 55.11        | 10.00                  | 10.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 3/21/2002            | --        |          | 55.11        | 10.00                  | 10.00                     | 6.70           | 48.41                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 4/17/2002            | --        |          | 55.11        | 10.00                  | 10.00                     | 7.95           | 47.16                        | <50                      | <0.5      | <0.5      | <0.5          | <0.5          | <2.5      | --        | --        |
| 8/12/2002            | --        |          | 55.11        | 10.00                  | 10.00                     | 10.11          | 45.00                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/6/2002            | --        |          | 55.11        | 10.00                  | 10.00                     | 10.26          | 44.85                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 1/30/2003            | --        |          | 55.11        | 10.00                  | 10.00                     | 7.81           | 47.30                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/28/2003            | --        |          | 55.11        | 10.00                  | 10.00                     | 9.06           | 46.05                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 1.9       | 6.5       |
| 8/6/2003             | --        |          | 55.11        | 10.00                  | 10.00                     | 10.22          | 44.89                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/14/2003           | --        |          | 55.11        | 10.00                  | 10.00                     | 10.27          | 44.84                        | --                       | --        | --        | --            | --            | --        | --        | --        |

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**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP      | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |           |           |               |               |           | DO (mg/L) | pH        |
|----------------------|-----------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|
|                      |           |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene   | Toluene   | Ethyl-Benzene | Total Xylenes | MTBE      |           |           |
| <b>A-13 Cont.</b>    |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 02/02/2004           | --        | g        | 60.26        | 10.00                  | 10.00                     | 7.92           | 52.34                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 05/04/2004           | --        |          | 60.26        | 10.00                  | 10.00                     | 10.06          | 50.20                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 09/02/2004           | P         |          | 60.26        | 10.00                  | 10.00                     | 10.34          | 49.92                        | <50                      | <0.50     | <0.50     | <0.50         | <0.50         | <0.50     | 2.0       | 6.6       |
| 11/10/2004           | --        |          | 60.26        | 10.00                  | 10.00                     | 8.95           | 51.31                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/02/2005           | --        |          | 60.26        | 10.00                  | 10.00                     | 7.28           | 52.98                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 05/09/2005           | --        |          | 60.26        | 10.00                  | 10.00                     | 7.85           | 52.41                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 08/11/2005           | --        |          | 60.26        | 10.00                  | 10.00                     | 9.70           | 50.56                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/18/2005           | --        |          | 60.26        | 10.00                  | 10.00                     | 9.27           | 50.99                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 02/15/2006           | --        |          | 60.26        | 10.00                  | 10.00                     | 7.24           | 53.02                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/30/2006            | --        |          | 60.26        | 10.00                  | 10.00                     | 8.38           | 51.88                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/11/2006            | --        |          | 60.26        | 10.00                  | 10.00                     | 9.55           | 50.71                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/1/2006            | --        |          | 60.26        | 10.00                  | 10.00                     | 9.98           | 50.28                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/7/2007             | --        |          | 60.26        | 10.00                  | 10.00                     | 9.07           | 51.19                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/9/2007             | --        |          | 60.26        | 10.00                  | 10.00                     | 8.15           | 52.11                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/7/2007             | --        |          | 60.26        | 10.00                  | 10.00                     | 10.05          | 50.21                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/14/2007           | --        |          | 60.26        | 10.00                  | 10.00                     | 9.20           | 51.06                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/28/2008            | --        |          | 60.26        | 10.00                  | 10.00                     | 6.82           | 53.44                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 5/23/2008            | --        |          | 60.26        | 10.00                  | 10.00                     | 9.67           | 50.59                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 8/13/2008            | --        |          | 60.26        | 10.00                  | 10.00                     | 10.17          | 50.09                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 11/19/2008           | --        |          | 60.26        | 10.00                  | 10.00                     | 9.63           | 50.63                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 2/10/2009            | --        |          | 60.26        | 10.00                  | 10.00                     | 8.48           | 51.78                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| <b>5/7/2009</b>      | <b>--</b> |          | <b>60.26</b> | <b>10.00</b>           | <b>10.00</b>              | <b>7.97</b>    | <b>52.29</b>                 | <b>--</b>                | <b>--</b> | <b>--</b> | <b>--</b>     | <b>--</b>     | <b>--</b> | <b>--</b> | <b>--</b> |
| <b>AR-1</b>          |           |          |              |                        |                           |                |                              |                          |           |           |               |               |           |           |           |
| 6/21/2000            | --        |          | 54.72        | 10.00                  | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 9/20/2000            | --        |          | 54.72        | 10.00                  | 30.00                     | --             | --                           | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/26/2000           | --        |          | 54.72        | 10.00                  | 30.00                     | 9.95           | 44.77                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 3/20/2001            | --        |          | 54.72        | 10.00                  | 30.00                     | 8.34           | 46.38                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 6/12/2001            | --        |          | 54.72        | 10.00                  | 30.00                     | 10.17          | 44.55                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 9/23/2001            | --        |          | 54.72        | 10.00                  | 30.00                     | 10.72          | 44.00                        | --                       | --        | --        | --            | --            | --        | --        | --        |
| 12/31/2001           | --        |          | 54.72        | 10.00                  | 30.00                     | 5.91           | 48.81                        | --                       | --        | --        | --            | --            | --        | --        | --        |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**

**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |      | DO (mg/L) | pH |
|----------------------|------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|------|-----------|----|
|                      |      |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE |           |    |
| <b>AR-1 Cont.</b>    |      |          |              |                        |                           |                |                              |                          |         |         |               |               |      |           |    |
| 3/21/2002            | --   |          | 54.72        | 10.00                  | 30.00                     | 7.00           | 47.72                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 4/17/2002            | --   |          | 54.72        | 10.00                  | 30.00                     | 8.33           | 46.39                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/12/2002            | --   |          | 54.72        | 10.00                  | 30.00                     | 10.18          | 44.54                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/6/2002            | --   |          | 54.72        | 10.00                  | 30.00                     | 10.21          | 44.51                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 1/30/2003            | --   |          | 54.72        | 10.00                  | 30.00                     | 8.22           | 46.50                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/28/2003            | --   |          | 54.72        | 10.00                  | 30.00                     | 9.62           | 45.10                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/6/2003             | --   |          | 54.72        | 10.00                  | 30.00                     | 10.47          | 44.25                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/14/2003           | --   | d        | 54.72        | 10.00                  | 30.00                     | 10.40          | 44.32                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/02/2004           | --   | d, g     | 59.52        | 10.00                  | 30.00                     | 7.96           | 51.56                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 05/04/2004           | --   | d        | 59.52        | 10.00                  | 30.00                     | 10.17          | 49.35                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 09/02/2004           | --   |          | 59.52        | 10.00                  | 30.00                     | 10.28          | 49.24                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/10/2004           | --   |          | 59.52        | 10.00                  | 30.00                     | 9.15           | 50.37                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/02/2005           | --   |          | 59.52        | 10.00                  | 30.00                     | 7.80           | 51.72                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 05/09/2005           | --   |          | 59.52        | 10.00                  | 30.00                     | 7.03           | 52.49                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 08/11/2005           | --   |          | 59.52        | 10.00                  | 30.00                     | 9.82           | 49.70                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/18/2005           | --   |          | 59.52        | 10.00                  | 30.00                     | 9.83           | 49.69                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/15/2006           | --   |          | 59.52        | 10.00                  | 30.00                     | 7.78           | 51.74                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/30/2006            | --   |          | 59.52        | 10.00                  | 30.00                     | 8.65           | 50.87                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/11/2006            | --   |          | 59.52        | 10.00                  | 30.00                     | 9.69           | 49.83                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/1/2006            | --   |          | 59.52        | 10.00                  | 30.00                     | 10.07          | 49.45                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/7/2007             | --   |          | 59.52        | 10.00                  | 30.00                     | 9.33           | 50.19                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/9/2007             | --   |          | 59.52        | 10.00                  | 30.00                     | 8.45           | 51.07                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/7/2007             | --   |          | 59.52        | 10.00                  | 30.00                     | 10.12          | 49.40                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/14/2007           | --   |          | 59.52        | 10.00                  | 30.00                     | 9.31           | 50.21                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/28/2008            | --   |          | 59.52        | 10.00                  | 30.00                     | 7.05           | 52.47                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/23/2008            | --   | j        | 59.52        | 10.00                  | 30.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/13/2008            | --   |          | 59.52        | 10.00                  | 30.00                     | 10.20          | 49.32                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/19/2008           | --   |          | 59.52        | 10.00                  | 30.00                     | 9.73           | 49.79                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/10/2009            | --   |          | 59.52        | 10.00                  | 30.00                     | 8.61           | 50.91                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| <b>5/7/2009</b>      | --   |          | <b>59.52</b> | <b>10.00</b>           | <b>30.00</b>              | <b>8.17</b>    | <b>51.35</b>                 | --                       | --      | --      | --            | --            | --   | --        | -- |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments | TOC (feet) | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |      | DO (mg/L) | pH |
|----------------------|------|----------|------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|------|-----------|----|
|                      |      |          |            |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE |           |    |
| <b>AR-2</b>          |      |          |            |                        |                           |                |                              |                          |         |         |               |               |      |           |    |
| 6/21/2000            | --   |          | 54.77      | 8.00                   | 28.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 9/20/2000            | --   |          | 54.77      | 8.00                   | 28.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/26/2000           | --   |          | 54.77      | 8.00                   | 28.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 3/20/2001            | --   |          | 54.77      | 8.00                   | 28.00                     | 3.13           | 51.64                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 6/12/2001            | --   |          | 54.77      | 8.00                   | 28.00                     | 4.51           | 50.26                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 9/23/2001            | --   |          | 54.77      | 8.00                   | 28.00                     | 6.05           | 48.72                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/31/2001           | --   |          | 54.77      | 8.00                   | 28.00                     | 2.79           | 51.98                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 3/21/2002            | --   |          | 54.77      | 8.00                   | 28.00                     | 7.75           | 47.02                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 4/17/2002            | --   |          | 54.77      | 8.00                   | 28.00                     | 2.24           | 52.53                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/12/2002            | --   |          | 54.77      | 8.00                   | 28.00                     | 4.93           | 49.84                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/6/2002            | --   |          | 54.77      | 8.00                   | 28.00                     | 6.09           | 48.68                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 1/30/2003            | --   |          | 54.77      | 8.00                   | 28.00                     | 3.89           | 50.88                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/28/2003            | --   |          | 54.77      | 8.00                   | 28.00                     | 3.33           | 51.44                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/6/2003             | --   |          | 54.77      | 8.00                   | 28.00                     | 5.05           | 49.72                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/14/2003           | --   |          | 54.77      | 8.00                   | 28.00                     | 6.01           | 48.76                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/02/2004           | --   | g        | 59.18      | 8.00                   | 28.00                     | 3.88           | 55.30                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 05/04/2004           | --   |          | 59.18      | 8.00                   | 28.00                     | 6.01           | 53.17                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 09/02/2004           | --   |          | 59.18      | 8.00                   | 28.00                     | 5.65           | 53.53                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/10/2004           | --   |          | 59.18      | 8.00                   | 28.00                     | 5.48           | 53.70                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/02/2005           | --   |          | 59.18      | 8.00                   | 28.00                     | 2.62           | 56.56                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 05/09/2005           | --   |          | 59.18      | 8.00                   | 28.00                     | 2.84           | 56.34                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 08/11/2005           | --   |          | 59.18      | 8.00                   | 28.00                     | 4.33           | 54.85                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/18/2005           | --   |          | 59.18      | 8.00                   | 28.00                     | 5.34           | 53.84                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/15/2006           | --   |          | 59.18      | 8.00                   | 28.00                     | 2.49           | 56.69                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/30/2006            | --   |          | 59.18      | 8.00                   | 28.00                     | 3.02           | 56.16                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/11/2006            | --   |          | 59.18      | 8.00                   | 28.00                     | 4.32           | 54.86                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/1/2006            | --   |          | 59.18      | 8.00                   | 28.00                     | 5.25           | 53.93                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/7/2007             | --   |          | 59.18      | 8.00                   | 28.00                     | 4.64           | 54.54                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/9/2007             | --   |          | 59.18      | 8.00                   | 28.00                     | 3.15           | 56.03                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/7/2007             | --   |          | 59.18      | 8.00                   | 28.00                     | 4.55           | 54.63                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/14/2007           | --   |          | 59.18      | 8.00                   | 28.00                     | 5.03           | 54.15                        | --                       | --      | --      | --            | --            | --   | --        | -- |



Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #4931, 731 West MacArthur Blvd., Oakland, CA

| Well and Sample Date | P/NP | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |      | DO (mg/L) | pH |
|----------------------|------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|------|-----------|----|
|                      |      |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE |           |    |
| <b>AR-2 Cont.</b>    |      |          |              |                        |                           |                |                              |                          |         |         |               |               |      |           |    |
| 2/28/2008            | --   |          | 59.18        | 8.00                   | 28.00                     | 1.82           | 57.36                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/23/2008            | --   | j        | 59.18        | 8.00                   | 28.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/13/2008            | --   |          | 59.18        | 8.00                   | 28.00                     | 5.05           | 54.13                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/19/2008           | --   |          | 59.18        | 8.00                   | 28.00                     | 5.49           | 53.69                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/10/2009            | --   |          | 59.18        | 8.00                   | 28.00                     | 5.10           | 54.08                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| <b>5/7/2009</b>      | --   |          | <b>59.18</b> | <b>8.00</b>            | <b>28.00</b>              | <b>2.90</b>    | <b>56.28</b>                 | --                       | --      | --      | --            | --            | --   | --        | -- |
| <b>AR-3</b>          |      |          |              |                        |                           |                |                              |                          |         |         |               |               |      |           |    |
| 6/21/2000            | --   |          | 54.19        | 10.00                  | 30.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 9/20/2000            | --   |          | 54.19        | 10.00                  | 30.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/26/2000           | --   |          | 54.19        | 10.00                  | 30.00                     | 9.70           | 44.49                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 3/20/2001            | --   |          | 54.19        | 10.00                  | 30.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 6/12/2001            | --   |          | 54.19        | 10.00                  | 30.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 9/23/2001            | --   |          | 54.19        | 10.00                  | 30.00                     | 10.43          | 43.76                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/31/2001           | --   |          | 54.19        | 10.00                  | 30.00                     | 5.18           | 49.01                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 3/21/2002            | --   |          | 54.19        | 10.00                  | 30.00                     | 6.78           | 47.41                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 4/17/2002            | --   |          | 54.19        | 10.00                  | 30.00                     | 8.06           | 46.13                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/12/2002            | --   |          | 54.19        | 10.00                  | 30.00                     | 9.94           | 44.25                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 12/6/2002            | --   |          | 54.19        | 10.00                  | 30.00                     | 9.99           | 44.20                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 1/30/2003            | --   |          | 54.19        | 10.00                  | 30.00                     | 7.96           | 46.23                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/28/2003            | --   |          | 54.19        | 10.00                  | 30.00                     | 8.94           | 45.25                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/6/2003             | --   |          | 54.19        | 10.00                  | 30.00                     | 9.94           | 44.25                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/14/2003           | --   |          | 54.19        | 10.00                  | 30.00                     | 10.03          | 44.16                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/02/2004           | --   | g        | 59.10        | 10.00                  | 30.00                     | 6.90           | 52.20                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 05/04/2004           | --   |          | 59.10        | 10.00                  | 30.00                     | 9.12           | 49.98                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 09/02/2004           | --   |          | 59.10        | 10.00                  | 30.00                     | 10.15          | 48.95                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/10/2004           | --   |          | 59.10        | 10.00                  | 30.00                     | 8.79           | 50.31                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 02/02/2005           | --   |          | 59.10        | 10.00                  | 30.00                     | 7.30           | 51.80                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 05/09/2005           | --   |          | 59.10        | 10.00                  | 30.00                     | 7.71           | 51.39                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 08/11/2005           | --   |          | 59.10        | 10.00                  | 30.00                     | 9.54           | 49.56                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/18/2005           | --   |          | 59.10        | 10.00                  | 30.00                     | 9.43           | 49.67                        | --                       | --      | --      | --            | --            | --   | --        | -- |

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | P/NP | Comments | TOC (feet)   | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | DTW (feet bgs) | Water Level Elevation (feet) | Concentrations in (µg/L) |         |         |               |               |      | DO (mg/L) | pH |
|----------------------|------|----------|--------------|------------------------|---------------------------|----------------|------------------------------|--------------------------|---------|---------|---------------|---------------|------|-----------|----|
|                      |      |          |              |                        |                           |                |                              | GRO/TPHg                 | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MTBE |           |    |
| <b>AR-3 Cont.</b>    |      |          |              |                        |                           |                |                              |                          |         |         |               |               |      |           |    |
| 02/15/2006           | --   |          | 59.10        | 10.00                  | 30.00                     | 7.50           | 51.60                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/30/2006            | --   |          | 59.10        | 10.00                  | 30.00                     | 8.82           | 50.28                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/11/2006            | --   |          | 59.10        | 10.00                  | 30.00                     | 9.38           | 49.72                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/1/2006            | --   |          | 59.10        | 10.00                  | 30.00                     | 9.75           | 49.35                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/7/2007             | --   |          | 59.10        | 10.00                  | 30.00                     | 9.00           | 50.10                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/9/2007             | --   |          | 59.10        | 10.00                  | 30.00                     | 8.12           | 50.98                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/7/2007             | --   |          | 59.10        | 10.00                  | 30.00                     | 9.75           | 49.35                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/14/2007           | --   |          | 59.10        | 10.00                  | 30.00                     | 8.91           | 50.19                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/28/2008            | --   |          | 59.10        | 10.00                  | 30.00                     | 6.73           | 52.37                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 5/23/2008            | --   | j        | 59.10        | 10.00                  | 30.00                     | --             | --                           | --                       | --      | --      | --            | --            | --   | --        | -- |
| 8/13/2008            | --   |          | 59.10        | 10.00                  | 30.00                     | 9.85           | 49.25                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 11/19/2008           | --   |          | 59.10        | 10.00                  | 30.00                     | 9.35           | 49.75                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| 2/10/2009            | --   |          | 59.10        | 10.00                  | 30.00                     | 8.29           | 50.81                        | --                       | --      | --      | --            | --            | --   | --        | -- |
| <b>5/7/2009</b>      | --   |          | <b>59.10</b> | <b>10.00</b>           | <b>30.00</b>              | <b>7.83</b>    | <b>51.27</b>                 | --                       | --      | --      | --            | --            | --   | --        | -- |

SYMBOLS AND ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available  
< = Not detected at or above laboratory reporting limit  
DO = Dissolved oxygen  
DTW = Depth to water in ft bgs  
ft bgs = feet below ground surface  
GRO = Gasoline range organics  
GWE = Groundwater elevation measured in ft  
mg/L = Milligrams per liter  
MTBE = Methyl tert butyl ether  
NP = Not purged prior to sampling  
P = Purged prior to sampling  
TOC = Top of casing measured in ft  
TPH-g = Total petroleum hydrocarbons as gasoline  
µg/L = Micrograms per liter  
BTEX = Benzene, toluene, ethylbenzene and xylenes

FOOTNOTES:

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

NOTES:

Top and bottom of screen measurements for wells A-2 through A-5 were estimated from the EMCON sampling sheet.

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

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

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

Values for DO and pH were obtained through field measurements.

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 2. Summary of Fuel Additives Analytical Data  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | Concentrations in (µg/L) |        |       |       |       |       |         |       | Comments |
|----------------------|--------------------------|--------|-------|-------|-------|-------|---------|-------|----------|
|                      | Ethanol                  | TBA    | MTBE  | DIPE  | ETBE  | TAME  | 1,2-DCA | EDB   |          |
| <b>A-2</b>           |                          |        |       |       |       |       |         |       |          |
| 1/30/2003            | <40                      | <20    | --    | <0.50 | <0.50 | <0.50 | --      | --    | a        |
| 5/28/2003            | <100                     | <20    | 1.1   | <0.50 | <0.50 | <0.50 | --      | --    |          |
| 8/6/2003             | <100                     | <20    | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 09/02/2004           | <100                     | <20    | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 08/11/2005           | <100                     | <20    | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 8/11/2006            | <300                     | <20    | 3.6   | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 8/7/2007             | <300                     | <20    | 3.4   | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 | b        |
| 8/13/2008            | <300                     | <10    | 19    | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| <b>A-3</b>           |                          |        |       |       |       |       |         |       |          |
| 5/28/2003            | <100                     | <20    | 43    | <0.50 | <0.50 | 24    | --      | --    |          |
| 02/02/2004           | <100                     | <20    | 13    | <0.50 | <0.50 | 4.6   | <0.50   | <0.50 |          |
| 09/02/2004           | <500                     | <100   | 62    | <2.5  | <2.5  | 15    | <2.5    | <2.5  |          |
| 02/02/2005           | <100                     | <20    | 6.8   | <0.50 | <0.50 | 2.4   | <0.50   | <0.50 | b        |
| 08/11/2005           | <100                     | <20    | 39    | <0.50 | <0.50 | 4.2   | <0.50   | <0.50 |          |
| 02/15/2006           | <300                     | <20    | 2.2   | <0.50 | <0.50 | 0.58  | <0.50   | <0.50 |          |
| 8/11/2006            | <300                     | <20    | 4.1   | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 2/7/2007             | <300                     | <20    | 0.58  | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 8/7/2007             | <300                     | <20    | 3.9   | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 | b        |
| 2/28/2008            | <300                     | <10    | 0.58  | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 8/13/2008            | <300                     | <10    | 0.55  | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 2/10/2009            | <300                     | <10    | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| <b>A-4</b>           |                          |        |       |       |       |       |         |       |          |
| 1/30/2003            | <4,000                   | <2,000 | 2,100 | <50   | <50   | 530   | --      | --    | a        |
| 5/28/2003            | <10,000                  | <2,000 | 2,500 | <50   | <50   | 590   | --      | --    |          |
| 8/6/2003             | <5,000                   | <1,000 | 2,500 | <25   | <25   | 560   | <25     | <25   |          |
| 11/14/2003           | <1,000                   | 320    | 310   | <5.0  | <5.0  | 76    | --      | --    |          |
| 02/02/2004           | <5,000                   | <1,000 | 1,500 | <25   | <25   | 350   | <25     | <25   |          |
| 05/04/2004           | <10,000                  | <2,000 | 2,300 | <50   | <50   | 510   | <50     | <50   |          |
| 09/02/2004           | <5,000                   | 1,200  | 1,200 | <25   | <25   | 280   | <25     | <25   |          |
| 11/10/2004           | <2,000                   | 910    | 1,100 | <10   | <10   | 270   | <10     | <10   |          |

