



March 12, 2004

RO 281

Ms. Amir Gholami  
Alameda County Health Services Agency  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

Alameda County  
MAR 31 2004  
Environmental Health

Re: **First Semi-Annual 2004 Groundwater Monitoring Report  
Former BP Service Station #11104  
1716 Webster Street  
Alameda, California  
URS Project #38486810**

Dear Mr. Gholami:

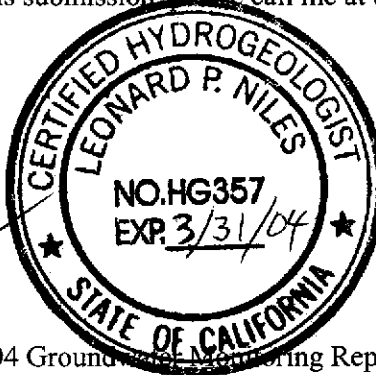
On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First Semi-Annual 2004 Groundwater Monitoring Report* for the Former BP Service Station #11104, located at 1716 Webster Street, Alameda, California.

If you have any questions regarding this submission, please call me at (510) 874-1720.

Sincerely,

URS CORPORATION

Leonard P. Niles, R.G./C.H.G.  
Project Manager / Senior Geologist



Enclosure: First Semi-Annual 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)  
Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818

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

**R E P O R T**

Alameda County  
EPA 916  
Environmental Health

**FIRST SEMI-ANNUAL 2004  
GROUNDWATER MONITORING**

**FORMER BP SERVICE STATION #11104  
1716 WEBSTER STREET  
ALAMEDA, CALIFORNIA**

*Prepared for*  
**Atlantic Richfield Company**

March 12, 2004

**URS**

URS Corporation  
1333 Broadway, Suite 800  
Oakland, California 94612

38486810

Date: March 12, 2004  
Quarter: 1Q 04

### BP SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility No.: 11104 Address: 1716 Webster Street, Alameda, California  
ARCO Environmental Business Manager: Paul Supple  
Consulting Co./Contact Person: URS Corporation / Leonard Niles  
Consultant Project No.: 38486810  
Primary Agency: Alameda County Department of Environmental Health

#### WORK PERFORMED THIS PERIOD (First – 2004):

1. Performed first semi-annual groundwater monitoring event on February 12, 2004.
2. Prepared and submitted first 2004 semi-annual groundwater monitoring report.
3. Performed well repairs on January 6, 2004.

#### WORK PROPOSED FOR NEXT PERIOD (Second – 2004):

1. Prepare and submit second quarter 2004 site status report.

Current Phase of Project: GW monitoring/sampling  
Frequency of Groundwater Sampling: Wells MW-1 and RW-1 semiannually (1<sup>st</sup> & 3<sup>rd</sup> Quarters);  
Wells MW-2 through MW-5 annually (1<sup>st</sup> Quarter).  
Frequency of Groundwater Monitoring: Semiannual  
Is Free Product (FP) Present On-Site: No  
Current Remediation Techniques: None  
Approximate Depth to Groundwater: 4.19 (RW-1) to 5.19 (MW-2) feet  
Groundwater Gradient (direction): Northwest  
Groundwater Gradient (magnitude): 0.007 feet per foot