**Table 2. Summary of Fuel Additives Analytical Data  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | Concentrations in (µg/L) |           |            |                 |                 |            |                 |                 | Comments |
|----------------------|--------------------------|-----------|------------|-----------------|-----------------|------------|-----------------|-----------------|----------|
|                      | Ethanol                  | TBA       | MTBE       | DIPE            | ETBE            | TAME       | 1,2-DCA         | EDB             |          |
| <b>A-4 Cont.</b>     |                          |           |            |                 |                 |            |                 |                 |          |
| 02/02/2005           | <2,000                   | 2,100     | 1,700      | <10             | <10             | 430        | <10             | <10             | b        |
| 05/09/2005           | <10,000                  | 2,000     | 1,800      | <50             | <50             | 460        | <50             | <50             |          |
| 08/11/2005           | <2,000                   | 2,400     | 1,200      | <10             | <10             | 310        | <10             | <10             |          |
| 11/18/2005           | <500                     | 1,400     | 310        | <2.5            | <2.5            | 98         | <2.5            | <2.5            | b        |
| 02/15/2006           | <1,500                   | 2,700     | 910        | <2.5            | <2.5            | 270        | <2.5            | <2.5            |          |
| 5/30/2006            | <6,000                   | 3,000     | 1,200      | <10             | <10             | 340        | <10             | <10             |          |
| 8/11/2006            | <6,000                   | 3,200     | 1,200      | <10             | <10             | 350        | <10             | <10             |          |
| 11/1/2006            | <6,000                   | 1,700     | 360        | <10             | <10             | 95         | <10             | --              | b        |
| 2/7/2007             | <6,000                   | 3,000     | 1,500      | <10             | <10             | 460        | <10             | <10             |          |
| 5/9/2007             | <6,000                   | 2,200     | 340        | <10             | <10             | 91         | <10             | <10             |          |
| 8/7/2007             | <3,000                   | 1,800     | 510        | <5.0            | <5.0            | 140        | <5.0            | <5.0            | b        |
| 11/14/2007           | <300                     | 600       | 280        | <0.50           | <0.50           | 90         | <0.50           | <0.50           |          |
| 2/28/2008            | <300                     | 1,600     | 350        | <0.50           | <0.50           | 73         | <0.50           | <0.50           |          |
| 5/23/2008            | <12,000                  | 2,500     | 1,000      | <20             | <20             | 270        | <20             | <20             |          |
| 8/13/2008            | <6,000                   | 3,200     | 530        | <10             | <10             | 190        | <10             | <10             |          |
| 11/19/2008           | <6,000                   | 2,000     | 430        | <10             | <10             | 140        | <10             | <10             |          |
| 2/10/2009            | <6,000                   | 2,300     | 400        | <10             | <10             | 120        | <10             | <10             |          |
| <b>5/7/2009</b>      | <b>&lt;300</b>           | <b>11</b> | <b>9.9</b> | <b>&lt;0.50</b> | <b>&lt;0.50</b> | <b>2.0</b> | <b>&lt;0.50</b> | <b>&lt;0.50</b> |          |
| <b>A-5</b>           |                          |           |            |                 |                 |            |                 |                 |          |
| 5/28/2003            | <10,000                  | <2,000    | 1,500      | <50             | <50             | 620        | --              | --              |          |
| 02/02/2004           | <500                     | 170       | 140        | <2.5            | <2.5            | 54         | <2.5            | <2.5            |          |
| 09/02/2004           | <500                     | 150       | 66         | <2.5            | <2.5            | 29         | <2.5            | <2.5            |          |
| 02/02/2005           | <100                     | 840       | 17         | <0.50           | <0.50           | 7.6        | <0.50           | <0.50           |          |
| 08/11/2005           | <100                     | 530       | 6.8        | <0.50           | <0.50           | 7.1        | <0.50           | <0.50           |          |
| 02/15/2006           | <300                     | 460       | 5.1        | <0.50           | <0.50           | 4.2        | <0.50           | <0.50           |          |
| 8/11/2006            | <300                     | 1,100     | 12         | <0.50           | <0.50           | 5.0        | <0.50           | <0.50           |          |
| 2/7/2007             | <300                     | 600       | 1.5        | <0.50           | <0.50           | <0.50      | <0.50           | <0.50           |          |
| 8/7/2007             | <300                     | 79        | 0.81       | <0.50           | <0.50           | <0.50      | <0.50           | <0.50           | b        |
| 2/28/2008            | <300                     | 230       | 0.97       | <0.50           | <0.50           | <0.50      | <0.50           | <0.50           |          |
| 8/13/2008            | <300                     | 33        | 0.69       | <0.50           | <0.50           | <0.50      | <0.50           | <0.50           |          |
| 2/10/2009            | <300                     | 18        | 1.6        | <0.50           | <0.50           | 0.59       | <0.50           | <0.50           |          |

**Table 2. Summary of Fuel Additives Analytical Data  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | Concentrations in (µg/L) |        |       |       |       |       |         |       | Comments          |
|----------------------|--------------------------|--------|-------|-------|-------|-------|---------|-------|-------------------|
|                      | Ethanol                  | TBA    | MTBE  | DIPE  | ETBE  | TAME  | 1,2-DCA | EDB   |                   |
| <b>A-6</b>           |                          |        |       |       |       |       |         |       |                   |
| 11/14/2003           | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| 02/02/2004           | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| 05/04/2004           | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| 09/02/2004           | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| 11/10/2004           | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| 8/11/2005            | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| 8/11/2006            | --                       | --     | --    | --    | --    | --    | --      | --    | Well inaccessible |
| <b>A-7</b>           |                          |        |       |       |       |       |         |       |                   |
| 5/28/2003            | <100                     | <20    | 3.8   | <0.50 | <0.50 | 0.94  | --      | --    |                   |
| 09/02/2004           | <100                     | <20    | 8.9   | <0.50 | <0.50 | 3.0   | <0.50   | <0.50 |                   |
| 08/11/2005           | <100                     | <20    | 18    | <0.50 | <0.50 | 4.4   | <0.50   | <0.50 |                   |
| 8/11/2006            | <300                     | <20    | 3.6   | <0.50 | <0.50 | 0.91  | 0.54    | <0.50 |                   |
| 8/7/2007             | <300                     | <20    | 2.7   | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 | b                 |
| 8/13/2008            | <300                     | <10    | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |                   |
| <b>A-8</b>           |                          |        |       |       |       |       |         |       |                   |
| 1/30/2003            | <8,000                   | <4,000 | 2,200 | <100  | <100  | 900   | --      | --    | a                 |
| 5/28/2003            | <10,000                  | <2,000 | 2,100 | <50   | <50   | 1,100 | --      | --    |                   |
| 8/6/2003             | <10,000                  | <2,000 | 3,000 | <50   | <50   | 1,200 | <50     | <50   |                   |
| 11/14/2003           | <1,000                   | <200   | 850   | <5.0  | <5.0  | 320   | --      | --    |                   |
| 02/02/2004           | <5,000                   | <1,000 | 1,100 | <25   | <25   | 380   | <25     | <25   |                   |
| 05/04/2004           | <10,000                  | <2,000 | 1,600 | <50   | <50   | 440   | <50     | <50   |                   |
| 09/02/2004           | <5,000                   | <1,000 | 680   | <25   | <25   | 170   | <25     | <25   |                   |
| 11/10/2004           | <500                     | <100   | 290   | <2.5  | <2.5  | 66    | <2.5    | <2.5  |                   |
| 02/02/2005           | <5,000                   | <1,000 | 1,900 | <25   | <25   | 510   | <25     | <25   | b                 |
| 05/09/2005           | <100                     | <20    | 66    | <0.50 | <0.50 | 2.9   | <0.50   | <0.50 |                   |
| 08/11/2005           | <2,500                   | <500   | 1,100 | <12   | <12   | 310   | <12     | <12   |                   |
| 11/18/2005           | <1,000                   | <200   | 340   | <5.0  | <5.0  | 120   | <5.0    | <5.0  | b                 |
| 02/15/2006           | <6,000                   | 880    | 1,100 | <10   | <10   | 330   | <10     | <10   |                   |
| 5/30/2006            | <1,500                   | <100   | 140   | <2.5  | <2.5  | 43    | <2.5    | <2.5  |                   |
| 8/11/2006            | <3,000                   | <200   | 290   | <5.0  | <5.0  | 92    | <5.0    | <5.0  |                   |

**Table 2. Summary of Fuel Additives Analytical Data  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and Sample Date | Concentrations in (µg/L) |           |           |                |                |            |                |                | Comments |
|----------------------|--------------------------|-----------|-----------|----------------|----------------|------------|----------------|----------------|----------|
|                      | Ethanol                  | TBA       | MTBE      | DIPE           | ETBE           | TAME       | 1,2-DCA        | EDB            |          |
| <b>A-8 Cont.</b>     |                          |           |           |                |                |            |                |                |          |
| 11/1/2006            | <3,000                   | 1,200     | 910       | <5.0           | <5.0           | 250        | <5.0           | <5.0           |          |
| 2/7/2007             | <15,000                  | <1,000    | 1,200     | <25            | <25            | 330        | <25            | <25            |          |
| 5/9/2007             | <1,500                   | <100      | 55        | <2.5           | <2.5           | 16         | <2.5           | <2.5           |          |
| 8/7/2007             | <1,500                   | 140       | 430       | <2.5           | <2.5           | 160        | <2.5           | <2.5           | b        |
| 11/14/2007           | <300                     | 28        | 100       | <0.50          | <0.50          | 44         | <0.50          | <0.50          |          |
| 2/28/2008            | <3,000                   | 230       | 220       | <5.0           | <5.0           | 72         | <5.0           | <5.0           |          |
| 5/23/2008            | --                       | --        | --        | --             | --             | --         | --             | --             | c        |
| 8/13/2008            | <15,000                  | <500      | 250       | <25            | <25            | 86         | <25            | <25            |          |
| 11/19/2008           | <12,000                  | <400      | 230       | <20            | <20            | 100        | <20            | <20            |          |
| 2/10/2009            | <15,000                  | <500      | 320       | <25            | <25            | 120        | <25            | <25            |          |
| <b>5/7/2009</b>      | <b>&lt;600</b>           | <b>20</b> | <b>12</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>3.3</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> |          |
| <b>A-9</b>           |                          |           |           |                |                |            |                |                |          |
| 1/30/2003            | <40                      | <20       | 1.1       | <0.50          | <0.50          | <0.50      | --             | --             |          |
| 5/28/2003            | <100                     | <20       | 0.74      | <0.50          | <0.50          | <0.50      | --             | --             |          |
| 8/6/2003             | <100                     | <20       | 1.8       | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |
| 09/02/2004           | <100                     | <20       | <0.50     | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |
| 08/11/2005           | <100                     | <20       | 1.5       | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |
| 8/11/2006            | <300                     | <20       | 1.6       | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |
| 8/7/2007             | <300                     | <20       | 0.64      | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          | b        |
| 8/13/2008            | <300                     | <10       | <0.50     | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |
| <b>A-10</b>          |                          |           |           |                |                |            |                |                |          |
| 09/02/2004           | <1,000                   | <200      | 270       | <5.0           | <5.0           | 44         | <5.0           | <5.0           |          |
| 08/11/2005           | <100                     | <20       | 97        | <0.50          | <0.50          | 14         | <0.50          | <0.50          |          |
| 8/11/2006            | <300                     | <20       | 46        | <0.50          | <0.50          | 7.3        | <0.50          | <0.50          |          |
| 8/7/2007             | <300                     | <20       | 8.9       | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          | b        |
| 8/13/2008            | <300                     | <10       | 28        | <0.50          | <0.50          | 6.9        | <0.50          | <0.50          |          |
| <b>A-11</b>          |                          |           |           |                |                |            |                |                |          |
| 5/28/2003            | <100                     | <20       | 0.53      | <0.50          | <0.50          | <0.50      | --             | --             |          |
| 09/02/2004           | <100                     | <20       | <0.50     | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |
| 08/11/2005           | <100                     | <20       | <0.50     | <0.50          | <0.50          | <0.50      | <0.50          | <0.50          |          |

**Table 2. Summary of Fuel Additives Analytical Data  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| Well and<br>Sample Date | Concentrations in (µg/L) |     |       |       |       |       |         |       | Comments |
|-------------------------|--------------------------|-----|-------|-------|-------|-------|---------|-------|----------|
|                         | Ethanol                  | TBA | MTBE  | DIPE  | ETBE  | TAME  | 1,2-DCA | EDB   |          |
| <b>A-11 Cont.</b>       |                          |     |       |       |       |       |         |       |          |
| 8/11/2006               | <300                     | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 8/7/2007                | <300                     | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 | b        |
| 8/13/2008               | <300                     | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| <b>A-12</b>             |                          |     |       |       |       |       |         |       |          |
| 5/28/2003               | <100                     | <20 | 10    | <0.50 | <0.50 | 2.5   | --      | --    |          |
| 02/02/2004              | <100                     | <20 | 0.91  | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| 09/02/2004              | <100                     | <20 | 6.2   | <0.50 | <0.50 | 1.7   | <0.50   | <0.50 |          |
| 02/02/2005              | <100                     | <20 | 8.3   | <0.50 | <0.50 | 2.2   | <0.50   | <0.50 | b        |
| 08/11/2005              | <100                     | <20 | 5.4   | <0.50 | <0.50 | 1.1   | <0.50   | <0.50 |          |
| 8/11/2006               | <300                     | <20 | 7.4   | <0.50 | <0.50 | 2.5   | <0.50   | <0.50 |          |
| 8/7/2007                | <300                     | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 | b        |
| 8/13/2008               | <300                     | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| <b>A-13</b>             |                          |     |       |       |       |       |         |       |          |
| 5/28/2003               | <100                     | <20 | <0.50 | <0.50 | <0.50 | <0.50 | --      | --    |          |
| 09/02/2004              | <100                     | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50   | <0.50 |          |
| <b>AR-1</b>             |                          |     |       |       |       |       |         |       |          |
| <b>AR-2</b>             |                          |     |       |       |       |       |         |       |          |
| <b>AR-3</b>             |                          |     |       |       |       |       |         |       |          |



ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available

< = Not detected at or above the laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = Micrograms per Liter

FOOTNOTES:

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

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

c = Well Inaccessible.

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 3. Historical Ground-Water Flow Direction and Gradient  
Station #4931, 731 West MacArthur Blvd., Oakland, CA**

| <b>Date Sampled</b> | <b>Approximate Flow Direction</b> | <b>Approximate Hydraulic Gradient</b> |
|---------------------|-----------------------------------|---------------------------------------|
| 6/21/2000           | West-Southwest                    | 0.031                                 |
| 9/20/2000           | Southwest                         | 0.013                                 |
| 12/26/2000          | West                              | 0.028                                 |
| 3/20/2001           | West                              | 0.046                                 |
| 6/12/2001           | West                              | 0.014                                 |
| 9/23/2001           | West                              | 0.012                                 |
| 12/31/2001          | West                              | 0.024                                 |
| 3/21/2002           | West                              | 0.047                                 |
| 4/17/2002           | West                              | 0.03                                  |
| 8/12/2002           | West                              | 0.016                                 |
| 12/6/2002           | West                              | 0.015                                 |
| 1/30/2003           | West                              | Variable                              |
| 5/28/2003           | West                              | 0.022 a                               |
| 8/6/2003            | West-Southwest                    | 0.018                                 |
| 11/14/2003          | West                              | 0.02                                  |
| 2/2/2004            | West                              | 0.04                                  |
| 5/4/2004            | West to North                     | 0.025 to 0.033                        |
| 9/2/2004            | West                              | 0.033                                 |
| 11/10/2004          | West                              | 0.031                                 |
| 2/2/2005            | West-Southwest                    | 0.04                                  |
| 5/9/2005            | Northwest-Southwest               | 0.04                                  |
| 8/11/2005           | West                              | 0.02                                  |
| 11/18/2005          | West                              | 0.03                                  |
| 2/15/2006           | Southwest                         | 0.04                                  |
| 5/30/2006           | West                              | 0.05                                  |
| 8/11/2006           | West                              | 0.01                                  |
| 11/1/2006           | West                              | 0.01                                  |
| 2/7/2007            | West                              | 0.02                                  |
| 5/9/2007            | West                              | 0.05                                  |
| 8/7/2007            | West                              | 0.02                                  |
| 11/14/2007          | West                              | 0.02                                  |
| 2/28/2008           | West                              | 0.05                                  |
| 5/23/2008           | West                              | 0.03                                  |
| 8/13/2008           | West                              | 0.01                                  |
| 11/19/2008          | West-Southwest                    | 0.02                                  |
| 2/10/2009           | West                              | 0.02                                  |
| <b>5/7/2009</b>     | <b>West</b>                       | <b>0.03</b>                           |

FOOTNOTES:

a = Using wells AR-1 and A-9

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**APPENDIX A**

**STRATUS GROUND-WATER SAMPLING DATA PACKAGE  
(INCLUDES FIELD DATA SHEETS, LABORATORY ANALYTICAL REPORT WITH  
CHAIN-OF-CUSTODY DOCUMENTATION, AND FIELD PRODEDURES)**



3330 Cameron Park Drive, Ste 550  
Cameron Park, California 95682  
(530) 676-6004 ~ Fax: (530) 676-6005

May 20, 2009

Mr. Rob Miller  
Broadbent & Associates, Inc.  
2000 Kirman Avenue  
Reno, NV 89502

Re: Groundwater Sampling Data Package, ARCO Service Station No. 4931, located at  
731 W. MacArthur Boulevard, Oakland, California.

### **General Information**

*Data Submittal Prepared / Reviewed by:* Carol Huff / Jay Johnson

*Phone Number:* (530) 676-6000

*On-Site Supplier Representative:* Jerry Gonzales

*Sampling Date:* May 7, 2009

*Unusual Field Conditions:* None noted.

*Scope of Work Performed:* Quarterly monitoring and sampling.

*Variations from Work Scope:* None noted.

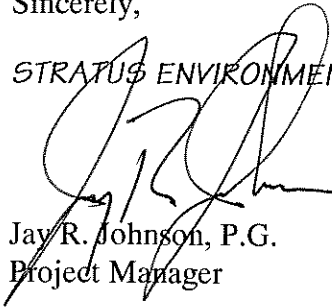
This submittal presents the data collected in association with routine groundwater monitoring. The attachments include field data sheets, non-hazardous waste data form, chain of custody documentation, certified analytical results, and field procedures for groundwater sampling documentation. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations.

May 20, 2009

Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

*STRATUS ENVIRONMENTAL, INC.*

  
Jay R. Johnson, P.G.  
Project Manager



**Attachments:**

- Field Data Sheets
- Non-Hazardous Waste Data Form
- Chain of Custody Documentation
- Certified Analytical Results
- Field Procedures for Groundwater Sampling

CC: Mr. Paul Supple, BP/ARCO

# BP Alameda Portfolio

## HYDROLOGIC DATA SHEET

AR 700

DP 9:25

Gauge Date: 5/7/09

Project Name: 731 MacArthur Blvd, Oakland

Field Technician: Jay

Project Number: 4931

TOC = Top of Well Casing Elevation  
 TOS = Depth to Top of Screen  
 DTW = Depth to Groundwater Below TOC  
 DTB = Depth to Bottom of Well Casing Below TOC

DIA = Well Casing Diameter  
 ELEV = Groundwater Elevation  
 DUP = Duplicate

| WELL OR LOCATION | TIME | MEASUREMENT |     |      |       |     | PURGE & SAMPLE | SHEEN CONFIRMATION (w/bailer) | COMMENTS |
|------------------|------|-------------|-----|------|-------|-----|----------------|-------------------------------|----------|
|                  |      | TOC         | TOS | DTW  | DTB   | DIA |                |                               |          |
| A-2              | 8:10 |             |     | 4.40 | 19.33 |     |                |                               |          |
| A-3              | 8:15 |             |     | 6.10 | 16.04 |     |                |                               |          |
| A-4              | 8:40 |             |     | 7.31 | 19.53 |     |                |                               |          |
| A-5              | 7:48 |             |     | 7.33 | 24.30 |     |                |                               |          |
| A-7              | 7:40 |             |     | 6.88 | 22.32 |     |                |                               |          |
| A-8              | 8:30 |             |     | 6.47 | 19.73 |     |                |                               |          |
| A-9              | 7:55 |             |     | 6.65 | 37.08 |     |                |                               |          |
| A-10             | 8:01 |             |     | 8.23 | 27.58 |     |                |                               |          |
| A-11             | 7:18 |             |     | 8.20 | 29.68 |     |                |                               |          |
| A-12             | 7:10 |             |     | 7.80 | 29.72 |     |                |                               |          |
| A-13             | 7:30 |             |     | 7.87 | 28.90 |     |                |                               |          |
| AK-1             | 8:35 |             |     | 8.17 | 22.67 |     |                |                               |          |
| AK-2             | 8:20 |             |     | 2.90 | 26.17 |     |                |                               |          |
| AK-3             | 8:25 |             |     | 7.83 | 28.72 |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |
|                  |      |             |     |      |       |     |                |                               |          |

Calibration Date

pH/Conductivity/temperature Meter - YSI Model 63

pH 5/7/09

DO Meter - YSI 55 Series

Conductivity 5/7/09

Please refer to groundwater sampling field procedures

DO 5/7/09

**RECEIVED**

BY: CB | DATE 5/27/09

**BP ALAMEDA PORTFOLIO**  
**WATER SAMPLE FIELD DATA SHEET**

PROJECT #: 4931 PURGED BY: JS WELL I.D.: A-4  
 CLIENT NAME: \_\_\_\_\_ SAMPLED BY: JS SAMPLE I.D.: A-4  
 LOCATION: Oakland, 731 W. MacArthur Blvd. QA SAMPLES: \_\_\_\_\_

DATE PURGED 5/17/09 START (2400hr) 9:09 END (2400hr) 9:11  
 DATE SAMPLED 5/19/09 SAMPLE TIME (2400hr) 9:10  
 SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" \_\_\_\_\_ 4"  5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 19.53 CASING VOLUME (gal) = 8.1  
 DEPTH TO WATER (feet) = 7.31 CALCULATED PURGE (gal) = 24.5  
 WATER COLUMN HEIGHT (feet) = 12.2 ACTUAL PURGE (gal) = NP-E

FIELD MEASUREMENTS

| DATE           | TIME (2400hr) | VOLUME (gal) | TEMP. (degrees C) | CONDUCTIVITY (umhos/cm) | pH (units)  | COLOR (visual) | TURBIDITY (NTU) |
|----------------|---------------|--------------|-------------------|-------------------------|-------------|----------------|-----------------|
| <u>5/17/09</u> | <u>9:09</u>   | <u>e</u>     | <u>18.1</u>       | <u>335.7</u>            | <u>7.10</u> | <u>clear</u>   | _____           |
| <u>/</u>       | _____         | _____        | _____             | _____                   | _____       | _____          | _____           |
| _____          | _____         | _____        | _____             | _____                   | _____       | _____          | _____           |
| _____          | _____         | _____        | <u>NO</u>         | <u>purse</u>            | _____       | _____          | _____           |
| _____          | _____         | _____        | _____             | _____                   | _____       | _____          | _____           |
| _____          | _____         | _____        | _____             | _____                   | _____       | _____          | _____           |
| _____          | _____         | _____        | _____             | _____                   | _____       | _____          | _____           |
| _____          | _____         | _____        | _____             | _____                   | _____       | _____          | _____           |

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 7.31 SAMPLE TURBIDITY: clear  
 80% RECHARGE:  YES  NO ANALYSES: SWO  
 ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 6 Vol. HCL

PURGING EQUIPMENT

\_\_\_\_\_ Bladder Pump \_\_\_\_\_ Bailer (Teflon)  
 \_\_\_\_\_ Centrifugal Pump \_\_\_\_\_ Bailer (PVC)  
 \_\_\_\_\_ Submersible Pump \_\_\_\_\_ Bailer (Stainless Steel)  
 \_\_\_\_\_ Peristaltic Pump \_\_\_\_\_ Dedicated \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Pump Depth: \_\_\_\_\_

SAMPLING EQUIPMENT

\_\_\_\_\_ Bladder Pump \_\_\_\_\_ Bailer (Teflon)  
 \_\_\_\_\_ Centrifugal Pump  Bailer ( \_\_\_\_\_ PVC or  disposable)  
 \_\_\_\_\_ Submersible Pump \_\_\_\_\_ Bailer (Stainless Steel)  
 \_\_\_\_\_ Peristaltic Pump \_\_\_\_\_ Dedicated \_\_\_\_\_  
 Other: \_\_\_\_\_

WELL INTEGRITY: Good LOCK#: MASTER  
 REMARKS: DC. 240

SIGNATURE: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

**BP ALAMEDA PORTFOLIO**  
**WATER SAMPLE FIELD DATA SHEET**

PROJECT #: 4931 PURGED BY: JS WELL ID.: MW 8 #  
 CLIENT NAME: \_\_\_\_\_ SAMPLED BY: JS SAMPLE ID.: MW 8 A 8  
 LOCATION: Oakland, 731 W. MacArthur Blvd. QA SAMPLES: \_\_\_\_\_

DATE PURGED 5/7/09 START (2400hr) 853 END (2400hr) 856  
 DATE SAMPLED 5/7/09 SAMPLE TIME (2400hr) 8:55  
 SAMPLE TYPE: Groundwater  Surface Water \_\_\_\_\_ Treatment Effluent \_\_\_\_\_ Other \_\_\_\_\_

CASING DIAMETER: 2" \_\_\_\_\_ 3" 3 4" \_\_\_\_\_ 5" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_ Other \_\_\_\_\_  
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 17.73 CASING VOLUME (gal) = 4.2  
 DEPTH TO WATER (feet) = 6.47 CALCULATED PURGE (gal) = 12.7  
 WATER COLUMN HEIGHT (feet) = 11.2 ACTUAL PURGE (gal) = N/A

FIELD MEASUREMENTS

| DATE          | TIME (2400hr) | VOLUME (gal) | TEMP. (degrees C) | CONDUCTIVITY (umhos/cm) | pH (units)  | COLOR (visual) | TURBIDITY (NTU) |
|---------------|---------------|--------------|-------------------|-------------------------|-------------|----------------|-----------------|
| <u>5/7/09</u> |               |              | <u>19.3</u>       | <u>786</u>              | <u>6.56</u> | <u>Clear</u>   |                 |
| <u>/</u>      |               |              |                   |                         |             |                |                 |
|               |               |              | <u>N/A</u>        | <u>purge</u>            |             |                |                 |
|               |               |              |                   |                         |             |                |                 |
|               |               |              |                   |                         |             |                |                 |
|               |               |              |                   |                         |             |                |                 |
|               |               |              |                   |                         |             |                |                 |
|               |               |              |                   |                         |             |                |                 |
|               |               |              |                   |                         |             |                |                 |

SAMPLE DEPTH TO WATER: 6.47 SAMPLE INFORMATION SAMPLE TURBIDITY: Clear

80% RECHARGE:  YES \_\_\_\_\_ NO \_\_\_\_\_ ANALYSES: SWO  
 ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 6 Vol-HCl

**PURGING EQUIPMENT**  
 Bladder Pump  Bailer (Teflon)  
 Centrifugal Pump  Bailer (PVC)  
 Submersible Pump  Bailer (Stainless Steel)  
 Peristaltic Pump  Dedicated \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Pump Depth: \_\_\_\_\_

**SAMPLING EQUIPMENT**  
 Bladder Pump  Bailer (Teflon)  
 Centrifugal Pump  Bailer ( \_\_\_\_\_ PVC or  disposable)  
 Submersible Pump  Bailer (Stainless Steel)  
 Peristaltic Pump  Dedicated \_\_\_\_\_  
 Other: \_\_\_\_\_

WELL INTEGRITY: Good LOCK#: MASTE

REMARKS: DO = 0.99

SIGNATURE: [Signature] Page \_\_\_\_\_ of \_\_\_\_\_



# WELLHEAD OBSERVATION FORM



Site Name/Number: BP 4931

Date: 5/7/09

Technician: Jerry

| Well I.D. | Box in Good Condition?<br><small>X = Yes<br/>Blank = No</small> | Lock Missing?<br><small>X = Yes (replaced)<br/>Blank = No</small> | Water in Wellbox?<br><small>X = Yes<br/>Blank = No</small> | Water Level Relative to Cap?<br><small>A = Above cap<br/>B = Below cap<br/>L = Level w/cap</small> | Well Cap?<br><small>I = Intact<br/>M = Missing or Compromised (replaced)</small> | Bolts Missing?<br><small>X = Yes<br/>Blank = No</small> | Bolts Stripped?<br><small>X = Yes<br/>Blank = No</small> | Bolt Holes Stripped?<br><small>X = Yes<br/>Blank = No</small> | Cracked or Broken Lid?<br><small>X = Yes<br/>Blank = No</small> | Cracked or Broken Box?<br><small>X = Yes<br/>Blank = No</small> | Grout Level more than 1ft below TOC?<br><small>X = Yes<br/>Blank = No</small> | Additional Comments<br><small>(such as missing lid, concrete needs replacement, or other - explain)</small> |
|-----------|---|---|--|--|--|---|--|---|---|---|---|---|
| A-2       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-3       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-4       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-5       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-7       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-8       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-9       | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-10      | X   |   | X  | A  |  |   |  |   |   |   |   |   |
| A-11      | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-12      | X   |   |  |  |  |   |  |   |   |   |   |   |
| A-13      | X   |   |  |  |  |   |  |   |   |   |   |   |
| AR-1      | X   |   |  |  |  |   |  |   |   |   |   |   |
| AR-2      | X   |   |  |  |  |   |  |   |   |   |   |   |
| AR-3      | X   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |
|           |   |   |  |  |  |   |  |   |   |   |   |   |

### DRUM INVENTORY

Drums on site? Yes (No) (circle)  
 Type and # Steel: \_\_\_\_\_ Plastic: \_\_\_\_\_

Note whether drums are full or empty, solids or liquids:

\_\_\_\_\_

Drum label info (description, date, contact info):

\_\_\_\_\_

\_\_\_\_\_

### GENERAL SITE CONDITIONS

Make notes on housekeeping conditions (such as trash around remediation system enclosure/compound, bent or missing bollards, signs missing from compound fences, graffiti on compound, etc.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

NO. 669833

# NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

NAME: BP WEST COAST PRODUCTS LLC ARCO # 4931 EPA I.D. NO. NOT REQUIRED

ADDRESS: P.O. BOX 80249 PROFILE NO. \_\_\_\_\_

RANCHO SANTA MARGARITA

CITY, STATE, ZIP: CA 92688 PHONE NO. ( ) \_\_\_\_\_

CONTAINERS: No. \_\_\_\_\_ VOLUME \_\_\_\_\_ WEIGHT \_\_\_\_\_

TYPE:  TANK TRUCK  DUMP TRUCK  DRUMS  CARTONS  OTHER \_\_\_\_\_

| NON-HAZARDOUS WATER |                |   | WELL PURGING/DECON WATER |     |   |
|---------------------|----------------|---|--------------------------|-----|---|
| COMPONENTS OF WASTE |                |   | COMPONENTS OF WASTE      |     |   |
|                     | PPM            | % |                          | PPM | % |
| 1. <u>WATER</u>     | <u>99-100%</u> |   | 5. _____                 |     |   |
| 2. <u>TPH</u>       | <u>&lt;1%</u>  |   | 6. _____                 |     |   |
| 3. _____            |                |   | 7. <u>BESI#</u>          |     |   |
| 4. _____            |                |   | 8. _____                 |     |   |

PROPERTIES: 7-10 pH  SOLID  LIQUID  SLUDGE  SLURRY  OTHER \_\_\_\_\_

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

TYPED OR PRINTED FULL NAME & SIGNATURE: Larry Hoochart BESI for BP DATE: \_\_\_\_\_

TRANSPORTER

NAME: Transporter #1 STRATUS ENVIRONMENTAL EPA I.D. NO. \_\_\_\_\_

ADDRESS: 3330 CAMERON PARK DR SERVICE ORDER NO. \_\_\_\_\_

CITY, STATE, ZIP: CAMERON PARK, CA 93652 PICK UP DATE: \_\_\_\_\_

PHONE NO. 530-676-2031

TRUCK, UNIT, I.D. NO. \_\_\_\_\_ TYPED OR PRINTED FULL NAME & SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TSD FACILITY

NAME: INSTRAT, INC EPA I.D. NO. \_\_\_\_\_

ADDRESS: 1105 AIRPORT RD #C DISPOSAL METHOD:  LANDFILL  OTHER \_\_\_\_\_

CITY, STATE, ZIP: RIO VISTA, CA 94571

PHONE NO. 530-733-1829

TYPED OR PRINTED FULL NAME & SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

|       |         |       |      |      |             |
|-------|---------|-------|------|------|-------------|
| GEN   | OLD/NEW | L     | A    | TONS | DISCREPANCY |
| TRANS |         | S     | B    |      |             |
| C/D   |         | RT/CO | HWDF | NONE |             |



Laboratory Management Program LaMP Chain of Custody Record

BPI/ARC Project Name: BP 4931  
 BPI/ARC Facility No: 4931

Req Due Date (mm/dd/yy): 14 Day TAT Rush TAT: Yes  No   
 Lab Work Order Number: \_\_\_\_\_

|  |  |  |
|--|--|--|
| Lab Name: <u>CalScience</u>                                  | BPI/ARC Facility Address: <u>731 W. MacArthur Blvd.</u>  | Consultant/Contractor: <u>Stratus Environmental Inc.</u>   |
| Lab Address: <u>7440 Lincoln Way, Garden Grove, CA 92841</u> | City, State, ZIP Code: <u>Oakland, CA</u>  | Consultant/Contractor Project No: _____  |
| Lab PM: <u>Richard Villafania</u>                            | Lead Regulatory Agency: <u>Alameda</u>   | Address: <u>3330 Cameron Park Drive, #550, Cameron Park, CA 95682</u>                              |
| Lab Phone: <u>714-895-5494</u> Fax: <u>714-895-7501</u>      | California Global ID No.: <u>T0600100110</u>   | Consultant/Contractor PM: <u>Jay Johnson</u>   |
| Lab Shipping Acct#: _____                                    | Enfos Proposal No.: <u>000QP-0002</u>  | Phone: <u>530-676-6000</u> Fax: <u>530-676-6005</u>  |
| Lab Bottle Order No: _____                                   | Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/> | Email EDD To: <u>chuff@stratusinc.net</u>  |
| Other Info: _____  | Stage: <u>BPI/ARC WBS Stage</u> Activity: <u>BPI/ARC WBS Activity</u>  | Invoice To: <u>BPI/ARC</u> <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> |

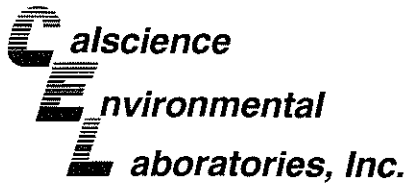
|                                      |               |                                      |                           |  |
|--------------------------------------|---------------|--------------------------------------|---------------------------|--|
| BPI/ARC EBM: <u>Paul Supple</u>      | <b>Matrix</b> | <b>No. Containers / Preservative</b> | <b>Requested Analyses</b> | <b>Report Type &amp; QC Level</b>  |
| EBM Phone: <u>(925) 275-3801</u>     |               |                                      |                           | Standard <input checked="" type="checkbox"/><br>Full Data Package <input type="checkbox"/>   |
| EBM Email: <u>paul.supple@bp.com</u> |               |                                      |                           | Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description. |

| Lab No.  | Sample Description | Date     | Time | Matrix       |                |             | No. Containers / Preservative |             |                                |                  |     |          |              |                     |                  |              | Requested Analyses | Report Type & QC Level |                  |  |         |  |  |
|----------|--------------------|----------|------|--------------|----------------|-------------|-------------------------------|-------------|--------------------------------|------------------|-----|----------|--------------|---------------------|------------------|--------------|--------------------|------------------------|------------------|--|---------|--|--|
|          |                    |          |      | Soil / Solid | Water / Liquid | Air / Vapor | Total Number of Containers    | Unpreserved | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | Methanol | GRO by 8015M | BTEX/5 FO* by 8260B | Ethanol by 8260B | EDB by 8260B |                    |                        | 1,2-DCA by 8260B |  |         |  |  |
| A-4      |                    | 5/7/2009 | 9:10 | X            |                |             | 6                             |             |                                |                  |     |          |              |                     | X                | X            | X                  | X                      | X                |  |         |  |  |
| A-8      |                    | 5/7/2009 | 8:55 | X            |                |             | 6                             |             |                                |                  |     |          |              |                     | X                | X            | X                  | X                      | X                |  |         |  |  |
| TB-4931- | 05072009           | 5/7/2009 | 5:00 | X            |                |             | 2                             |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  | ON HOLD |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |
|          |                    |          |      |              |                |             |                               |             |                                |                  |     |          |              |                     |                  |              |                    |                        |                  |  |         |  |  |

|  |                               |      |      |                           |      |      |
|--|-------------------------------|------|------|---------------------------|------|------|
| Sampler's Name: <u>Jerry Gonzalez</u>                | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
| Sampler's Company: <u>Stratus Environmental Inc.</u> |                               |      |      |                           |      |      |
| Shipment Method: _____                               | Ship Date: _____              |      |      |                           |      |      |
| Shipment Tracking No: _____                          |                               |      |      |                           |      |      |

Special Instructions: TB Sample ON HOLD! Cc results to bpalameda@secor.com

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: \_\_\_\_\_ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No



May 22, 2009

Jay Johnson  
Stratus Environmental, inc.  
3330 Cameron Park Drive, Suite 550  
Cameron Park, CA 95682-8861

Subject: **Calscience Work Order No.:** 09-05-0720  
**Client Reference:** BP 4931

Dear Client:

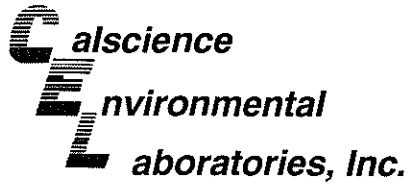
Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/8/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental  
Laboratories, Inc.  
Richard Villafania  
Project Manager



Analytical Report



Stratus Environmental, inc.  
 3330 Cameron Park Drive, Suite 550  
 Cameron Park, CA 95682-8861

Date Received: 05/08/09  
 Work Order No: 09-05-0720  
 Preparation: EPA 5030B  
 Method: EPA 8015B (M)

Project: BP 4931

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| A-4                  | 09-05-0720-1-D    | 05/07/09 09:10      | Aqueous | GC 4       | 05/16/09      | 05/17/09 14:30     | 090516B02   |

| Parameter                        | Result | RL | DF | Qual | Units |
|----------------------------------|--------|----|----|------|-------|
| Gasoline Range Organics (C6-C12) | ND     | 50 | 1  |      | ug/L  |

| Surrogates:            | REC (%) | Control Limits | Qual |
|------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene | 99      | 38-134         |      |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| A-8                  | 09-05-0720-2-D    | 05/07/09 08:55      | Aqueous | GC 4       | 05/16/09      | 05/17/09 15:03     | 090516B02   |

| Parameter                        | Result | RL | DF | Qual | Units |
|----------------------------------|--------|----|----|------|-------|
| Gasoline Range Organics (C6-C12) | 270    | 50 | 1  |      | ug/L  |

| Surrogates:            | REC (%) | Control Limits | Qual |
|------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene | 107     | 38-134         |      |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-695-539    | N/A                 | Aqueous | GC 4       | 05/16/09      | 05/17/09 09:25     | 090516B02   |

| Parameter                        | Result | RL | DF | Qual | Units |
|----------------------------------|--------|----|----|------|-------|
| Gasoline Range Organics (C6-C12) | ND     | 50 | 1  |      | ug/L  |

| Surrogates:            | REC (%) | Control Limits | Qual |
|------------------------|---------|----------------|------|
| 1,4-Bromofluorobenzene | 101     | 38-134         |      |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Stratus Environmental, inc.  
3330 Cameron Park Drive, Suite 550  
Cameron Park, CA 95682-8861

Date Received: 05/08/09  
Work Order No: 09-05-0720  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: BP 4931

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| A-4                  | 09-05-0720-1-B    | 05/07/09<br>09:10   | Aqueous | GC/MS BB   | 05/18/09      | 05/19/09<br>09:24  | 090518L02   |

| Parameter             | Result         | RL                    | DF | Qual        | Parameter                     | Result         | RL                    | DF | Qual        |
|-----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene               | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE)   | 9.9            | 0.50                  | 1  |             |
| 1,2-Dibromoethane     | ND             | 0.50                  | 1  |             | Tert-Butyl Alcohol (TBA)      | 11             | 10                    | 1  |             |
| 1,2-Dichloroethane    | ND             | 0.50                  | 1  |             | Diisopropyl Ether (DIPE)      | ND             | 0.50                  | 1  |             |
| Ethylbenzene          | ND             | 0.50                  | 1  |             | Ethyl-t-Butyl Ether (ETBE)    | ND             | 0.50                  | 1  |             |
| Toluene               | ND             | 0.50                  | 1  |             | Tert-Amyl-Methyl Ether (TAME) | 2.0            | 0.50                  | 1  |             |
| Xylenes (total)       | ND             | 0.50                  | 1  |             | Ethanol                       | ND             | 300                   | 1  |             |
| <u>Surrogates:</u>    | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>            | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| 1,2-Dichloroethane-d4 | 103            | 73-145                |    |             | Dibromofluoromethane          | 107            | 81-135                |    |             |
| Toluene-d8            | 97             | 83-119                |    |             | 1,4-Bromofluorobenzene        | 79             | 74-110                |    |             |

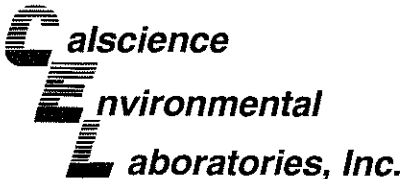
| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| A-8                  | 09-05-0720-2-B    | 05/07/09<br>08:55   | Aqueous | GC/MS BB   | 05/18/09      | 05/19/09<br>09:56  | 090518L02   |

| Parameter             | Result         | RL                    | DF | Qual        | Parameter                     | Result         | RL                    | DF | Qual        |
|-----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene               | 65             | 1.0                   | 2  |             | Methyl-t-Butyl Ether (MTBE)   | 12             | 1.0                   | 2  |             |
| 1,2-Dibromoethane     | ND             | 1.0                   | 2  |             | Tert-Butyl Alcohol (TBA)      | 20             | 20                    | 2  |             |
| 1,2-Dichloroethane    | ND             | 1.0                   | 2  |             | Diisopropyl Ether (DIPE)      | ND             | 1.0                   | 2  |             |
| Ethylbenzene          | ND             | 1.0                   | 2  |             | Ethyl-t-Butyl Ether (ETBE)    | ND             | 1.0                   | 2  |             |
| Toluene               | ND             | 1.0                   | 2  |             | Tert-Amyl-Methyl Ether (TAME) | 3.3            | 1.0                   | 2  |             |
| Xylenes (total)       | ND             | 1.0                   | 2  |             | Ethanol                       | ND             | 600                   | 2  |             |
| <u>Surrogates:</u>    | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>            | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| 1,2-Dichloroethane-d4 | 108            | 73-145                |    |             | Dibromofluoromethane          | 112            | 81-135                |    |             |
| Toluene-d8            | 99             | 83-119                |    |             | 1,4-Bromofluorobenzene        | 96             | 74-110                |    |             |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix  | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|----------------------|-------------------|---------------------|---------|------------|---------------|--------------------|-------------|
| Method Blank         | 099-12-703-885    | N/A                 | Aqueous | GC/MS BB   | 05/18/09      | 05/19/09<br>01:59  | 090518L02   |

| Parameter             | Result         | RL                    | DF | Qual        | Parameter                     | Result         | RL                    | DF | Qual        |
|-----------------------|----------------|-----------------------|----|-------------|-------------------------------|----------------|-----------------------|----|-------------|
| Benzene               | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE)   | ND             | 0.50                  | 1  |             |
| 1,2-Dibromoethane     | ND             | 0.50                  | 1  |             | Tert-Butyl Alcohol (TBA)      | ND             | 10                    | 1  |             |
| 1,2-Dichloroethane    | ND             | 0.50                  | 1  |             | Diisopropyl Ether (DIPE)      | ND             | 0.50                  | 1  |             |
| Ethylbenzene          | ND             | 0.50                  | 1  |             | Ethyl-t-Butyl Ether (ETBE)    | ND             | 0.50                  | 1  |             |
| Toluene               | ND             | 0.50                  | 1  |             | Tert-Amyl-Methyl Ether (TAME) | ND             | 0.50                  | 1  |             |
| Xylenes (total)       | ND             | 0.50                  | 1  |             | Ethanol                       | ND             | 300                   | 1  |             |
| <u>Surrogates:</u>    | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>            | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| 1,2-Dichloroethane-d4 | 104            | 73-145                |    |             | Dibromofluoromethane          | 94             | 81-135                |    |             |
| Toluene-d8            | 97             | 83-119                |    |             | 1,4-Bromofluorobenzene        | 79             | 74-110                |    |             |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Stratus Environmental, inc.  
3330 Cameron Park Drive, Suite 550  
Cameron Park, CA 95682-8861

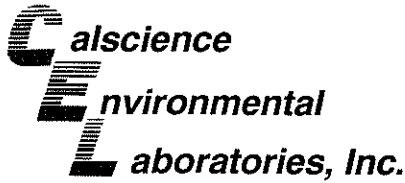
Date Received: 05/08/09  
Work Order No: 09-05-0720  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project BP 4931

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 09-05-0721-1              | Aqueous | GC 4       | 05/16/09      | 05/17/09      | 090516S02           |

| Parameter                        | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|----------------------------------|---------|----------|---------|-----|--------|------------|
| Gasoline Range Organics (C6-C12) | 91      | 88       | 38-134  | 4   | 0-25   |            |

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Stratus Environmental, inc.  
3330 Cameron Park Drive, Suite 550  
Cameron Park, CA 95682-8861

Date Received: 05/08/09  
Work Order No: 09-05-0720  
Preparation: EPA 5030B  
Method: EPA 8260B

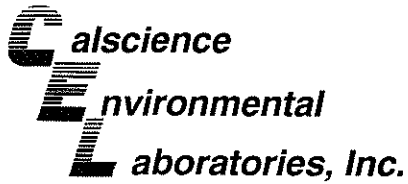
Project BP 4931

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 09-05-1007-1              | Aqueous | GC/MS BB   | 05/18/09      | 05/19/09      | 090518S02           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 99      | 98       | 86-122  | 1   | 0-8    |            |
| Carbon Tetrachloride          | 103     | 102      | 78-138  | 1   | 0-9    |            |
| Chlorobenzene                 | 99      | 98       | 90-120  | 1   | 0-9    |            |
| 1,2-Dibromoethane             | 101     | 99       | 70-130  | 2   | 0-30   |            |
| 1,2-Dichlorobenzene           | 99      | 99       | 89-119  | 1   | 0-10   |            |
| 1,1-Dichloroethene            | 97      | 95       | 52-142  | 2   | 0-23   |            |
| Ethylbenzene                  | 95      | 94       | 70-130  | 0   | 0-30   |            |
| Toluene                       | 98      | 97       | 85-127  | 1   | 0-12   |            |
| Trichloroethene               | 98      | 99       | 78-126  | 1   | 0-10   |            |
| Vinyl Chloride                | 90      | 88       | 56-140  | 2   | 0-21   |            |
| Methyl-t-Butyl Ether (MTBE)   | 93      | 98       | 64-136  | 4   | 0-28   |            |
| Tert-Butyl Alcohol (TBA)      | 593     | 124      | 27-183  | 4   | 0-60   | LM, AY     |
| Diisopropyl Ether (DIPE)      | 93      | 95       | 78-126  | 2   | 0-16   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 96      | 99       | 67-133  | 3   | 0-21   |            |
| Tert-Amyl-Methyl Ether (TAME) | 95      | 99       | 63-141  | 4   | 0-21   |            |
| Ethanol                       | 95      | 105      | 11-167  | 10  | 0-64   |            |

RPD - Relative Percent Difference, CL - Control Limit





Quality Control - LCS/LCS Duplicate



Stratus Environmental, inc.  
 3330 Cameron Park Drive, Suite 550  
 Cameron Park, CA 95682-8861

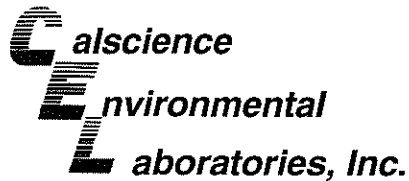
Date Received: N/A  
 Work Order No: 09-05-0720  
 Preparation: EPA 5030B  
 Method: EPA 8015B (M)

Project: BP 4931

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-12-695-539            | Aqueous | GC 4       | 05/16/09      | 05/17/09      | 090516B02             |

| Parameter                        | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|----------------------------------|----------|-----------|---------|-----|--------|------------|
| Gasoline Range Organics (C6-C12) | 102      | 99        | 78-120  | 3   | 0-20   |            |

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Stratus Environmental, inc.  
3330 Cameron Park Drive, Suite 550  
Cameron Park, CA 95682-8861

Date Received: N/A  
Work Order No: 09-05-0720  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: BP 4931

| Quality Control Sample ID     | Matrix          | Instrument       | Date Prepared  | Date Analyzed | LCS/LCSD Batch Number |               |                   |
|-------------------------------|-----------------|------------------|----------------|---------------|-----------------------|---------------|-------------------|
| 099-12-703-885                | Aqueous         | GC/MS BB         | 05/18/09       | 05/18/09      | 090518L02             |               |                   |
| <u>Parameter</u>              | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>%REC CL</u> | <u>ME CL</u>  | <u>RPD</u>            | <u>RPD CL</u> | <u>Qualifiers</u> |
| Benzene                       | 101             | 101              | 87-117         | 82-122        | 0                     | 0-7           |                   |
| Carbon Tetrachloride          | 108             | 106              | 78-132         | 69-141        | 2                     | 0-8           |                   |
| Chlorobenzene                 | 101             | 100              | 88-118         | 83-123        | 2                     | 0-8           |                   |
| 1,2-Dibromoethane             | 103             | 106              | 80-120         | 73-127        | 3                     | 0-20          |                   |
| 1,2-Dichlorobenzene           | 103             | 103              | 88-118         | 83-123        | 0                     | 0-8           |                   |
| 1,1-Dichloroethene            | 102             | 100              | 71-131         | 61-141        | 2                     | 0-14          |                   |
| Ethylbenzene                  | 97              | 96               | 80-120         | 73-127        | 1                     | 0-20          |                   |
| Toluene                       | 101             | 99               | 85-127         | 78-134        | 2                     | 0-7           |                   |
| Trichloroethene               | 118             | 122              | 85-121         | 79-127        | 3                     | 0-11          |                   |
| Vinyl Chloride                | 102             | 100              | 64-136         | 52-148        | 2                     | 0-10          |                   |
| Methyl-t-Butyl Ether (MTBE)   | 103             | 104              | 67-133         | 56-144        | 1                     | 0-16          |                   |
| Tert-Butyl Alcohol (TBA)      | 94              | 98               | 34-154         | 14-174        | 5                     | 0-19          |                   |
| Diisopropyl Ether (DIPE)      | 100             | 97               | 80-122         | 73-129        | 2                     | 0-8           |                   |
| Ethyl-t-Butyl Ether (ETBE)    | 105             | 103              | 73-127         | 64-136        | 2                     | 0-11          |                   |
| Tert-Amyl-Methyl Ether (TAME) | 102             | 103              | 69-135         | 58-146        | 1                     | 0-12          |                   |
| Ethanol                       | 96              | 96               | 34-124         | 19-139        | 0                     | 0-44          |                   |

Total number of LCS compounds : 16  
Total number of ME compounds : 1  
Total number of ME compounds allowed : 1  
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

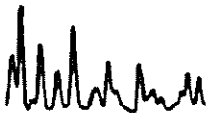

 Work Order Number: 09-05-0720
 

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| <u>Qualifier</u> | <u>Definition</u>  |
|------------------|--|
| AX               | Sample too dilute to quantify surrogate.   |
| AZ               | Surrogate recovery outside of acceptance limits due to matrix interference.                          |
| BA               | Relative percent difference out of control.  |
| BA,AY            | BA = Relative percent difference out of control. AY = Matrix interference suspected.                 |
| BB               | Sample > 4x spike concentration.   |
| BF               | Reporting limits raised due to high hydrocarbon background.  |
| BH               | Reporting limits raised due to high level of non-target analytes.                                    |
| BU               | Sample analyzed after holding time expired.  |
| BV               | Sample received after holding time expired.  |
| BY               | Sample received at improper temperature.   |
| CL               | Initial analysis within holding time but required dilution.  |
| CQ               | Analyte concentration greater than 10 times the blank concentration.                                 |
| CU               | Surrogate concentration diluted to not detectable during analysis.                                   |
| DF               | Reporting limits elevated due to matrix interferences.   |
| DU               | Insufficient sample quantity for matrix spike/dup matrix spike.                                      |
| ET               | Sample was extracted past end of recommended max. holding time.                                      |
| EY               | Result exceeds normal dynamic range; reported as a min est.  |
| GR               | Internal standard recovery is outside method recovery limit.   |
| IB               | CCV recovery above limit; analyte not detected.  |
| IH               | Calibrtn. verif. recov. below method CL for this analyte.  |
| IJ               | Calibrtn. verif. recov. above method CL for this analyte.  |
| J,DX             | J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.                      |
| LA               | Confirmatory analysis was past holding time.   |
| LG,AY            | LG= Surrogate recovery below the acceptance limit. AY= Matrix interference suspected.                |
| LH,AY            | LH= Surrogate recovery above the acceptance limit. AY= Matrix interference suspected.                |
| LM,AY            | LM= MS and/or MSD above acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected. |
| LN,AY            | LN= MS and/or MSD below acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected. |
| LQ               | LCS recovery above method control limits.  |



| <u>Qualifier</u> | <u>Definition</u>   |
|------------------|---|
| LR               | LCS recovery below method control limits.   |
| LW               | Quantitation of unknown hydrocarbon(s) in sample based on gasoline.   |
| LX               | Quantitation of unknown hydrocarbon(s) in sample based on diesel.   |
| MB               | Analyte present in the method blank.  |
| PC               | Sample taken from VOA vial with air bubble > 6mm diameter.  |
| PI               | Primary and confirm results varied by > than 40% RPD.   |
| RB               | RPD exceeded method control limit; % recoveries within limits.  |
| SG               | A silica gel cleanup procedure was performed.<br>Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. |





# Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: BP 4931  
 BP/ARC Facility No: 4931

Req Due Date (mm/dd/yy): 14 Day TAT Rush TAT: Yes  No   
 Lab Work Order Number: 0720

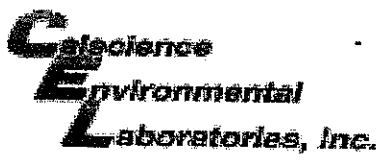
|   |  |  |
|---|--|--|
| Lab Name: CalScience                                  | BP/ARC Facility Address: 731 W. MacArthur Blvd.  | Consultant/Contractor: Stratus Environmental Inc.  |
| Lab Address: 7440 Lincoln Way, Garden Grove, CA 92841 | City, State, ZIP Code: Oakland, CA   | Consultant/Contractor Project No:  |
| Lab PM: Richard Villafania                            | Lead Regulatory Agency: Alameda  | Address: 3330 Cameron Park Drive, #550, Cameron Park, CA 95682                             |
| Lab Phone: 714-895-5494 Fax: 714-895-7501             | California Global ID No.: T0600100110  | Consultant/Contractor PM: Jay Johnson  |
| Lab Shipping Acct:                                    | Enfos Proposal No: 000QP-0002  | Phone: 530-676-6000 Fax: 530-676-6005  |
| Lab Bottle Order No:                                  | Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/> | Email EDD To: <u>chuff@stratusinc.net</u>  |
| Other Info:   | Stage: BP/ARC WBS Stage Activity: BP/ARC WBS Activity  | Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> |

| BP/ARC EBM: Paul Supple       |                    |          |      | Matrix       |                |             | No. Containers / Preservative |             |                                |                  |     |          | Requested Analyses |                     |                  |              |                  |  | Report Type & QC Level |  |  |
|-------------------------------|--------------------|----------|------|--------------|----------------|-------------|-------------------------------|-------------|--------------------------------|------------------|-----|----------|--------------------|---------------------|------------------|--------------|------------------|--|------------------------|--|--|
| EBM Phone: (925) 275-3801     |                    |          |      | Soil / Solid | Water / Liquid | Air / Vapor | Total Number of Containers    | Unpreserved | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | Methanol | GRO by 8015M       | BTEX/5 FO* by 8260B | Ethanol by 8260B | EDB by 8260B | 1,2-DCA by 8260B |  |                        | Standard <input checked="" type="checkbox"/> | Full Data Package <input type="checkbox"/> |
| EBM Email: paul.supple@bp.com |                    |          |      |              |                |             |                               |             |                                |                  |     |          |                    |                     |                  |              |                  |  |                        |  |  |
| Lab No.                       | Sample Description | Date     | Time |              |                |             |                               |             |                                |                  |     |          |                    |                     |                  |              |                  |  |                        |  |  |
| 1                             | A-4                | 5/7/2009 | 9:10 | X            |                |             | 6                             |             |                                |                  | X   | X        | X                  | X                   | X                |              |                  |  |                        |  |  |
| 2                             | A-8                | 5/7/2009 | 8:55 | X            |                |             | 6                             |             |                                | X                |     | X        | X                  | X                   | X                |              |                  |  |                        |  |  |
| 3                             | TB-4931-05072009   | 5/7/2009 | 5:00 | X            |                |             | 2                             |             |                                | X                |     |          |                    |                     |                  |              |                  |  |                        |  | ON HOLD                                    |

|  |                               |  |      |      |                           |  |        |      |
|--|-------------------------------|--|------|------|---------------------------|--|--------|------|
| Sampler's Name: <u>Jerry Gonzalez</u>                                      | Relinquished By / Affiliation |  | Date | Time | Accepted By / Affiliation |  | Date   | Time |
| Sampler's Company: Stratus Environmental Inc.                              |                               |  |      |      |                           |  | 5/8/09 | 1030 |
| Shipment Method:   | Ship Date:                    |  |      |      |                           |  |        |      |
| Shipment Tracking No: <u>106280027</u>                                     |                               |  |      |      |                           |  |        |      |
| Special Instructions: TB Sample ON HOLD! Cc results to bpalameda@secor.com |                               |  |      |      |                           |  |        |      |

|  |                      |                                    |                      |                                   |
|--|----------------------|------------------------------------|----------------------|-----------------------------------|
| THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No |
|--|----------------------|------------------------------------|----------------------|-----------------------------------|

Page 1 of 1



WORK ORDER #: 09-05-0720

# SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: stratus

DATE: 5/8/09

**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 3.6 °C - 0.2°C (CF) = 3.4 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter  Metals Only  PCBs Only Initial: JP

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: JP

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: YL

**SAMPLE CONDITION:**

|  | Yes                                 | No                                  | N/A                                 |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Chain-Of-Custody (COC) document(s) received with samples.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| COC document(s) received complete.....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.  |                                     |                                     |                                     |
| <input type="checkbox"/> COC not relinquished. <input checked="" type="checkbox"/> No date relinquished. <input checked="" type="checkbox"/> No time relinquished. |                                     |                                     |                                     |
| Sampler's name indicated on COC.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Sample container label(s) consistent with COC.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Sample container(s) intact and good condition.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Correct containers and volume for analyses requested.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Analyses received within holding time.....   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Proper preservation noted on COC or sample container.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| <input type="checkbox"/> Unpreserved vials received for Volatiles analysis   |                                     |                                     |                                     |
| Volatile analysis container(s) free of headspace.....  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Tedlar bag(s) free of condensation.....  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve  EnCores®  TerraCores®  \_\_\_\_\_

**Water:**  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  500PB  500PBna

250PB  250PBn  125PB  125PBz<sub>nna</sub>  100PB  100PBna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Summa®  \_\_\_\_\_ **Other:**  \_\_\_\_\_

Checked/Labeled by: YL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) Reviewed by: WJC

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> z<sub>nna</sub>: ZnAc<sub>2</sub>+NaOH f: Field-filtered Scanned by: YL

## ATTACHMENT

### FIELD PROCEDURES FOR GROUNDWATER SAMPLING

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The sampling procedures for groundwater monitoring events are contained in this appendix.

#### **Groundwater and Liquid-Phase Petroleum Hydrocarbon Depth Assessment**

Prior to measuring the depth to liquid in the well, the well caps are removed and the liquid level allowed to stabilize. A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the groundwater depth in monitoring wells that do not contain LPH. Depth to groundwater or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

#### **Subjective Analysis of Groundwater**

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

#### **Monitoring Well Sampling**

In many cases, determining whether to purge or not to purge wells prior to sample collection is made in the field and is often based on depth to water relative to the screen interval of the well. Site-specific field data sheets present details associated with the purge method and equipment used.

Monitoring wells, when purged, use a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water has been removed. Field measuring equipment is calibrated and maintained according to the manufacturer's instructions. If three well volumes cannot be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a groundwater sample is then collected from each of the wells using disposable bailers.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These

bottles will be filled completely to prevent air accumulation in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

### **Groundwater Sample Labeling and Preservation**

Samples are collected in appropriate containers supplied by the laboratory. All required chemical preservation is added to the bottles prior to delivery to Stratus. Sample label information includes a unique sample identification number, job identification number, date, and time. After labeling, all groundwater samples are placed in a Ziploc<sup>®</sup> type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip and temperature blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

### **Sample Identification and Chain-of-Custody Procedures**

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

### **Equipment Cleaning**

All reusable sampling equipments are cleaned using phosphate-free detergents and rinsed with de-ionized water.



**APPENDIX B**

**HISTORICAL GROUND-WATER DATA**

Table 2  
Liquid Surface Elevation Data

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

| Well Number | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB) | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |       |
|-------------|-------------|----------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|-------|
| A-2         | 03/20/89    | 55.38                      | 3.45                        | 3.45                       | 0.00                 | 51.93                                |       |
|             | 05/24/89    |                            | 6.80                        | 6.80                       | 0.00                 | 48.58                                |       |
|             | 08/18/89    |                            | 10.82                       | 10.82                      | 0.00                 | 44.56                                |       |
|             | 10/27/89    |                            | 8.25                        | 8.25                       | 0.00                 | 47.13                                |       |
|             | 01/15/90    |                            | 4.87                        | 4.87                       | 0.00                 | 50.51                                |       |
|             | 04/04/90    |                            | 7.03                        | 7.03                       | 0.00                 | 48.35                                |       |
|             | 07/30/90    |                            | 10.01                       | 10.01                      | 0.00                 | 45.37                                |       |
|             | 10/29/90    |                            | 11.60                       | 11.60                      | 0.00                 | 43.78                                |       |
|             | 01/16/91    |                            | 9.43                        | 9.43                       | 0.00                 | 45.95                                |       |
|             | 04/12/91    |                            | 3.65                        | 3.65                       | 0.00                 | 51.73                                |       |
|             | 07/10/91    |                            | 9.57                        | 9.57                       | 0.00                 | 45.81                                |       |
|             | 10/21/91    |                            | 11.54                       | 11.54                      | 0.00                 | 43.84                                |       |
|             | 02/01/92    |                            | 11.20                       | 11.20                      | 0.00                 | 44.18                                |       |
|             | 04/29/92    |                            | 7.18                        | 7.18                       | 0.00                 | 48.20                                |       |
|             | 07/29/92    | 55.48                      | 11.81                       | 11.81                      | 0.00                 | 43.67                                |       |
|             | 10/29/92    |                            | 11.91                       | 11.91                      | 0.00                 | 43.57                                |       |
|             | 01/26/93    |                            | 5.06                        | 5.06                       | 0.00                 | 50.42                                |       |
|             | 04/01/93    |                            | 5.15                        | 5.15                       | 0.00                 | 50.33                                |       |
|             | 08/06/93    |                            | 15.33                       | 15.33                      | 0.00                 | 40.15                                |       |
|             | 10/14/93    |                            | 15.74                       | 15.74                      | 0.00                 | 39.74                                |       |
|             | 11/16/93    |                            | 14.61                       | 14.61                      | 0.00                 | 40.87                                |       |
|             | 12/16/93    |                            | 5.80                        | 5.80                       | 0.00                 | 49.68                                |       |
|             | 02/10/94    |                            | 4.88                        | 4.88                       | 0.00                 | 50.60                                |       |
|             | 03/21/94    |                            | 4.94                        | 4.94                       | 0.00                 | 50.54                                |       |
|             | 05/06/94    |                            |                             | Well Inaccessible          |                      |                                      |       |
|             | 08/09/94    |                            |                             | 12.51                      | 12.51                | 0.00                                 | 42.97 |
|             | 11/17/94    |                            |                             | 5.24                       | 5.24                 | 0.00                                 | 50.24 |
|             | 02/09/95    |                            |                             | 6.55                       | 6.55                 | 0.00                                 | 48.93 |
|             | 05/08/95    |                            |                             | 6.08                       | 6.08                 | 0.00                                 | 49.40 |
|             | 08/08/95    |                            |                             | 11.50                      | 11.50                | 0.00                                 | 43.98 |
|             | 11/03/95    |                            |                             | 10.92                      | 10.92                | 0.00                                 | 44.56 |
|             | A-3         | 03/20/89                   | 54.48                       | 7.51                       | 7.51                 | 0.00                                 | 46.97 |
|             |             | 05/24/89                   |                             | 10.29                      | 10.29                | 0.00                                 | 44.19 |
| 08/18/89    |             |                            | 11.60                       | 11.60                      | 0.00                 | 42.88                                |       |
| 10/27/89    |             |                            | 10.16                       | 10.16                      | 0.00                 | 44.32                                |       |
| 01/15/90    |             |                            | 8.55                        | 8.55                       | 0.00                 | 45.93                                |       |
| 04/04/90    |             |                            | 10.66                       | 10.66                      | 0.00                 | 43.82                                |       |
| 07/30/90    |             |                            | 11.26                       | 11.26                      | 0.00                 | 43.22                                |       |
| 10/29/90    |             |                            | 11.86                       | 11.86                      | 0.00                 | 42.62                                |       |
| 01/16/91    |             |                            | 11.46                       | 11.46                      | 0.00                 | 43.02                                |       |
| 04/12/91    |             |                            | 9.28                        | 9.28                       | 0.00                 | 45.20                                |       |
| 07/10/91    |             |                            | 11.29                       | 11.29                      | 0.00                 | 43.19                                |       |
| 10/21/91    |             |                            | 11.51                       | 11.51                      | 0.00                 | 42.97                                |       |
| 02/02/92    |             |                            |                             | Well Inaccessible          |                      |                                      |       |
| 04/29/92    |             |                            |                             | Well Inaccessible          |                      |                                      |       |
| 07/29/92    |             | 54.66                      | 11.59                       | 11.59                      | 0.00                 | 43.07                                |       |
| 10/28/92    |             |                            | 12.00                       | 12.00                      | 0.00                 | 42.66                                |       |
| 01/26/93    |             |                            | 9.82                        | 9.82                       | 0.00                 | 44.84                                |       |
| 04/01/93    |             |                            | 10.61                       | 10.61                      | 0.00                 | 44.05                                |       |
| 08/06/93    |             |                            | 14.90                       | 14.90                      | 0.00                 | 39.76                                |       |
| 10/14/93    |             |                            | 15.11                       | 15.11                      | 0.00                 | 39.55                                |       |
| 11/16/93    |             |                            | 14.72                       | 14.72                      | 0.00                 | 39.94                                |       |
| 12/16/93    |             |                            | 13.37                       | 13.37                      | 0.00                 | 41.29                                |       |
| 02/10/94    |             |                            | 9.20                        | 9.20                       | 0.00                 | 45.46                                |       |
| 05/06/94    |             |                            | 10.34                       | 10.34                      | 0.00                 | 44.32                                |       |
| 08/09/94    |             |                            | 12.09                       | 12.09                      | 0.00                 | 42.57                                |       |
| 11/17/94    |             |                            | 5.85                        | 5.85                       | 0.00                 | 48.81                                |       |
| 02/09/95    |             | 9.93                       | 9.93                        | 0.00                       | 44.73                |                                      |       |

Table 2 (continued)  
Liquid Surface Elevation Data

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

| Well Number    | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB) | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |
|----------------|-------------|----------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|
| A-3<br>(cont.) | 05/08/95    |                            | 11.32                       | 11.32                      | 0.00                 | 43.34                                |
|                | 08/08/95    |                            | 9.80                        | 9.80                       | 0.00                 | 44.86                                |
|                | 11/03/95    |                            | 10.26                       | 10.26                      | 0.00                 | 44.40                                |
| A-4            | 03/21/86    | 54.62                      | NM                          | NM                         | 3.50                 | NM                                   |
|                | 01/07/88    |                            | NM                          | NM                         | 0.02                 | NM                                   |
|                | 03/20/89    |                            | 8.13                        | 8.13                       | 0.00                 | 46.49                                |
|                | 05/24/89    |                            | 11.40                       | 11.40                      | 0.00                 | 43.22                                |
|                | 08/18/89    |                            | 11.90                       | 11.91                      | 0.01                 | 42.72                                |
|                | 10/27/89    |                            | 11.36                       | 11.37                      | 0.01                 | 43.26                                |
|                | 01/15/90    |                            | 9.73                        | 9.74                       | 0.01                 | 44.89                                |
|                | 04/04/90    |                            | 11.19                       | 11.19                      | 0.00                 | 43.43                                |
|                | 07/30/90    |                            | 11.70                       | 11.71                      | 0.01                 | 42.92                                |
|                | 10/29/90    |                            | 12.18                       | 12.21                      | 0.03                 | 42.44                                |
|                | 01/16/91    |                            | 11.88                       | 11.89                      | 0.01                 | 42.74                                |
|                | 04/12/91    |                            | 9.54                        | 9.54                       | 0.00                 | 45.08                                |
|                | 07/10/91    |                            | 11.55                       | 11.55                      | 0.00                 | 43.07                                |
|                | 09/20/91    |                            | 12.12                       | 12.12                      | 0.00                 | 42.50                                |
|                | 10/21/91    |                            | 11.73                       | 11.76                      | 0.03                 | 42.89                                |
|                | 02/02/92    |                            | 11.16                       | 11.18                      | 0.02                 | 43.46                                |
|                | 04/29/92    |                            | 10.76                       | 10.78                      | 0.02                 | 43.86                                |
|                | 07/29/92    | 54.73                      | 11.70                       | 11.74                      | 0.04                 | 43.03                                |
|                | 10/28/92    |                            | 11.90                       | 11.93                      | 0.03                 | 42.83                                |
|                | 01/26/93    |                            | 10.55                       | 10.59                      | 0.04                 | 44.18                                |
|                | 04/01/93    |                            | 10.15                       | 10.17                      | 0.02                 | 44.58                                |
|                | 08/06/93    |                            | 15.09                       | 15.12                      | 0.03                 | 39.64                                |
|                | 10/14/93    |                            | 15.37                       | 15.37                      | 0.00                 | 39.36                                |
|                | 11/16/93    |                            | 14.86                       | 14.86                      | 0.00                 | 39.87                                |
|                | 12/16/93    |                            | 13.41                       | 13.41                      | 0.00                 | 41.32                                |
|                | 02/10/94    |                            | 9.30                        | 9.30                       | 0.00                 | 45.43                                |
|                | 05/06/94    |                            | 10.02                       | 10.02                      | 0.00                 | 44.71                                |
|                | 08/09/94    |                            | 12.28                       | 12.28                      | 0.00                 | 42.45                                |
|                | 11/17/94    |                            | 9.44                        | 9.44                       | 0.00                 | 45.29                                |
| 02/09/95       |             | 10.95                      | 10.95                       | 0.00                       | 43.78                |                                      |
| 05/08/95       |             | 11.29                      | 11.29                       | 0.00                       | 43.44                |                                      |
| 08/08/95       |             | 9.81                       | 9.81                        | 0.00                       | 44.92                |                                      |
| 11/03/95       |             | 10.42                      | 10.42                       | 0.00                       | 44.31                |                                      |
| A-5            | 03/20/89    | 54.15                      | 8.09                        | 8.09                       | 0.00                 | 46.06                                |
|                | 05/24/89    |                            | 11.13                       | 11.13                      | 0.00                 | 43.02                                |
|                | 08/18/89    |                            | 11.58                       | 11.58                      | 0.00                 | 42.57                                |
|                | 10/27/89    |                            | 10.68                       | 10.68                      | 0.00                 | 43.47                                |
|                | 01/15/90    |                            | 9.24                        | 9.24                       | 0.00                 | 44.91                                |
|                | 04/04/90    |                            | 10.93                       | 10.93                      | 0.00                 | 43.22                                |
|                | 07/30/90    |                            | 11.48                       | 11.48                      | 0.00                 | 42.67                                |
|                | 10/29/90    |                            | 11.77                       | 11.77                      | 0.00                 | 42.38                                |
|                | 01/16/91    |                            | 11.36                       | 11.36                      | 0.00                 | 42.79                                |
|                | 04/12/91    |                            | 9.64                        | 9.64                       | 0.00                 | 44.51                                |
|                | 07/10/91    |                            | 11.30                       | 11.30                      | 0.00                 | 42.85                                |
|                | 10/21/91    |                            | 11.48                       | 11.48                      | 0.00                 | 42.67                                |
|                | 02/02/92    |                            | 10.73                       | 10.73                      | 0.00                 | 43.42                                |
|                | 04/29/92    |                            | 10.58                       | 10.58                      | 0.00                 | 43.57                                |
|                | 07/29/92    | 54.17                      | 11.46                       | 11.46                      | 0.00                 | 42.71                                |
|                | 10/28/92    |                            | 11.55                       | 11.55                      | 0.00                 | 42.62                                |
|                | 01/26/93    |                            | 10.32                       | 10.32                      | 0.00                 | 43.85                                |
|                | 04/01/93    |                            | 10.36                       | 10.36                      | 0.00                 | 43.81                                |
|                | 08/06/93    |                            | 14.82                       | 14.82                      | 0.00                 | 39.35                                |
|                | 10/14/93    |                            | 14.99                       | 14.99                      | 0.00                 | 39.18                                |
|                | 11/16/93    |                            | 14.47                       | 14.47                      | 0.00                 | 39.70                                |
|                | 12/16/93    |                            | 12.94                       | 12.94                      | 0.00                 | 41.23                                |
|                | 02/10/94    |                            | 8.94                        | 8.94                       | 0.00                 | 45.23                                |

Table 2 (continued)  
Liquid Surface Elevation Data

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

| Well Number    | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB) | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |       |
|----------------|-------------|----------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|-------|
| A-5<br>(cont.) | 05/06/94    |                            | 10.48                       | 10.48                      | 0.00                 | 43.69                                |       |
|                | 08/09/94    |                            | 11.86                       | 11.86                      | 0.00                 | 42.31                                |       |
|                | 11/17/94    |                            | 9.49                        | 9.49                       | 0.00                 | 44.68                                |       |
|                | 02/09/95    |                            | 10.50                       | 10.50                      | 0.00                 | 43.67                                |       |
|                | 05/08/95    |                            | 11.15                       | 11.15                      | 0.00                 | 43.02                                |       |
|                | 08/08/95    |                            | 9.39                        | 9.39                       | 0.00                 | 44.78                                |       |
|                | 11/03/95    |                            | 10.00                       | 10.00                      | 0.00                 | 44.17                                |       |
| A-6            | 03/20/89    | 55.13                      | 6.43                        | 6.43                       | 0.00                 | 48.70                                |       |
|                | 05/24/89    |                            | 9.43                        | 9.43                       | 0.00                 | 45.70                                |       |
|                | 08/18/89    |                            | 10.10                       | 10.10                      | 0.00                 | 45.03                                |       |
|                | 10/27/89    |                            | 9.16                        | 9.16                       | 0.00                 | 45.97                                |       |
|                | 01/15/90    |                            | 8.02                        | 8.02                       | 0.00                 | 47.11                                |       |
|                | 04/04/90    |                            | 9.29                        | 9.29                       | 0.00                 | 45.84                                |       |
|                | 07/30/90    |                            | 9.93                        | 9.93                       | 0.00                 | 45.20                                |       |
|                | 10/29/90    |                            | 10.42                       | 10.42                      | 0.00                 | 44.71                                |       |
|                | 01/16/91    |                            | 10.15                       | 10.15                      | 0.00                 | 44.98                                |       |
|                | 04/12/91    |                            | 8.05                        | 8.05                       | 0.00                 | 47.08                                |       |
|                | 07/10/91    |                            | 10.03                       | 10.03                      | 0.00                 | 45.10                                |       |
|                | 10/21/91    |                            | 10.30                       | 10.30                      | 0.00                 | 44.83                                |       |
|                | 02/02/92    |                            | 9.81                        | 9.81                       | 0.00                 | 45.32                                |       |
|                | 04/29/92    |                            |                             | Well Inaccessible          |                      |                                      |       |
|                | 07/29/92    | 55.17                      | 10.40                       | 10.40                      | 0.00                 | 44.77                                |       |
|                | 10/28/92    |                            | 10.55                       | 10.55                      | 0.00                 | 44.62                                |       |
|                | 01/26/93    |                            | 7.50                        | 7.50                       | 0.00                 | 47.67                                |       |
|                | 04/01/93    |                            | 7.59                        | 7.59                       | 0.00                 | 47.58                                |       |
|                | 08/06/93    |                            | 12.32                       | 12.32                      | 0.00                 | 42.85                                |       |
|                | 10/14/93    |                            | 12.82                       | 12.82                      | 0.00                 | 42.35                                |       |
|                | 11/16/93    |                            | 12.34                       | 12.34                      | 0.00                 | 42.83                                |       |
|                | 12/16/93    |                            | 10.40                       | 10.40                      | 0.00                 | 44.77                                |       |
|                | 02/10/94    |                            | 7.53                        | 7.53                       | 0.00                 | 47.64                                |       |
|                | 05/06/94    |                            | 8.71                        | 8.71                       | 0.00                 | 46.46                                |       |
|                | 08/09/94    |                            | 10.57                       | 10.57                      | 0.00                 | 44.60                                |       |
|                | 11/17/94    |                            | 7.91                        | 7.91                       | 0.00                 | 47.26                                |       |
|                | 02/09/95    |                            | 8.13                        | 8.13                       | 0.00                 | 47.04                                |       |
|                | 05/08/95    |                            | 8.85                        | 8.85                       | 0.00                 | 46.32                                |       |
|                | 08/08/95    |                            | 8.98                        | 8.98                       | 0.00                 | 46.19                                |       |
|                | 11/03/95    |                            | 9.64                        | 9.64                       | 0.00                 | 45.53                                |       |
|                | A-7         | 03/20/89                   | 54.67                       | 6.29                       | 6.29                 | 0.00                                 | 48.38 |
|                |             | 05/24/89                   |                             | 9.26                       | 9.26                 | 0.00                                 | 45.41 |
| 08/18/89       |             |                            | 9.97                        | 9.97                       | 0.00                 | 44.70                                |       |
| 10/27/89       |             |                            | 9.02                        | 9.02                       | 0.00                 | 45.65                                |       |
| 01/15/90       |             |                            | 7.90                        | 7.90                       | 0.00                 | 46.77                                |       |
| 04/04/90       |             |                            | 9.15                        | 9.15                       | 0.00                 | 45.52                                |       |
| 07/30/90       |             |                            | 9.80                        | 9.80                       | 0.00                 | 44.87                                |       |
| 10/29/90       |             |                            | 10.30                       | 10.30                      | 0.00                 | 44.37                                |       |
| 01/16/91       |             |                            | 11.35                       | 11.35                      | 0.00                 | 43.32                                |       |
| 04/12/91       |             |                            | 7.90                        | 7.90                       | 0.00                 | 46.77                                |       |
| 07/10/91       |             |                            | 9.82                        | 9.82                       | 0.00                 | 44.85                                |       |
| 10/21/91       |             |                            | 10.12                       | 10.12                      | 0.00                 | 44.55                                |       |
| 02/02/92       |             |                            | 9.28                        | 9.28                       | 0.00                 | 45.39                                |       |
| 04/29/92       |             |                            | 8.85                        | 8.85                       | 0.00                 | 45.82                                |       |
| 07/29/92       |             | 54.71                      | 10.09                       | 10.09                      | 0.00                 | 44.62                                |       |
| 10/28/92       |             |                            | 10.31                       | 10.31                      | 0.00                 | 44.40                                |       |
| 01/26/93       |             |                            | 7.33                        | 7.33                       | 0.00                 | 47.38                                |       |
| 04/01/93       |             |                            | 7.35                        | 7.35                       | 0.00                 | 47.36                                |       |
| 08/06/93       |             |                            | 12.67                       | 12.67                      | 0.00                 | 42.04                                |       |
| 10/14/93       |             |                            | 12.52                       | 12.52                      | 0.00                 | 42.19                                |       |
| 11/16/93       |             | 12.13                      | 12.13                       | 0.00                       | 42.58                |                                      |       |
| 12/16/93       |             | 10.18                      | 10.18                       | 0.00                       | 44.53                |                                      |       |

Table 2 (continued)  
Liquid Surface Elevation Data

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

| Well Number    | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB)   | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |  |
|----------------|-------------|----------------------------|-------------------------------|----------------------------|----------------------|--------------------------------------|--|
| A-7<br>(cont.) | 02/10/94    |                            | 7.40                          | 7.40                       | 0.00                 | 47.31                                |  |
|                | 05/08/94    |                            | 8.41                          | 8.41                       | 0.00                 | 46.30                                |  |
|                | 08/09/94    |                            | 10.57                         | 10.57                      | 0.00                 | 44.14                                |  |
|                | 11/17/94    |                            | 7.91                          | 7.91                       | 0.00                 | 46.80                                |  |
|                | 02/09/95    |                            | 7.85                          | 7.85                       | 0.00                 | 46.86                                |  |
|                | 05/08/95    |                            | 8.36                          | 8.36                       | 0.00                 | 46.35                                |  |
|                | 08/08/95    |                            | 8.66                          | 8.66                       | 0.00                 | 46.05                                |  |
|                | 11/03/95    |                            | 9.25                          | 9.25                       | 0.00                 | 45.46                                |  |
| A-8            | 03/21/86    | 53.61                      | ----- Well Inaccessible ----- |                            |                      |                                      |  |
|                | 01/07/88    |                            | ----- Well Inaccessible ----- |                            |                      |                                      |  |
|                | 03/20/89    |                            | 7.55                          | 8.21                       | 0.66                 | 46.06                                |  |
|                | 05/24/89    |                            | 10.21                         | 11.41                      | 1.20                 | 43.40                                |  |
|                | 08/18/89    |                            | 10.11                         | 10.88                      | 0.77                 | 43.50                                |  |
|                | 10/27/89    |                            | 10.35                         | 11.66                      | 1.31                 | 43.26                                |  |
|                | 01/15/90    |                            | 8.97                          | 9.84                       | 0.87                 | 44.64                                |  |
|                | 04/04/90    |                            | 11.10                         | 11.35                      | 0.25                 | 42.51                                |  |
|                | 07/30/90    |                            | 8.73                          | 10.48                      | 1.75                 | 44.88                                |  |
|                | 10/29/90    |                            | 11.29                         | 11.39                      | 0.10                 | 42.32                                |  |
|                | 01/16/91    |                            | 11.10                         | 11.11                      | 0.01                 | 42.51                                |  |
|                | 04/12/91    |                            | 9.15                          | 9.16                       | 0.01                 | 44.46                                |  |
|                | 07/10/91    |                            | 10.72                         | 10.73                      | 0.01                 | 42.89                                |  |
|                | 10/21/91    |                            | 10.87                         | 10.98                      | 0.11                 | 42.74                                |  |
|                | 02/02/92    |                            | 9.40                          | 10.80                      | 1.40                 | 44.21                                |  |
|                | 04/29/92    |                            | 9.85                          | 11.15                      | 1.30                 | 43.76                                |  |
|                | 07/29/92    | 53.77                      | 11.27                         | 11.33                      | 0.06                 | 42.50                                |  |
|                | 10/28/92    |                            | ----- Well Dry -----          |                            |                      |                                      |  |
|                | 01/26/93    |                            | ----- Well Dry -----          |                            |                      |                                      |  |
|                | 04/01/93    |                            | 9.38                          | 9.38                       | 0.00                 | 44.39                                |  |
|                | 08/06/93    |                            | ----- Well Dry -----          |                            |                      |                                      |  |
|                | 10/14/93    |                            | 13.10                         | 13.10                      | 0.00                 | 40.67                                |  |
|                | 11/16/93    |                            | ----- Well Dry -----          |                            |                      |                                      |  |
|                | 12/16/93    |                            | 13.40                         | 13.40                      | 0.00                 | 40.37                                |  |
|                | 02/10/94    |                            | 8.93                          | 8.94                       | 0.01                 | 44.84                                |  |
|                | 05/06/94    |                            | 8.38                          | 8.80                       | 0.42                 | 45.39                                |  |
|                | 08/09/94    |                            | 10.13                         | 10.46                      | 0.33                 | 43.64                                |  |
| 11/17/94       |             | 9.09                       | 9.41                          | 0.32                       | 44.68                |                                      |  |
| 02/09/95       |             | 9.07                       | 9.07                          | 0.00                       | 44.70                |                                      |  |
| 05/08/95       |             | 10.60                      | 10.60                         | <0.01                      | 43.17                |                                      |  |
| 08/08/95       |             | 8.87                       | 8.87                          | 0.00                       | 44.90                |                                      |  |
| 11/03/95       |             | 9.59                       | 9.60                          | 0.01                       | 44.18                |                                      |  |
| A-9            | 03/20/89    | 52.96                      | 6.28                          | 6.28                       | 0.00                 | 46.68                                |  |
|                | 05/24/89    |                            | 10.12                         | 10.12                      | 0.00                 | 42.84                                |  |
|                | 08/18/89    |                            | 9.51                          | 9.51                       | 0.00                 | 43.45                                |  |
|                | 10/27/89    |                            | 8.56                          | 8.56                       | 0.00                 | 44.40                                |  |
|                | 01/15/90    |                            | 7.20                          | 7.20                       | 0.00                 | 45.76                                |  |
|                | 04/04/90    |                            | 8.78                          | 8.78                       | 0.00                 | 44.18                                |  |
|                | 07/30/90    |                            | 10.16                         | 10.16                      | 0.00                 | 42.80                                |  |
|                | 10/29/90    |                            | 10.71                         | 10.71                      | 0.00                 | 42.25                                |  |
|                | 01/16/91    |                            | 10.44                         | 10.44                      | 0.00                 | 42.52                                |  |
|                | 04/12/91    |                            | 8.69                          | 8.69                       | 0.00                 | 44.27                                |  |
|                | 07/10/91    |                            | 10.23                         | 10.23                      | 0.00                 | 42.73                                |  |
|                | 09/20/91    |                            | 10.47                         | 10.47                      | 0.00                 | 42.49                                |  |
|                | 10/21/91    |                            | 10.39                         | 10.39                      | 0.00                 | 42.57                                |  |
|                | 02/02/92    |                            | 9.05                          | 9.05                       | 0.00                 | 43.91                                |  |
|                | 04/29/92    |                            | 9.56                          | 9.56                       | 0.00                 | 43.40                                |  |
|                | 07/29/92    | 53.04                      | 10.43                         | 10.43                      | 0.00                 | 42.61                                |  |
|                | 10/28/92    |                            | ----- Well Inaccessible ----- |                            |                      |                                      |  |
|                | 01/26/93    |                            | ----- Well Inaccessible ----- |                            |                      |                                      |  |
|                | 04/01/93    |                            | ----- Well Inaccessible ----- |                            |                      |                                      |  |

Table 2 (continued)  
Liquid Surface Elevation Data

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

| Well Number    | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB) | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |       |
|----------------|-------------|----------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|-------|
| A-9<br>(cont.) | 08/06/93    |                            |                             |                            |                      | Well Inaccessible                    |       |
|                | 10/14/93    |                            |                             |                            |                      | Well Inaccessible                    |       |
|                | 11/16/93    |                            |                             |                            |                      | Well Inaccessible                    |       |
|                | 12/16/93    |                            | 12.10                       | 12.10                      | 0.00                 | 40.94                                |       |
|                | 02/10/94    |                            | 8.00                        | 8.00                       | 0.00                 | 45.04                                |       |
|                | 03/21/94    |                            | 9.62                        | 9.62                       | 0.00                 | 43.42                                |       |
|                | 05/06/94    |                            | 9.41                        | 9.41                       | 0.00                 | 43.63                                |       |
|                | 08/09/94    |                            | 10.81                       | 10.81                      | 0.00                 | 42.23                                |       |
|                | 11/17/94    |                            | 9.89                        | 9.89                       | 0.00                 | 43.15                                |       |
|                | 02/09/95    |                            | 9.97                        | 9.97                       | 0.00                 | 43.07                                |       |
|                | 05/08/95    |                            | 10.28                       | 10.28                      | 0.00                 | 42.76                                |       |
|                | 08/08/95    |                            | 8.33                        | 8.33                       | 0.00                 | 44.71                                |       |
|                | 11/03/95    |                            | 9.00                        | 9.00                       | 0.00                 | 44.04                                |       |
| A-10           | 03/20/89    | 54.16                      | 8.52                        | 8.52                       | 0.00                 | 45.64                                |       |
|                | 05/24/89    |                            | 11.31                       | 11.31                      | 0.00                 | 42.85                                |       |
|                | 08/18/89    |                            | 11.82                       | 11.82                      | 0.00                 | 42.34                                |       |
|                | 10/27/89    |                            | 10.94                       | 10.94                      | 0.00                 | 43.22                                |       |
|                | 01/15/90    |                            | 9.58                        | 9.58                       | 0.00                 | 44.58                                |       |
|                | 04/04/90    |                            |                             |                            |                      | Well Inaccessible                    |       |
|                | 07/30/90    |                            | 11.57                       | 11.57                      | 0.00                 | 42.59                                |       |
|                | 10/29/90    |                            | 12.11                       | 12.11                      | 0.00                 | 42.05                                |       |
|                | 01/16/91    |                            | 11.60                       | 11.60                      | 0.00                 | 42.56                                |       |
|                | 04/12/91    |                            | 10.04                       | 10.04                      | 0.00                 | 44.12                                |       |
|                | 07/10/91    |                            | 11.55                       | 11.55                      | 0.00                 | 42.61                                |       |
|                | 10/21/91    |                            | 11.79                       | 11.79                      | 0.00                 | 42.37                                |       |
|                | 02/02/92    |                            |                             |                            |                      | Well Inaccessible                    |       |
|                | 04/29/92    |                            |                             | 10.85                      | 10.85                | 0.00                                 | 43.31 |
|                | 07/29/92    | 54.28                      |                             | 11.84                      | 11.84                | 0.00                                 | 42.42 |
|                | 10/28/92    |                            |                             | 11.89                      | 11.89                | 0.00                                 | 42.37 |
|                | 01/26/93    |                            |                             | 10.81                      | 10.81                | 0.00                                 | 43.45 |
|                | 04/01/93    |                            |                             | 10.85                      | 10.85                | 0.00                                 | 43.41 |
|                | 08/06/93    |                            |                             | 15.06                      | 15.06                | 0.00                                 | 39.20 |
|                | 10/14/93    |                            |                             | 15.22                      | 15.22                | 0.00                                 | 39.04 |
|                | 11/16/93    |                            |                             | 14.70                      | 14.70                | 0.00                                 | 39.56 |
|                | 12/16/93    |                            |                             | 13.22                      | 13.22                | 0.00                                 | 41.04 |
|                | 02/10/94    |                            |                             | 9.61                       | 9.61                 | 0.00                                 | 44.65 |
|                | 05/06/94    |                            |                             | 10.81                      | 10.81                | 0.00                                 | 43.45 |
|                | 08/09/94    |                            |                             | 12.24                      | 12.24                | 0.00                                 | 42.02 |
|                | 11/17/94    |                            |                             | 9.89                       | 9.89                 | 0.00                                 | 44.37 |
|                | 02/09/95    |                            |                             | 11.00                      | 11.00                | 0.00                                 | 43.26 |
|                | 05/08/95    |                            |                             | 11.60                      | 11.60                | 0.00                                 | 42.66 |
|                | 08/08/95    |                            |                             | 9.65                       | 9.65                 | 0.00                                 | 44.61 |
|                | 11/03/95    |                            |                             | 10.28                      | 10.28                | 0.00                                 | 43.98 |
| A-11           | 03/20/89    | 53.75                      | 8.11                        | 8.11                       | 0.00                 | 45.64                                |       |
|                | 05/24/89    |                            | 10.92                       | 10.92                      | 0.00                 | 42.83                                |       |
|                | 08/18/89    |                            | 11.52                       | 11.52                      | 0.00                 | 42.23                                |       |
|                | 10/27/89    |                            | 10.63                       | 10.63                      | 0.00                 | 43.12                                |       |
|                | 01/15/90    |                            | 9.22                        | 9.22                       | 0.00                 | 44.53                                |       |
|                | 04/04/90    |                            | 10.85                       | 10.85                      | 0.00                 | 42.90                                |       |
|                | 07/30/90    |                            | 11.29                       | 11.29                      | 0.00                 | 42.46                                |       |
|                | 10/29/90    |                            | 11.66                       | 11.66                      | 0.00                 | 42.09                                |       |
|                | 01/16/91    |                            | 11.31                       | 11.31                      | 0.00                 | 42.44                                |       |
|                | 04/12/91    |                            | 9.55                        | 9.55                       | 0.00                 | 44.20                                |       |
|                | 07/10/91    |                            | 11.18                       | 11.18                      | 0.00                 | 42.57                                |       |
|                | 10/21/91    |                            | 11.24                       | 11.24                      | 0.00                 | 42.51                                |       |
|                | 02/02/92    |                            | 10.70                       | 10.70                      | 0.00                 | 43.05                                |       |
|                | 04/29/92    |                            | 10.57                       | 10.57                      | 0.00                 | 43.18                                |       |
|                | 07/29/92    | 53.74                      |                             | 11.33                      | 11.33                | 0.00                                 | 42.41 |
|                | 10/28/92    |                            |                             | 11.54                      | 11.54                | 0.00                                 | 42.20 |

Table 2 (continued)  
Liquid Surface Elevation Data

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

| Well Number     | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB) | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |
|-----------------|-------------|----------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|
| A-11<br>(cont.) | 01/26/93    |                            | 9.90                        | 9.90                       | 0.00                 | 43.84                                |
|                 | 04/01/93    |                            | 10.11                       | 10.11                      | 0.00                 | 43.63                                |
|                 | 08/06/93    |                            | 14.43                       | 14.43                      | 0.00                 | 39.31                                |
|                 | 10/14/93    |                            | 14.72                       | 14.72                      | 0.00                 | 39.02                                |
|                 | 11/18/93    |                            | NM                          | NM                         | NM                   | NM                                   |
|                 | 12/16/93    |                            | NM                          | NM                         | NM                   | NM                                   |
|                 | 02/10/94    |                            | 9.30                        | 9.30                       | 0.00                 | 44.44                                |
|                 | 05/06/94    |                            | 9.94                        | 9.94                       | 0.00                 | 43.80                                |
|                 | 08/09/94    |                            | 11.67                       | 11.67                      | 0.00                 | 42.07                                |
|                 | 11/17/94    |                            | 9.32                        | 9.32                       | 0.00                 | 44.42                                |
|                 | 02/09/95    |                            | 10.20                       | 10.20                      | 0.00                 | 43.54                                |
|                 | 05/08/95    |                            | 10.88                       | 10.88                      | 0.00                 | 42.86                                |
|                 | 08/08/95    |                            | 9.37                        | 9.37                       | 0.00                 | 44.37                                |
|                 | 11/03/95    |                            | 10.10                       | 10.10                      | 0.00                 | 43.64                                |
| A-12            | 03/20/89    | 52.05                      | 8.00                        | 8.00                       | 0.00                 | 44.05                                |
|                 | 05/24/89    |                            | 10.35                       | 10.35                      | 0.00                 | 41.70                                |
|                 | 08/18/89    |                            | 10.75                       | 10.75                      | 0.00                 | 41.30                                |
|                 | 10/27/89    |                            | 10.06                       | 10.06                      | 0.00                 | 41.99                                |
|                 | 01/15/90    |                            | 8.88                        | 8.88                       | 0.00                 | 43.17                                |
|                 | 04/04/90    |                            | 10.30                       | 10.30                      | 0.00                 | 41.75                                |
|                 | 07/30/90    |                            | 10.66                       | 10.66                      | 0.00                 | 41.39                                |
|                 | 10/29/90    |                            | 10.90                       | 10.90                      | 0.00                 | 41.15                                |
|                 | 01/16/91    |                            | 10.60                       | 10.60                      | 0.00                 | 41.45                                |
|                 | 04/12/91    |                            | 9.45                        | 9.45                       | 0.00                 | 42.60                                |
|                 | 07/10/91    |                            | 10.56                       | 10.56                      | 0.00                 | 41.49                                |
|                 | 10/21/91    |                            | 10.62                       | 10.62                      | 0.00                 | 41.43                                |
|                 | 02/02/92    |                            | 10.10                       | 10.10                      | 0.00                 | 41.95                                |
|                 | 04/29/92    |                            | 10.19                       | 10.19                      | 0.00                 | 41.86                                |
|                 | 07/29/92    |                            | 10.81                       | 10.81                      | 0.00                 | 41.24                                |
|                 | 10/28/92    |                            | 10.81                       | 10.81                      | 0.00                 | 41.24                                |
|                 | 01/26/93    |                            | 9.48                        | 9.48                       | 0.00                 | 42.57                                |
|                 | 04/01/93    |                            | 10.67                       | 10.67                      | 0.00                 | 41.38                                |
|                 | 08/06/93    |                            | 12.95                       | 12.95                      | 0.00                 | 39.10                                |
|                 | 10/14/93    |                            | 13.28                       | 13.28                      | 0.00                 | 38.77                                |
|                 | 11/16/93    |                            | NM                          | NM                         | NM                   | NM                                   |
|                 | 12/16/93    |                            | NM                          | NM                         | NM                   | NM                                   |
|                 | 02/10/94    |                            | 8.66                        | 8.66                       | 0.00                 | 43.39                                |
| 05/06/94        |             | 9.89                       | 9.89                        | 0.00                       | 42.16                |                                      |
| 08/09/94        |             | 11.07                      | 11.07                       | 0.00                       | 40.98                |                                      |
| 11/17/94        |             | 9.17                       | 9.17                        | 0.00                       | 42.88                |                                      |
| 02/09/95        |             | 9.90                       | 9.90                        | 0.00                       | 42.15                |                                      |
| 05/08/95        |             | 10.27                      | 10.27                       | 0.00                       | 41.78                |                                      |
| 08/08/95        |             | 8.47                       | 8.47                        | 0.00                       | 43.58                |                                      |
| 11/03/95        |             | 9.10                       | 9.10                        | 0.00                       | 42.95                |                                      |
| A-13            | 07/01/92    | 55.11                      | 9.93                        | 9.93                       | 0.00                 | 45.18                                |
|                 | 07/29/92    |                            | 11.12                       | 11.12                      | 0.00                 | 43.99                                |
|                 | 10/28/92    |                            | 10.84                       | 10.84                      | 0.00                 | 44.27                                |
|                 | 01/26/93    |                            | 8.99                        | 8.99                       | 0.00                 | 46.12                                |
|                 | 04/01/93    |                            | 9.18                        | 9.18                       | 0.00                 | 45.93                                |
|                 | 08/06/93    |                            | 13.70                       | 13.70                      | 0.00                 | 41.41                                |
|                 | 10/14/93    |                            | 14.02                       | 14.02                      | 0.00                 | 41.09                                |
|                 | 11/16/93    |                            | NM                          | NM                         | NM                   | NM                                   |
|                 | 12/16/93    |                            | NM                          | NM                         | NM                   | NM                                   |
|                 | 02/10/94    |                            | 9.64                        | 9.64                       | 0.00                 | 45.47                                |
|                 | 05/06/94    |                            | 10.29                       | 10.29                      | 0.00                 | 44.82                                |
|                 | 08/09/94    |                            | 11.45                       | 11.45                      | 0.00                 | 43.66                                |
|                 | 11/17/94    |                            | 9.67                        | 9.67                       | 0.00                 | 45.44                                |
|                 | 02/09/95    |                            | 9.38                        | 9.38                       | 0.00                 | 45.73                                |
|                 | 05/08/95    |                            | 10.32                       | 10.32                      | 0.00                 | 44.79                                |

Table 2 (continued)  
Liquid Surface Elevation Data

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

| Well Number          | Date Gauged | Well Elevation (feet, MSL) | Depth to Liquid (feet, TOB) | Depth to Water (feet, TOB) | SPH Thickness (feet) | Liquid Surface Elevation (feet, MSL) |
|----------------------|-------------|----------------------------|-----------------------------|----------------------------|----------------------|--------------------------------------|
| A-13<br>(cont.)      | 08/08/95    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 11/03/95    |                            |                             |                            |                      | Well Inaccessible                    |
| AR-1                 | 07/01/92    | 54.72                      | 10.27                       | 10.27                      | 0.00                 | 44.45                                |
|                      | 07/29/92    |                            | 11.32                       | 11.32                      | 0.00                 | 43.40                                |
|                      | 10/28/92    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 01/26/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 04/01/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 08/08/93    |                            | 17.42                       | 17.42                      | 0.00                 | 37.30                                |
|                      | 10/14/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 11/16/93    |                            | 13.76                       | 13.76                      | 0.00                 | 40.96                                |
|                      | 12/16/93    |                            | 19.44                       | 19.44                      | 0.00                 | 35.28                                |
|                      | 02/10/94    |                            | 9.00                        | 9.00                       | 0.00                 | 45.72                                |
|                      | 03/21/94    |                            | 9.99                        | 10.00                      | 0.01                 | 44.73                                |
|                      | 05/06/94    |                            | 19.61                       | 19.61                      | 0.00                 | 35.11                                |
|                      | 08/09/94    |                            | 17.51                       | 17.59                      | 0.08                 | 37.21                                |
|                      | 11/17/94    |                            | 17.39                       | 17.39                      | sheen                | 37.33                                |
|                      | 02/09/95    |                            | 18.83                       | 18.83                      | 0.00                 | 35.89                                |
|                      | 05/08/95    |                            | 10.96                       | 10.96                      | 0.00                 | 43.76                                |
|                      | 08/08/95    |                            | 9.70                        | 9.70                       | 0.00                 | 45.02                                |
| 11/03/95             |             | 10.32                      | 10.32                       | 0.00                       | 44.40                |                                      |
| AR-2                 | 07/01/92    | 54.77                      | 11.33                       | 11.33                      | 0.00                 | 43.44                                |
|                      | 07/29/92    |                            | 11.90                       | 11.90                      | 0.00                 | 42.87                                |
|                      | 10/28/92    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 01/26/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 04/01/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 08/06/93    |                            | 17.16                       | 17.16                      | 0.00                 | 37.61                                |
|                      | 10/14/93    |                            | 18.11                       | 18.11                      | 0.00                 | 36.66                                |
|                      | 11/16/93    |                            | 17.92                       | 17.92                      | 0.00                 | 38.85                                |
|                      | 12/16/93    |                            | 18.02                       | 18.02                      | 0.00                 | 36.75                                |
|                      | 02/10/94    |                            | 9.32                        | 9.32                       | 0.00                 | 45.45                                |
|                      | 03/21/94    |                            | 10.36                       | 10.36                      | 0.00                 | 44.41                                |
|                      | 05/06/94    |                            | 15.14                       | 15.14                      | 0.00                 | 39.63                                |
|                      | 08/09/94    |                            | 18.25                       | 18.25                      | 0.00                 | 36.52                                |
|                      | 11/17/94    |                            | 18.10                       | 18.10                      | 0.00                 | 36.67                                |
|                      | 02/09/95    |                            | 17.10                       | 17.10                      | 0.00                 | 37.67                                |
|                      | 05/08/95    |                            | 18.25                       | 18.25                      | 0.00                 | 36.52                                |
|                      | 08/08/95    |                            | 10.20                       | 10.20                      | 0.00                 | 44.57                                |
| 11/03/95             |             | 10.27                      | 10.27                       | 0.00                       | 44.50                |                                      |
| AR-3                 | 07/01/92    | 54.19                      | 10.11                       | 10.11                      | 0.00                 | 44.08                                |
|                      | 07/29/92    |                            | 11.55                       | 11.55                      | 0.00                 | 42.64                                |
|                      | 10/28/92    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 01/26/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 04/01/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 08/06/93    |                            | 16.12                       | 16.12                      | 0.00                 | 38.07                                |
|                      | 10/14/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 11/16/93    |                            | 16.38                       | 16.38                      | 0.00                 | 37.81                                |
|                      | 12/16/93    |                            |                             |                            |                      | Well Inaccessible                    |
|                      | 02/10/94    |                            | 9.20                        | 9.20                       | 0.00                 | 44.99                                |
|                      | 03/21/94    |                            | 10.80                       | 10.80                      | 0.00                 | 43.39                                |
|                      | 05/06/94    |                            | 10.54                       | 10.54                      | 0.00                 | 43.65                                |
|                      | 08/09/94    |                            | 11.92                       | 11.92                      | 0.00                 | 42.27                                |
|                      | 11/17/94    |                            | 9.62                        | 9.62                       | 0.00                 | 44.57                                |
|                      | 02/09/95    |                            | 15.90                       | 15.90                      | 0.00                 | 38.29                                |
|                      | 05/08/95    |                            | 17.75                       | 17.75                      | 0.00                 | 36.44                                |
|                      | 08/08/95    |                            | 9.47                        | 9.47                       | 0.00                 | 44.72                                |
| 11/03/95             |             | 10.05                      | 10.05                       | 0.00                       | 44.14                |                                      |
| MSL = Mean sea level |             |                            |                             |                            |                      |                                      |
| TOB = Top of box     |             |                            |                             |                            |                      |                                      |
| NM = Not measured    |             |                            |                             |                            |                      |                                      |



Table 3  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number | Date Sampled | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb)     | Ethylbenzene (ppb) | Xylenes (ppb) |  |
|-------------|--------------|------------------------|---------------|-------------------|--------------------|---------------|--|
| A-2         | 03/21/86     | 31,000                 | NA            | NA                | NA                 | NA            |  |
|             | 01/07/88     | 12,000                 | 920           | 1,500             | ---                | 4,000         |  |
|             | 03/20/89     | 22,000                 | 1,200         | 1,800             | 1,200              | 7,700         |  |
|             | 05/24/89     | 9,000                  | 460           | 260               | 250                | 2,400         |  |
|             | 08/18/89     | 14,000                 | 900           | 200               | <200               | 1,300         |  |
|             | 10/27/89     | 16,000                 | 1,200         | 340               | 90                 | 3,100         |  |
|             | 01/15/90     | 9,900                  | 1,100         | 460               | 150                | 2,900         |  |
|             | 04/04/90     | 16,000                 | 1,100         | 400               | 380                | 3,900         |  |
|             | 07/30/90     | 16,000                 | 1,400         | 340               | 290                | 3,600         |  |
|             | 07/30/90     | 16,000                 | 1,400         | 340               | 290                | 3,600         |  |
|             | 10/29/90     | 14,000                 | 1,100         | 210               | 66                 | 2,700         |  |
|             | 01/16/91     | 15,000                 | 1,200         | 800               | 190                | 4,600         |  |
|             | 04/12/91     | 16,000                 | 640           | 290               | 280                | 2,600         |  |
|             | 10/21/91     | 26,000                 | 1,100         | 560               | 81                 | 3,900         |  |
|             | 02/02/92     | 11,000                 | 150           | 13                | 91                 | 94            |  |
|             | 04/29/92     | 5,400                  | 120           | 16                | 129                | 19            |  |
|             | 07/30/92     | 590                    | 10            | <2.0              | <2.0               | 9             |  |
|             | 10/29/92     | 77                     | 0.56          | <0.50             | <0.50              | 0.51          |  |
|             | 01/26/93     | 390                    | 0.87          | <0.50             | <0.50              | 4.3           |  |
|             | 04/01/93     | 16,000                 | <10           | <10               | <10                | <10           |  |
|             | 08/06/93     |                        |               | Well Dry          |                    |               |  |
|             | 10/14/93     | 350                    | <0.5          | <0.5              | <0.5               | <0.5          |  |
|             | 02/10/94     |                        |               | Well Dry          |                    |               |  |
|             | 03/21/94     | 66                     | <0.5          | <0.5              | <0.5               | <0.5          |  |
|             | 05/06/94     |                        |               | Well Inaccessible |                    |               |  |
|             | 08/09/94     | <50                    | 1.1           | <0.5              | <0.5               | <0.5          |  |
|             | 11/17/94     | <50                    | <0.5          | <0.5              | <0.5               | <0.5          |  |
|             | 02/09/95     | 50                     | 1.7           | 2.0               | <0.5               | 1.6           |  |
|             | 05/08/95     | <50                    | 1.4           | 1.4               | <0.50              | 0.50          |  |
|             | 08/08/95     | <50                    | <0.50         | <0.50             | <0.50              | <0.50         |  |
| 11/03/95    | <50          | <0.50                  | <0.50         | <0.50             | <0.50              |               |  |
| A-3         | 03/21/86     | 1,000                  | NA            | NA                | NA                 | NA            |  |
|             | 01/07/88     | 250                    | 2.3           | 8                 | NA                 | 21            |  |
|             | 03/20/89     | 230                    | 1.6           | <1                | 3                  | 3             |  |
|             | 05/24/89     | 170                    | 0.9           | 2                 | 1                  | <3            |  |
|             | 08/18/89     | 180                    | 0.7           | 1                 | <1                 | <3            |  |
|             | 10/27/89     | 120                    | <0.5          | <0.5              | <0.5               | <1            |  |
|             | 01/15/90     | <50                    | <0.5          | <0.5              | <0.5               | <1            |  |
|             | 04/04/90     | 88                     | 1.2           | 2.0               | 0.8                | 4             |  |
|             | 07/30/90     | 120                    | 8.3           | 2.9               | 2.3                | 12            |  |
|             | 10/29/90     | 780                    | 10            | 27                | 18                 | 85            |  |
|             | 01/16/91     | 69                     | 2.0           | 3.5               | <0.5               | 9.6           |  |
|             | 04/12/91     | <30                    | <0.30         | <0.30             | <0.30              | <0.30         |  |
|             | 07/10/91     | 59                     | <0.30         | <0.30             | 0.50               | 0.51          |  |
|             | 10/21/91     | 56                     | 0.44          | 0.77              | 0.41               | 1.3           |  |
|             | 02/01/92     |                        |               | Well Inaccessible |                    |               |  |
|             | 04/29/92     |                        |               | Well Inaccessible |                    |               |  |
|             | 07/30/92     | <50                    | <0.50         | <0.50             | <0.50              | <0.50         |  |
|             | 10/28/92     | <50                    | <0.50         | <0.50             | <0.50              | <0.50         |  |
|             | 01/26/93     | <50                    | <0.50         | <0.50             | <0.50              | <0.50         |  |
|             | 04/01/93     | <50                    | <0.50         | <0.50             | <0.50              | <0.50         |  |
|             | 08/06/93     | <50                    | <0.5          | <0.5              | <0.5               | <0.5          |  |
|             | 10/14/93     | <50                    | <0.5          | <0.5              | <0.5               | <0.5          |  |
| 02/10/94    | <50          | <0.5                   | <0.5          | <0.5              | <0.5               |               |  |
| 05/06/94    | <50          | <0.5                   | <0.5          | <0.5              | <0.5               |               |  |
| 08/09/94    | <50          | <0.5                   | <0.5          | <0.5              | <0.5               |               |  |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number    | Date Sampled | TPPH as Gasoline (ppb)                               | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) |  |
|----------------|--------------|--|---------------|---------------|--------------------|---------------|--|
| A-3<br>(cont.) | 11/17/94     | <50  | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 02/09/95     | 90   | 0.9           | <0.5          | 0.7                | 1.3           |  |
|                | 05/08/95     | <50  | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 08/08/95     | NS   | NS            | NS            | NS                 | NS            |  |
|                | 11/03/95     | <50  | <0.50         | <0.50         | <0.50              | <0.50         |  |
| A-4            | 03/21/86     | ----- 3.50 feet of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 01/07/88     | ----- 0.02 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 03/20/89     | 360,000  | 1,500         | 3,700         | 6,500              | 35,000        |  |
|                | 05/24/89     | 1,500,000  | 1,000         | 2,000         | 6,000              | 23,000        |  |
|                | 08/18/89     | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 10/27/89     | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 01/15/90     | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 04/04/90     | 40,000   | 680           | 320           | 1,400              | 4,900         |  |
|                | 07/30/90     | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 10/29/90     | ----- 0.03 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 01/16/91     | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 04/12/91     | 1,800  | <60           | 90            | 650                | 1,700         |  |
|                | 07/10/91     | 61,000   | 2,700         | 8,500         | 1,700              | 8,200         |  |
|                | 09/20/91     | NA   | 1,200         | 5,300         | 1,500              | 11,000        |  |
|                | 02/01/92     | ----- 0.02 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 04/29/92     | ----- 0.02 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 07/29/92     | ----- 0.04 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 10/28/92     | ----- 0.03 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 01/26/93     | ----- 0.04 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 04/01/93     | ----- 0.02 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 08/06/93     | ----- 0.03 foot of Separate-Phase Hydrocarbons ----- |               |               |                    |               |  |
|                | 10/14/93     | 160,000  | 1,200         | <250          | 4,100              | 950           |  |
|                | 02/10/94     | 56,000   | 220           | 68            | 790                | 700           |  |
| 05/06/94       | 18,000       | 210  | <30           | 200           | 101                |               |  |
| 08/09/94       | 20,000       | 800  | <20           | 200           | 270                |               |  |
| 11/17/94       | 3,900        | 420  | 11            | 38            | 92                 |               |  |
| 02/09/95       | 14,000       | 2,900  | 7.5           | 420           | 440                |               |  |
| 05/08/95       | 5,100        | 700  | <10 b         | 79            | 160                |               |  |
| 08/08/95       | 4,200        | 240  | 17            | 88            | 110                |               |  |
| 11/03/95       | 1,200        | 22   | <0.50         | 6.4           | 3.7                |               |  |
| A-5            | 03/21/86     | 88   | NA            | NA            | NA                 | NA            |  |
|                | 01/07/88     | <50  | 0.5           | 1             | NA                 | 4             |  |
|                | 03/20/89     | 60   | 0.5           | 1             | 2                  | 10            |  |
|                | 05/24/89     | <50  | 0.5           | <1            | <1                 | <3            |  |
|                | 08/18/89     | <50  | <0.5          | <1            | <1                 | <3            |  |
|                | 10/27/89     | <50  | <0.50         | <0.50         | <0.50              | <1            |  |
|                | 01/15/90     | <50  | <0.5          | <0.5          | <0.5               | <1            |  |
|                | 04/04/90     | <50  | <0.5          | <0.5          | <0.5               | <1            |  |
|                | 07/30/90     | <50  | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 10/29/90     | 280  | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 01/16/91     | <50  | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 04/12/91     | <30  | <0.30         | <0.30         | <0.30              | 0.84          |  |
|                | 07/10/91     | <30  | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 10/21/91     | <30  | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 02/01/92     | <30  | 1.7           | <0.30         | <0.30              | <0.30         |  |
|                | 04/29/92     | <30  | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 07/30/92     | <50  | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 10/28/92     | <50  | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 01/26/93     | <50  | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 04/01/93     | <50  | <0.50         | <0.50         | <0.50              | <0.50         |  |
| 08/06/93       | <50          | <0.5   | <0.5          | <0.5          | <0.5               |               |  |
| 10/14/93       | <50          | <0.5   | <0.5          | <0.5          | <0.5               |               |  |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number    | Date Sampled | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) |  |
|----------------|--------------|------------------------|---------------|---------------|--------------------|---------------|--|
| A-5<br>(cont.) | 02/10/94     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 05/06/94     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 08/09/94     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 11/17/94     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 02/09/95     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 05/08/95     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 08/08/95     | NS                     | NS            | NS            | NS                 | NS            |  |
|                | 11/03/95     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |
| A-6            | 03/21/88     | <10                    | NA            | NA            | NA                 | NA            |  |
|                | 01/07/88     | 390                    | 54            | 89            | NA                 | 110           |  |
|                | 03/20/89     | 220                    | 33            | 21            | 9                  | 39            |  |
|                | 05/24/89     | 110                    | 13            | 6             | 3                  | 13            |  |
|                | 08/18/89     | <50                    | 2.1           | 1             | <1                 | <3            |  |
|                | 10/27/89     | 55                     | 3.8           | 1.6           | 1.7                | 6             |  |
|                | 01/15/90     | 100                    | 12            | 2.5           | 5.5                | 18            |  |
|                | 04/04/90     | 100                    | 17            | 7.1           | 5.5                | 18            |  |
|                | 07/30/90     | <50                    | 2.6           | <0.5          | <0.5               | 1.2           |  |
|                | 10/29/90     | <50                    | 0.7           | <0.5          | <0.5               | <0.5          |  |
|                | 01/16/91     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 04/12/91     | 430                    | 24            | 5.1           | 9.4                | 32            |  |
|                | 07/10/91     | <30                    | 1.4           | 0.39          | 0.47               | 1.5           |  |
|                | 10/21/91     | <30                    | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 02/01/92     | <30                    | 2.0           | 0.40          | 0.58               | 1.7           |  |
|                | 04/29/92     | Well Inaccessible      |               |               |                    |               |  |
|                | 07/30/92     | <50                    | 0.64          | <0.50         | <0.50              | <0.50         |  |
|                | 10/28/92     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 01/26/93     | 1,600                  | 4.8           | 1.2           | 14                 | 46            |  |
|                | 04/01/93     | 310                    | 4.8           | 0.74          | 3.3                | 8.7           |  |
|                | 08/06/93     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 10/14/93     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 02/10/94     | 140                    | 2.8           | <0.5          | 2.4                | 5.6           |  |
| 05/06/94       | 61           | 1.7                    | <0.5          | 0.6           | 1.4                |               |  |
| 08/09/94       | <50          | <0.5                   | <0.5          | <0.5          | <0.5               |               |  |
| 11/17/94       | 53           | <0.5                   | <0.5          | <0.5          | <0.5               |               |  |
| 02/09/95       | 90           | 17                     | 0.8           | 1.2           | 6.0                |               |  |
| 05/08/95       | 100          | 7.9                    | <0.50         | 4.1           | 8.6                |               |  |
| 08/08/95       | <50          | <0.50                  | <0.50         | <0.50         | <0.50              |               |  |
| 11/03/95       | <50          | <0.50                  | <0.50         | <0.50         | <0.50              |               |  |
| A-7            | 01/07/88     | <50                    | <0.5          | 1             | NA                 | 4             |  |
|                | 03/20/89     | <50                    | 0.9           | <1            | <1                 | <3            |  |
|                | 05/24/89     | <50                    | <0.5          | <1            | <1                 | <3            |  |
|                | 08/18/89     | <50                    | <0.5          | <1            | <1                 | <3            |  |
|                | 10/27/89     | <50                    | <0.5          | <0.5          | <0.5               | <1            |  |
|                | 01/15/90     | <50                    | <0.5          | <0.5          | <0.5               | <1            |  |
|                | 04/04/90     | <50                    | <0.5          | <0.5          | <0.5               | <1            |  |
|                | 07/30/90     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 10/29/90     | <50                    | 2.7           | 7.6           | 1.1                | 3.0           |  |
|                | 01/16/91     | <50                    | <0.5          | <0.5          | <0.5               | <0.5          |  |
|                | 04/12/91     | <30                    | <0.30         | <0.30         | <0.30              | 0.48          |  |
|                | 07/10/91     | <30                    | <0.30         | 0.49          | <0.30              | 1.2           |  |
|                | 10/21/91     | <30                    | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 02/01/92     | <30                    | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 04/29/92     | <30                    | <0.30         | <0.30         | <0.30              | <0.30         |  |
|                | 07/29/92     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 10/28/92     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 01/26/93     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |
|                | 04/01/93     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |  |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number    | Date Sampled   | TPPH as Gasoline (ppb)                               | Benzene (ppb)                 | Toluene (ppb) | Ethyl-benzene (ppb) | Xylenes (ppb) |  |
|----------------|--|--|-------------------------------|---------------|---------------------|---------------|--|
| A-7<br>(cont.) | 08/08/93   | <50  | <0.5                          | <0.5          | <0.5                | <0.5          |  |
|                | 10/14/93   | <50  | <0.5                          | <0.5          | <0.5                | <0.5          |  |
|                | 02/10/94   | <50  | <0.5                          | <0.5          | <0.5                | <0.5          |  |
|                | 05/06/94   | <50  | <0.5                          | <0.5          | <0.5                | <0.5          |  |
|                | 08/09/94   | <50  | <0.5                          | <0.5          | <0.5                | <0.5          |  |
|                | 11/17/94   | <50  | <0.5                          | <0.5          | <0.5                | <0.5          |  |
|                | 02/09/95   | <50  | 3.7                           | <0.5          | <0.5                | <0.5          |  |
|                | 05/08/95   | <50  | <0.50                         | <0.50         | <0.50               | <0.50         |  |
|                | 08/08/95   | NS   | NS                            | NS            | NS                  | NS            |  |
|                | 11/03/95   | ----- Well Sampled Annually -----                    |                               |               |                     |               |  |
|                | A-8  | 03/21/86   | ----- Well Inaccessible ----- |               |                     |               |  |
| 01/07/88       |  | ----- Well Inaccessible -----                        |                               |               |                     |               |  |
| 03/20/89       |  | ----- 0.66 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 05/24/89       |  | ----- 1.20 feet of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 08/18/89       |  | ----- 0.77 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 10/27/89       |  | ----- 1.31 feet of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 01/15/90       |  | ----- 0.87 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 04/04/90       |  | ----- 0.25 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 07/30/90       |  | ----- 1.75 feet of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 10/29/90       |  | ----- 0.10 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 01/16/91       |  | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 04/12/91       |  | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 07/10/91       |  | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 10/21/91       |  | ----- 0.11 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 02/01/92       |  | ----- 1.40 feet of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 04/29/92       |  | ----- 1.30 feet of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 07/29/92       |  | ----- 0.06 foot of Separate-Phase Hydrocarbons ----- |                               |               |                     |               |  |
| 10/28/92       |  | ----- Well Dry -----                                 |                               |               |                     |               |  |
| 01/26/93       |  | ----- Well Dry -----                                 |                               |               |                     |               |  |
| 04/01/93       |  | ----- Well Inaccessible -----                        |                               |               |                     |               |  |
| 08/06/93       |  | ----- Well Dry -----                                 |                               |               |                     |               |  |
| 10/14/93       |  | ----- Well Inaccessible -----                        |                               |               |                     |               |  |
| 12/10/93       |  | 29,000,000   | 16,000                        | 12,000        | 19,000              | 99,000        |  |
| 02/10/94       | NS   | NS   | NS                            | NS            | NS                  | NS            |  |
| 05/06/94       | NS   | NS   | NS                            | NS            | NS                  | NS            |  |
| 08/09/94       | ----- 0.33 foot of Separate-Phase Hydrocarbons ----- |  |                               |               |                     |               |  |
| 11/17/94       | ----- 0.32 foot of Separate-Phase Hydrocarbons ----- |  |                               |               |                     |               |  |
| 02/09/95       | 68,000   | 2,400  | 500                           | 960           | 5,000               |               |  |
| 05/08/95       | 23,000   | 3,600  | 560                           | 520           | 2,100               |               |  |
| 08/08/95       | 20,000   | 2,700  | 140                           | 730           | 1,600               |               |  |
| 11/03/95       | ----- 0.01 foot of Separate-Phase Hydrocarbons ----- |  |                               |               |                     |               |  |
| A-9            | 01/07/88   | 300  | 45                            | 14            | NA                  | 43            |  |
|                | 03/21/89   | 50   | 2.8                           | 1             | 1                   | 3             |  |
|                | 05/24/89   | 120  | 26                            | 12            | 4                   | 79            |  |
|                | 08/18/89   | 14,000   | 400                           | 800           | 400                 | 2,000         |  |
|                | 10/27/89   | 1,700  | 150                           | 36            | 30                  | 110           |  |
|                | 01/15/90   | 860  | 140                           | 58            | 38                  | 140           |  |
|                | 04/04/90   | 620  | 36                            | 13            | 9.4                 | 32            |  |
|                | 07/30/90   | 180  | 77                            | 1.6           | 2.1                 | 4.2           |  |
|                | 10/29/90   | 110  | 30                            | 3.7           | 4.1                 | 8.3           |  |
|                | 01/16/91   | <50  | 15                            | <0.5          | <0.5                | 0.6           |  |
|                | 04/12/91   | 130  | 52                            | 0.83          | 5.3                 | 6.0           |  |
|                | 07/10/91   | <30  | 7.8                           | <0.30         | <0.30               | <0.30         |  |
|                | 09/20/91   | NA   | 21                            | <2.0          | <2.0                | <0.20         |  |
|                | 10/21/91   | 240  | 63                            | 0.65          | 5.1                 | 1.6           |  |
|                | 02/01/92   | 320  | 77                            | 0.95          | 11                  | 6.5           |  |
|                | 04/29/92   | 170  | 52                            | <0.30         | 5.6                 | 1.4           |  |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number    | Date Sampled                       | TPPH as           |               |               | Ethyl-benzene (ppb) | Xylenes (ppb) |
|----------------|------------------------------------|-------------------|---------------|---------------|---------------------|---------------|
|                |                                    | Gasoline (ppb)    | Benzene (ppb) | Toluene (ppb) |                     |               |
| A-9<br>(cont.) | 07/30/92                           | <50               | 14            | <0.50         | 1.7                 | 6.0           |
|                | 10/28/92                           | Well Inaccessible |               |               |                     |               |
|                | 01/26/93                           | Well Inaccessible |               |               |                     |               |
|                | 04/01/93                           | Well Inaccessible |               |               |                     |               |
|                | 08/06/93                           | Well Inaccessible |               |               |                     |               |
|                | 10/14/93                           | Well Inaccessible |               |               |                     |               |
|                | 12/10/93                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 02/10/94                           | Well Inaccessible |               |               |                     |               |
|                | 03/21/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 05/06/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 08/09/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 11/17/94                           | <50               | 2.5           | <0.5          | 0.9                 | 3.3           |
|                | 02/09/95                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 05/08/95                           | <50               | <0.50         | <0.50         | <0.50               | <0.50         |
|                | 08/08/95                           | 80                | 2.6           | <0.50         | <0.50               | <0.50         |
| 11/03/95       | NS                                 | NS                | NS            | NS            | NS                  |               |
| A-10           | 01/07/88                           | <50               | 0.6           | 11            | NA                  | 4             |
|                | 03/20/89                           | <50               | <0.5          | <1            | <1                  | <3            |
|                | 05/24/89                           | <50               | <0.5          | <1            | <1                  | <3            |
|                | 08/18/89                           | <50               | <0.5          | <1            | <1                  | <3            |
|                | 10/27/89                           | <50               | <0.5          | <0.5          | <0.5                | <1            |
|                | 01/15/90                           | <50               | <0.5          | <0.5          | <0.5                | <1            |
|                | 04/04/90                           | Well Inaccessible |               |               |                     |               |
|                | 07/30/90                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 10/29/90                           | <50               | 2.3           | 6.9           | 1.2                 | 3.0           |
|                | 01/16/91                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 04/12/91                           | <30               | 0.67          | 0.55          | <0.30               | 0.90          |
|                | 07/10/91                           | <30               | <0.30         | <0.30         | <0.30               | <0.30         |
|                | 10/21/91                           | <30               | <0.30         | <0.30         | <0.30               | <0.30         |
|                | 02/02/92                           | Well Inaccessible |               |               |                     |               |
|                | 04/29/92                           | <30               | <0.30         | <0.30         | <0.30               | <0.30         |
|                | 07/29/92                           | <50               | 25            | <0.50         | <0.50               | 1.8           |
|                | 10/28/92                           | <50               | <0.50         | <0.50         | <0.50               | <0.50         |
|                | 01/26/93                           | <50               | <0.50         | <0.50         | <0.50               | <0.50         |
|                | 04/01/93                           | <50               | <0.50         | <0.50         | <0.50               | <0.50         |
|                | 08/06/93                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 10/14/93                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 02/10/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 05/06/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 08/09/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 11/17/94                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 02/09/95                           | 60                | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 05/08/95                           | <50               | <0.50         | <0.50         | <0.50               | <0.50         |
| 08/08/95       | Well Removed from Sampling Program |                   |               |               |                     |               |
| A-11           | 01/07/88                           | <50               | 1.1           | 2             | NA                  | 5             |
|                | 03/20/89                           | <50               | <0.5          | <1            | <1                  | <3            |
|                | 05/24/89                           | <50               | <0.5          | <1            | <1                  | <3            |
|                | 08/18/89                           | <50               | <0.5          | <1            | <1                  | <3            |
|                | 10/27/89                           | <50               | <0.5          | <0.5          | <0.5                | <1            |
|                | 01/15/90                           | <50               | <0.5          | <0.5          | <0.5                | <1            |
|                | 04/04/90                           | <50               | <0.5          | <0.5          | <0.5                | <1            |
|                | 07/30/90                           | <50               | <0.5          | 0.6           | <0.5                | 0.5           |
|                | 10/29/90                           | <50               | 0.6           | 2.4           | 0.6                 | 1.5           |
|                | 01/16/91                           | <50               | <0.5          | <0.5          | <0.5                | <0.5          |
|                | 04/12/91                           | <30               | <0.30         | 0.37          | <0.30               | <0.30         |
| 07/10/91       | <30                                | 0.61              | 0.46          | <0.30         | 1.0                 |               |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number     | Date Sampled | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl-benzene (ppb) | Xylenes (ppb) |
|-----------------|--------------|------------------------|---------------|---------------|---------------------|---------------|
| A-11<br>(cont.) | 10/21/91     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 02/01/92     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 04/29/92     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 07/30/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 10/28/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 01/26/93     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 01/04/93     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 08/06/93     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 10/14/93     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 02/10/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 05/06/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 08/09/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 11/17/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 02/09/95     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 05/08/95     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 08/08/95     | NS                     | NS            | NS            | NS                  | NS            |
|                 | 11/03/95     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
| A-12            | 01/07/88     | <50                    | <0.5          | 2             | NA                  | <4            |
|                 | 03/20/89     | <50                    | <0.5          | <1            | <1                  | <3            |
|                 | 05/24/89     | <50                    | <0.5          | <1            | <1                  | <3            |
|                 | 08/18/89     | <50                    | <0.5          | <1            | <1                  | <3            |
|                 | 10/27/89     | <50                    | <0.5          | <0.5          | <0.5                | <1            |
|                 | 01/15/90     | <50                    | <0.5          | <0.5          | <0.5                | <1            |
|                 | 04/04/90     | <50                    | <0.5          | <0.5          | <0.5                | <1            |
|                 | 07/30/90     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 10/29/90     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 01/16/91     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 04/12/91     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 07/10/91     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 10/21/91     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 02/01/92     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 04/29/92     | <30                    | <0.30         | <0.30         | <0.30               | <0.30         |
|                 | 07/30/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 10/28/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 01/26/93     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 04/01/93     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 08/06/93     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 10/14/93     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 02/10/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 05/06/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 08/09/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 11/17/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
| 02/09/95        | <50          | <0.5                   | <0.5          | <0.5          | <0.5                |               |
| 05/08/95        | <50          | <0.50                  | <0.50         | <0.50         | <0.50               |               |
| 08/08/95        | NS           | NS                     | NS            | NS            | NS                  |               |
| 11/03/95        | <50          | <0.50                  | <0.50         | <0.50         | <0.50               |               |
| A-13            | 07/01/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 07/30/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 10/28/92     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 01/26/93     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 04/01/93     | <50                    | <0.50         | <0.50         | <0.50               | <0.50         |
|                 | 08/06/93     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 10/14/93     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 02/10/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 05/06/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 08/09/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |
|                 | 11/17/94     | <50                    | <0.5          | <0.5          | <0.5                | <0.5          |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number     | Date Sampled | TPPH as Gasoline (ppb)                   | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) |
|-----------------|--------------|--|---------------|---------------|--------------------|---------------|
| A-13<br>(cont.) | 02/09/95     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 05/08/95     | <50                                      | <0.50         | <0.50         | <0.50              | <0.50         |
|                 | 08/08/95     | Well Inaccessible                        |               |               |                    |               |
|                 | 11/03/95     | Well Inaccessible                        |               |               |                    |               |
| AR-1            | 07/01/92     | 2,300                                    | 260           | 150           | 38                 | 470           |
|                 | 07/29/92     | 1,600                                    | 340           | 180           | 52                 | 320           |
|                 | 10/28/92     | Well Inaccessible                        |               |               |                    |               |
|                 | 01/26/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 04/01/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 08/06/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 10/14/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 12/10/93     | 3,400                                    | <25           | <25           | <25                | 250           |
|                 | 02/10/94     | Well Inaccessible                        |               |               |                    |               |
|                 | 03/21/94     | NS                                       | NS            | NS            | NS                 | NS            |
|                 | 05/06/94     | NS                                       | NS            | NS            | NS                 | NS            |
|                 | 08/09/94     | 0.08 foot of Separate-Phase Hydrocarbons |               |               |                    |               |
|                 | 11/17/94     | Sheen of Separate-Phase Hydrocarbons     |               |               |                    |               |
|                 | 02/09/95     | 670                                      | 1.5           | 1.0           | 0.7                | 33            |
|                 | 05/08/95     | 3,700                                    | 19            | <2.5 b        | 5.7                | 47            |
|                 | 08/08/95     | 12,000                                   | 560           | 180           | 82                 | 1,000         |
|                 | 11/03/95     | 7,400                                    | 130           | 41            | 18                 | 370           |
| AR-2            | 07/01/92     | <50                                      | <0.50         | <0.50         | <0.50              | <0.50         |
|                 | 07/29/92     | 350                                      | 130           | 8.5           | <10                | <10           |
|                 | 10/28/92     | Well Inaccessible                        |               |               |                    |               |
|                 | 01/26/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 04/01/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 08/06/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 10/14/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 12/10/93     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 02/10/94     | Well Inaccessible                        |               |               |                    |               |
|                 | 03/21/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 05/06/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 08/09/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 11/17/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 02/09/95     | 60                                       | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 05/08/95     | <50                                      | <0.50         | <0.50         | <0.50              | <0.50         |
|                 | 08/08/95     | <50                                      | <0.50         | <0.50         | <0.50              | <0.50         |
|                 | 11/03/95     | <50                                      | <0.50         | <0.50         | <0.50              | <0.50         |
| AR-3            | 07/01/92     | <50                                      | 1.8           | 0.86          | <0.50              | 2.2           |
|                 | 07/29/92     | <50                                      | 1.6           | <0.50         | <0.50              | <0.50         |
|                 | 10/28/92     | Well Inaccessible                        |               |               |                    |               |
|                 | 01/26/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 04/01/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 08/06/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 10/14/93     | Well Inaccessible                        |               |               |                    |               |
|                 | 12/10/93     | <50                                      | <0.5          | <0.50         | <0.50              | <0.50         |
|                 | 02/10/94     | Well Inaccessible                        |               |               |                    |               |
|                 | 03/21/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 05/06/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 08/09/94     | <50                                      | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 11/17/94     | <50                                      | <1.3 a        | <0.5          | <0.5               | <0.5          |
|                 | 02/09/95     | 50                                       | <0.5          | <0.5          | <0.5               | <0.5          |
|                 | 05/08/95     | <50                                      | <0.50         | <0.50         | <0.50              | <0.50         |

Table 3 (continued)  
**Groundwater Analytical Data**  
 Total Purgeable Petroleum Hydrocarbons  
 (TPPH as Gasoline and BTEX Compounds)

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

| Well Number   | Date Sampled | TPPH as Gasoline (ppb) | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | Xylenes (ppb) |
|---|--------------|------------------------|---------------|---------------|--------------------|---------------|
| AR-3  | 08/08/95     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |
| (cont.)   | 11/03/95     | <50                    | <0.50         | <0.50         | <0.50              | <0.50         |
| ppb = Parts per billion<br>NA = Not analyzed<br>NS = Not sampled<br>a. = Laboratory raised MRL due to matrix interference<br>b. = Laboratory raised MRL due to high analyte concentration requiring sample dilution.<br>Prior to June 1995, TPPH as gasoline was reported as TPH as gasoline. |              |                        |               |               |                    |               |



Table 4  
Groundwater Analytical Data  
Total Methyl t-Butyl Ether

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

| Well I.D. | Date Sampled | Methyl t-Butyl Ether (ppb) |
|-----------|--------------|----------------------------|
| A-2       | 08/08/95     | <2.5                       |
|           | 11/03/95     | NS                         |
| A-3       | 08/08/95     | NS                         |
|           | 11/03/95     | <2.5                       |
| A-4       | 08/08/95     | 210                        |
|           | 11/03/95     | NS                         |
| A-5       | 08/08/95     | NS                         |
|           | 11/03/95     | <2.5                       |
| A-6       | 08/08/95     | <2.5                       |
|           | 11/03/95     | NS                         |
| A-7       | 08/08/95     | NS                         |
|           | 11/03/95     | NS                         |
| A-8       | 08/08/95     | 1,200                      |
|           | 11/03/95     | NS                         |
| A-9       | 08/08/95     | 17                         |
|           | 11/03/95     | NS                         |
| A-10      | 08/08/95     | NS                         |
|           | 11/03/95     | NS                         |
| A-11      | 08/08/95     | NS                         |
|           | 11/03/95     | <2.5                       |
| A-12      | 08/08/95     | NS                         |
|           | 11/03/95     | <2.5                       |
| A-13      | 08/08/95     | NS                         |
|           | 11/03/95     | NS                         |
| AR-1      | 08/08/95     | 220                        |
|           | 11/03/95     | NS                         |
| AR-2      | 08/08/95     | <2.5                       |
|           | 11/03/95     | NS                         |
| AR-3      | 08/08/95     | <2.5                       |
|           | 11/03/95     | NS                         |

ppb = Parts per billion  
NS = Not sampled

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

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

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

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

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

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOB) | Groundwater Elevation<br>(feet, MSL) | TPH<br>Gasoline<br>(ppb)               | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) | Total<br>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) |  |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|--|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|--|
| A-3         | 08/26/99                | 54.66                         | 10.73                         | 43.93                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              | 0.95                            |  |
| A-3         | 10/26/99                | 54.66                         | 6.58                          | 48.08                                | <50                                    | <0.5             | <0.5             | <0.5                       | <1                        | 32                      | NA                    | 2.06                         | NP                              |  |
| A-3         | 02/25/00                | 54.66                         | 5.41                          | 49.25                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |  |
| A-4         | 03/26/96                | 54.73                         | 7.95                          | 46.78                                | 8,900                                  | 1,200            | 21               | 200                        | 220                       | NA                      | NA                    | NM                           |                                 |  |
| A-4         | 05/22/96                | 54.73                         | 8.35                          | 46.38                                | 5,300                                  | 700              | <10              | 170                        | 130                       | NA                      | NA                    | NM                           |                                 |  |
| A-4         | 08/22/96                | 54.73                         | 11.03                         | 43.70                                | 3,000                                  | 480              | <5.0             | 75                         | 26                        | 150                     | NA                    | NM                           |                                 |  |
| A-4         | 12/19/96                | 54.73                         | 8.67                          | 46.06                                | <2,000                                 | <20              | <20              | <20                        | <20                       | NA                      | 15,000                | NM                           |                                 |  |
| A-4         | 04/01/97                | 54.73                         | 11.95                         | 42.78                                | 8,900                                  | 1,700            | 22               | 310                        | 260                       | 6,900                   | NA                    | NM                           |                                 |  |
| A-4         | 05/27/97                | 54.73                         | 10.80                         | 43.93                                | 7,100                                  | 960              | <20              | 150                        | 74                        | 7,900                   | NA                    | NM                           |                                 |  |
| A-4         | 08/12/97                | 54.73                         | 11.38                         | 43.35                                | 4,300                                  | 670              | 12               | 51                         | 27                        | 2,800                   | NA                    | NM                           |                                 |  |
| A-4         | 11/14/97                | 54.73                         | 7.74                          | 46.99                                | <20,000                                | 300              | 500              | <200                       | <200                      | 27,000                  | NA                    | 2.2                          |                                 |  |
| A-4         | 03/18/98                | 54.73                         | 6.80                          | 47.93                                | 4,700                                  | 600              | <20              | 99                         | 94                        | 1,200                   | NA                    | 1.0                          |                                 |  |
| A-4         | 05/19/98                | 54.73                         | 9.06                          | 45.67                                | <2000                                  | <20              | <20              | <20                        | 720                       | 2,000                   | NA                    | 1.28                         | P                               |  |
| A-4         | 07/29/98                | 54.73                         | 10.05                         | 44.68                                | 8,400                                  | 1,300            | <20              | 290                        | 130                       | 1,800                   | NA                    | 0.7                          | NP                              |  |
| A-4         | 10/09/98                | 54.73                         | 11.20                         | 43.53                                | 3,500                                  | 400              | <20              | 54                         | <20                       | 1,700                   | NA                    | 1.0                          | NP                              |  |
| A-4         | 02/19/99                | 54.73                         | 6.85                          | 47.88                                | <1,000                                 | <10              | <10              | <10                        | 12                        | 650                     | NA                    | 0.1                          | NP                              |  |
| A-4         | 06/02/99                | 54.73                         | 11.00                         | 43.73                                | 6,100                                  | 760              | 16               | 260                        | 89                        | 2,300                   | NA                    | 1.12                         | NP                              |  |
| A-4         | 08/26/99                | 54.73                         | 10.80                         | 43.93                                | 1,100                                  | 68               | 5                | 8                          | 4                         | 1,400                   | NA                    | 1.15                         | NP                              |  |
| A-4         | 10/26/99                | 54.73                         | 10.11                         | 44.62                                | 1,500                                  | 39               | 2.3              | 9.0                        | 5                         | 1,700                   | NA                    | 10.12                        | NP                              |  |
| A-4         | 02/25/00                | 54.73                         | 5.90                          | 48.83                                | 870                                    | 53               | 1.1              | 4.6                        | 20                        | 600                     | NA                    | 1.72                         | NP                              |  |
| A-5         | 03/26/96                | 54.17                         | 7.93                          | 46.24                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |  |
| A-5         | 05/22/96                | 54.17                         | 8.20                          | 45.97                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | NA                      | NA                    | NM                           |                                 |  |
| A-5         | 08/22/96                | 54.17                         | 10.70                         | 43.47                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |  |
| A-5         | 12/19/96                | 54.17                         | 8.39                          | 45.78                                | 9,900                                  | 1,100            | 330              | 230                        | 700                       | NA                      | 24                    | NM                           |                                 |  |
| A-5         | 04/01/97                | 54.17                         | 10.83                         | 43.34                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |  |
| A-5         | 05/27/97                | 54.17                         | 10.65                         | 43.52                                | 100                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | 120                     | NA                    | NM                           |                                 |  |
| A-5         | 08/12/97                | 54.17                         | 11.05                         | 43.12                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |  |
| A-5         | 11/14/97                | 54.17                         | 10.51                         | 43.66                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | 41                      | NA                    | 4.8                          |                                 |  |
| A-5         | 03/18/98                | 54.17                         | 8.10                          | 46.07                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |  |
| A-5         | 05/19/98                | 54.17                         | 9.31                          | 44.86                                | 590                                    | <5               | <5               | <5                         | <5                        | 710                     | NA                    | 2.48                         | P                               |  |

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

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

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOB) | Groundwater Elevation<br>(feet, MSL) | TPH<br>Gasoline<br>(ppb)               | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) | Total<br>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) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|--|------------------|------------------|----------------------------|---------------------------|-------------------------|-----------------------|------------------------------|---------------------------------|
| A-5         | 07/29/98                | 54.17                         | 9.89                          | 44.28                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |
| A-5         | 10/09/98                | 54.17                         | 11.02                         | 43.15                                | 690                                    | <5               | <5               | <5                         | <5                        | 710                     | NA                    | 1.0                          | NP                              |
| A-5         | 02/19/99                | 54.17                         | 6.82                          | 47.35                                | <2,000                                 | <20              | <20              | <20                        | <20                       | 2,300                   | NA                    | 0.6                          | NP                              |
| A-5         | 06/02/99                | 54.17                         | 10.82                         | 43.35                                | 1,500                                  | <0.5             | 2.3              | <0.5                       | <0.5                      | 2,400                   | NA                    | 2.81                         | NP                              |
| A-5         | 08/26/99                | 54.17                         | 10.65                         | 43.52                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              | 0.49                            |
| A-5         | 10/26/99                | 54.17                         | 10.35                         | 43.82                                | 380                                    | <0.5             | <0.5             | <0.5                       | <1                        | 440                     | NA                    | 1.55                         | NP                              |
| A-5         | 02/25/00                | 54.17                         | 6.89                          | 47.28                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |
| A-6         | 03/26/96                | 55.17                         | 7.15                          | 48.02                                | 52                                     | 2.7              | <0.5             | 1.1                        | 2.0                       | NA                      | NA                    | NM                           |                                 |
| A-6         | 05/22/96                | 55.17                         | 7.35                          | 47.82                                | <50                                    | 2.4              | <0.5             | 0.88                       | 1.7                       | NA                      | NA                    | NM                           |                                 |
| A-6         | 08/22/96                | 55.17                         | 10.12                         | 45.05                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <2.5                    | NA                    | NM                           |                                 |
| A-6         | 12/19/96                | 55.17                         | 7.43                          | 47.74                                | <50                                    | 1.7              | <0.5             | 0.78                       | 1.5                       | <2.5                    | NA                    | NM                           |                                 |
| A-6         | 04/01/97                | 55.17                         | 9.97                          | 45.20                                | <50                                    | 4.7              | <0.5             | 1.9                        | 3.2                       | <2.5                    | NA                    | NM                           |                                 |
| A-6         | 05/27/97                | 55.17                         | 9.66                          | 45.51                                | <50                                    | 0.69             | <0.5             | <0.5                       | <0.5                      | <2.5                    | NA                    | NM                           |                                 |
| A-6         | 08/12/97                | 55.17                         | 10.43                         | 44.74                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <2.5                    | NA                    | NM                           |                                 |
| A-6         | 11/14/97                | 55.17                         | 9.76                          | 45.41                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <3                      | NA                    | <1.0                         |                                 |
| A-6         | 03/18/98                | 55.17                         | 7.00                          | 48.17                                | <50                                    | 6.2              | 0.5              | 2.3                        | 2.6                       | <3                      | NA                    | 3.0                          |                                 |
| A-6         | 05/19/98                | 55.17                         | 8.27                          | 46.90                                | <50                                    | <0.5             | <0.5             | 1.3                        | 4.7                       | <3                      | NA                    | 2.16                         | P                               |
| A-6         | 07/29/98                | 55.17                         | 8.96                          | 46.21                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <3                      | NA                    | 0.8                          | NP                              |
| A-6         | 10/09/98                | 55.17                         | 10.23                         | 44.94                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <3                      | NA                    | 1.0                          | NP                              |
| A-6         | 02/19/99                | 55.17                         | 5.79                          | 49.38                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | 5                       | NA                    | 0.4                          | NP                              |
| A-6         | 06/02/99                | 55.17                         | 9.71                          | 45.46                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <3                      | NA                    | 2.00                         | NP                              |
| A-6         | 08/26/99                | 55.17                         | 9.79                          | 45.38                                | <50                                    | <0.5             | <0.5             | <0.5                       | 0.7                       | <3                      | NA                    | 0.66                         | NP                              |
| A-6         | 10/26/99                | 55.17                         | 9.70                          | 45.47                                | <50                                    | <0.5             | <0.5             | <0.5                       | <1                        | <3                      | NA                    | 1.66                         | NP                              |
| A-6         | 02/25/00                | 55.17                         | 5.68                          | 49.49                                | <50                                    | <0.5             | <0.5             | <0.5                       | <1                        | <3                      | NA                    | 1.22                         | NP                              |
| A-7         | 03/26/96                | 54.71                         | 6.90                          | 47.81                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |
| A-7         | 05/22/96                | 54.71                         | 8.27                          | 46.44                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | NA                      | NA                    | NM                           |                                 |
| A-7         | 08/22/96                | 54.71                         | 9.80                          | 44.91                                | Not Sampled: Well Sampled Semiannually |                  |                  |                            |                           |                         |                       |                              |                                 |
| A-7         | 12/19/96                | 54.71                         | 7.19                          | 47.52                                | Not Sampled: Well Sampled Annually     |                  |                  |                            |                           |                         |                       |                              |                                 |
| A-7         | 04/01/97                | 54.71                         | 9.63                          | 45.08                                | Not Sampled: Well Sampled Annually     |                  |                  |                            |                           |                         |                       |                              |                                 |
| A-7         | 05/27/97                | 54.71                         | 9.34                          | 45.37                                | <50                                    | <0.5             | <0.5             | <0.5                       | <0.5                      | <2.5                    | NA                    | NM                           |                                 |

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

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

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

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

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

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOB) | Groundwater Elevation<br>(feet, MSL) | TPH   |                  |                  |                            | Total Xylenes<br>(ppb) | MTBE 8021B*<br>(ppb) | MTBE 8260<br>(ppb) | Dissolved Oxygen<br>(ppm) | Purged/<br>Not Purged<br>(P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|---|------------------|------------------|----------------------------|------------------------|----------------------|--------------------|---------------------------|---------------------------------|
|             |                         |                               |                               |                                      | Gasoline<br>(ppb)                               | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) |                        |                      |                    |                           |                                 |
| A-9         | 08/22/96                | 53.04                         | 9.68                          | 43.36                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | 8.5                  | NA                 | NM                        |                                 |
| A-9         | 12/19/96                | 53.04                         | 7.43                          | 45.61                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | 2.6                  | NA                 | NM                        |                                 |
| A-9         | 04/01/97                | 53.04                         | 9.95                          | 43.09                                | Not Sampled: Well Sampled Semiannually          |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-9         | 05/27/97                | 53.04                         | 9.56                          | 43.48                                | <50   | 2.3              | <0.5             | <0.5                       | <0.5                   | 45                   | NA                 | NM                        |                                 |
| A-9         | 08/12/97                | 53.04                         | 10.15                         | 42.89                                | Not Sampled: Well Sampled Semiannually          |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-9         | 11/14/97                | 53.04                         | 8.64                          | 44.40                                | <200  | <2.0             | <2.0             | <2.0                       | <2.0                   | 190                  | NA                 | 9.6                       |                                 |
| A-9         | 03/18/98                | 53.04                         | 6.45                          | 46.59                                | Not Sampled: Well Sampled Semiannually          |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-9         | 05/19/98                | 53.04                         | 8.35                          | 44.69                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | 7                    | NA                 | 1.27                      | P                               |
| A-9         | 07/29/98                | 53.04                         | 8.74                          | 44.30                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | <3                   | NA                 | 0.99                      | NP                              |
| A-9         | 10/09/98                | 53.04                         | 10.05                         | 42.99                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | <3                   | NA                 | 1.0                       | NP                              |
| A-9         | 02/19/99                | 53.04                         | 6.91                          | 46.13                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | <3                   | NA                 | 2.0                       | NP                              |
| A-9         | 06/02/99                | 53.04                         | 9.72                          | 43.32                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | 16                   | NA                 | 2.32                      | NP                              |
| A-9         | 08/26/99                | 53.04                         | 9.48                          | 43.56                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | <3                   | NA                 | 0.71                      | NP                              |
| A-9         | 10/26/99                | 53.04                         | 9.17                          | 43.87                                | 1,500   | 6.2              | 0.7              | 78                         | 11                     | 91                   | NA                 | 2.15                      | NP                              |
| A-9         | 02/25/00                | 53.04                         | 5.84                          | 47.20                                | <50   | <0.5             | <0.5             | <0.5                       | <1                     | <3                   | NA                 | 1.55                      | NP                              |
| A-10        | 03/26/96                | 54.26                         | 8.28                          | 45.98                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 05/22/96                | 54.26                         | 8.60                          | 45.66                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 08/22/96                | 54.26                         | 10.98                         | 43.28                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 12/19/96                | 54.26                         | 8.80                          | 45.46                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 04/01/97                | 54.26                         | 11.15                         | 43.11                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 05/27/97                | 54.26                         | 10.90                         | 43.36                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 08/12/97                | 54.26                         | 11.30                         | 42.96                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 11/14/97                | 54.26                         | 10.80                         | 43.46                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-10        | 03/18/98                |                               |                               |                                      | ----- Well Removed from Survey Program -----    |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-11        | 03/26/96                | 53.74                         | 8.10                          | 45.64                                | Not Sampled: Well Sampled Semiannually          |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-11        | 05/22/96                | 53.74                         | 8.25                          | 45.49                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | NA                   | NA                 | NM                        |                                 |
| A-11        | 08/22/96                | 53.74                         | 10.58                         | 43.16                                | Not Sampled: Well Sampled Semiannually          |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-11        | 12/19/96                | 53.74                         | 8.37                          | 45.37                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | <2.5                 | NA                 | NM                        |                                 |
| A-11        | 04/01/97                | 53.74                         | 10.95                         | 42.79                                | Not Sampled: Well Sampled Semiannually          |                  |                  |                            |                        |                      |                    |                           |                                 |
| A-11        | 05/27/97                | 53.74                         | 10.60                         | 43.14                                | <50   | <0.5             | <0.5             | <0.5                       | <0.5                   | 3.1                  | NA                 | NM                        |                                 |

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**(TPPH as Gasoline, BTEX Compounds, and MTBE)**

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

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOB) | Groundwater Elevation<br>(feet, MSL) | TPH<br>Gasoline (ppb)                  | Benzene (ppb) | Toluene (ppb) | Ethyl-<br>benzene (ppb) | Total<br>Xylenes (ppb) | MTBE<br>8021B* (ppb) | MTBE<br>8260 (ppb) | Dissolved<br>Oxygen (ppm) | Purged/<br>Not Purged<br>(P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|--|---------------|---------------|-------------------------|------------------------|----------------------|--------------------|---------------------------|---------------------------------|
| A-11        | 08/12/97                | 53.74                         | 11.07                         | 42.67                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-11        | 11/14/97                | 53.74                         | 10.58                         | 43.16                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | <3                   | NA                 | 1.6                       |                                 |
| A-11        | 03/18/98                | 53.74                         | 8.14                          | 45.60                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-11        | 05/19/98                | 53.74                         | 9.40                          | 44.34                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | <3                   | NA                 | 1.13                      | P                               |
| A-11        | 07/29/98                | 53.74                         | 10.32                         | 43.42                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-11        | 10/09/98                | 53.74                         | 10.91                         | 42.83                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | <3                   | NA                 | 2.0                       | NP                              |
| A-11        | 02/19/99                | 53.74                         | 6.77                          | 46.97                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | <3                   | NA                 | 1.8                       | NP                              |
| A-11        | 06/02/99                | 53.74                         | 10.95                         | 42.79                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | 6                    | NA                 | 1.38                      | NP                              |
| A-11        | 08/26/99                | 53.74                         | 11.05                         | 42.69                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-11        | 10/26/99                | 53.74                         | 10.81                         | 42.93                                | <50                                    | <0.5          | <0.5          | <0.5                    | <1                     | 4                    | NA                 | 1.27                      | NP                              |
| A-11        | 02/25/00                | 53.74                         | 6.70                          | 47.04                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 03/26/96                | 52.05                         | 7.83                          | 44.22                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 05/22/96                | 52.05                         | 7.80                          | 44.25                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | NA                   | NA                 | NM                        |                                 |
| A-12        | 08/22/96                | 52.05                         | 9.97                          | 42.08                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 12/19/96                | 52.05                         | 8.18                          | 43.87                                | 85                                     | <0.5          | <0.5          | <0.5                    | <0.5                   | 170                  | NA                 | NM                        |                                 |
| A-12        | 04/01/97                | 52.05                         | 10.30                         | 41.75                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 05/27/97                | 52.05                         | 10.05                         | 42.00                                | 50                                     | 12            | <0.5          | <0.5                    | <0.5                   | 96                   | NA                 | NM                        |                                 |
| A-12        | 08/12/97                | 52.05                         | 10.46                         | 41.59                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 11/14/97                | 52.05                         | 9.70                          | 42.35                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | 75                   | NA                 | 7.0                       |                                 |
| A-12        | 03/18/98                | 52.05                         | 8.15                          | 43.90                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 05/19/98                | 52.05                         | 9.15                          | 42.90                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | 29                   | NA                 | 1.47                      | P                               |
| A-12        | 07/29/98                | 52.05                         | 9.38                          | 42.67                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 10/09/98                | 52.05                         | 10.21                         | 41.84                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | 7                    | NA                 | 2.0                       | NP                              |
| A-12        | 02/19/99                | 52.05                         | 6.96                          | 45.09                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | <3                   | NA                 | 5.2                       | NP                              |
| A-12        | 06/02/99                | 52.05                         | 10.25                         | 41.80                                | <50                                    | <0.5          | <0.5          | <0.5                    | <0.5                   | 7                    | NA                 | 1.38                      | NP                              |
| A-12        | 08/26/99                | 52.05                         | 9.91                          | 42.14                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-12        | 10/26/99                | 52.05                         | 9.73                          | 42.32                                | <50                                    | <0.5          | <0.5          | <0.5                    | <1                     | 12                   | NA                 | 1.09                      | NP                              |
| A-12        | 02/25/00                | 52.05                         | 6.97                          | 45.08                                | Not Sampled: Well Sampled Semiannually |               |               |                         |                        |                      |                    |                           |                                 |
| A-13        | 03/26/96                | 55.11                         |                               |                                      | ----- Well Inaccessible -----          |               |               |                         |                        |                      |                    |                           |                                 |
| A-13        | 05/22/96                | 55.11                         |                               |                                      | ----- Well Inaccessible -----          |               |               |                         |                        |                      |                    |                           |                                 |

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

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

| Well Number | Date Gauged/<br>Sampled | Well Elevation<br>(feet, MSL) | Depth to Water<br>(feet, TOB) | Groundwater Elevation<br>(feet, MSL) | TPH Gasoline<br>(ppb)                           | Benzene<br>(ppb) | Toluene<br>(ppb) | Ethyl-<br>benzene<br>(ppb) | Total Xylenes<br>(ppb) | MTBE 8021B*<br>(ppb) | MTBE 8260<br>(ppb) | Dissolved Oxygen<br>(ppm) | Purged/<br>Not Purged<br>(P/NP) |
|-------------|-------------------------|-------------------------------|-------------------------------|--------------------------------------|---|------------------|------------------|----------------------------|------------------------|----------------------|--------------------|---------------------------|---------------------------------|
| A-13        | 08/22/96                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 12/19/96                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 04/01/97                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 05/27/97                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 08/12/97                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 11/14/97                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 03/18/98                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 05/19/98                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 07/29/98                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 10/09/98                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 02/19/99                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 06/02/99                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 08/26/99                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 10/26/99                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| A-13        | 02/25/00                | 55.11                         |                               | -----                                |   |                  |                  | Well Inaccessible          | -----                  |                      |                    |                           |                                 |
| AR-1        | 03/26/96                | 54.72                         | 8.13                          | 46.59                                | 6,200   | 110              | 64               | 38                         | 520                    | NA                   | NA                 | NM                        |                                 |
| AR-1        | 05/22/96                | 54.72                         | 8.57                          | 46.15                                | NS  | NS               | NS               | NS                         | NS                     | NS                   | NS                 | NM                        |                                 |
| AR-1        | 08/22/96                | 54.72                         | 10.97                         | 43.75                                | 5,600   | 100              | 28               | 29                         | 310                    | 960                  | NA                 | NM                        |                                 |
| AR-1        | 12/19/96                | 54.72                         | 8.93                          | 45.79                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 04/01/97                | 54.72                         | 11.78                         | 42.94                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 05/27/97                | 54.72                         | 10.76                         | 43.96                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 08/12/97                | 54.72                         | 11.40                         | 43.32                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 11/14/97                | 54.72                         | 10.80                         | 43.92                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 03/18/98                | 54.72                         | NM                            | NM                                   | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 05/19/98                | 54.72                         | NM                            | NM                                   | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 07/29/98                | 54.72                         | 10.17                         | 44.55                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 10/09/98                | 54.72                         | 11.25                         | 43.47                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 02/19/99                | 54.72                         | 7.02                          | 47.70                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 06/02/99                | 54.72                         | 11.00                         | 43.72                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           |                                 |
| AR-1        | 08/26/99                | 54.72                         | 10.96                         | 43.76                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           | 0.39                            |
| AR-1        | 10/26/99                | 54.72                         | 10.68                         | 44.04                                | Not Sampled: Well Removed from Sampling Program |                  |                  |                            |                        |                      |                    |                           | 1.39                            |



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

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

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

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

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

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

TPH = Total petroleum hydrocarbons by modified EPA method 801  
 BTEX = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 10/26/99)  
 MTBE = Methyl tert-butyl ether  
 \* = EPA method 8020 prior to 10/26/99  
 MSL = Mean sea level  
 TOB = Top of box  
 ppb = Parts per billion  
 ppm = Parts per million  
 < = Less than laboratory detection limit stated to the right  
 NA = Not analyzed  
 NM = Not measured  
 NS = Not sampled

**APPENDIX C**

**GEOTRACKER UPLOAD CONFIRMATION**

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER ESI**

UPLOADING A GEO\_WELL FILE

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|                                    |   |
|------------------------------------|---|
| <b><u>Submittal Type:</u></b>      | <b>GEO_WELL</b>                         |
| <b><u>Submittal Title:</u></b>     | <b>2Q09 GEO_WELL 4931</b>               |
| <b><u>Facility Global ID:</u></b>  | <b>T0600100110</b>                      |
| <b><u>Facility Name:</u></b>       | <b>ARCO #04931</b>                      |
| <b><u>File Name:</u></b>           | <b>GEO_WELL.zip</b>                     |
| <b><u>Organization Name:</u></b>   | <b>Broadbent &amp; Associates, Inc.</b> |
| <b><u>Username:</u></b>            | <b>BROADBENT-C</b>                      |
| <b><u>IP Address:</u></b>          | <b>67.118.40.90</b>                     |
| <b><u>Submittal Date/Time:</u></b> | <b>6/10/2009 9:36:42 AM</b>             |
| <b><u>Confirmation Number:</u></b> | <b>7492540657</b>                       |

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STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER ESI**

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|------------------------------------|-------------------------------------|
| <b><u>Submittal Type:</u></b>      | EDF - Monitoring Report - Quarterly |
| <b><u>Submittal Title:</u></b>     | 2Q09 GW Monitoring                  |
| <b><u>Facility Global ID:</u></b>  | T0600100110                         |
| <b><u>Facility Name:</u></b>       | ARCO #04931                         |
| <b><u>File Name:</u></b>           | 09050720.zip                        |
| <b><u>Organization Name:</u></b>   | Broadbent & Associates, Inc.        |
| <b><u>Username:</u></b>            | BROADBENT-C                         |
| <b><u>IP Address:</u></b>          | 67.118.40.90                        |
| <b><u>Submittal Date/Time:</u></b> | 6/10/2009 9:39:11 AM                |
| <b><u>Confirmation Number:</u></b> | <b>1212792515</b>                   |

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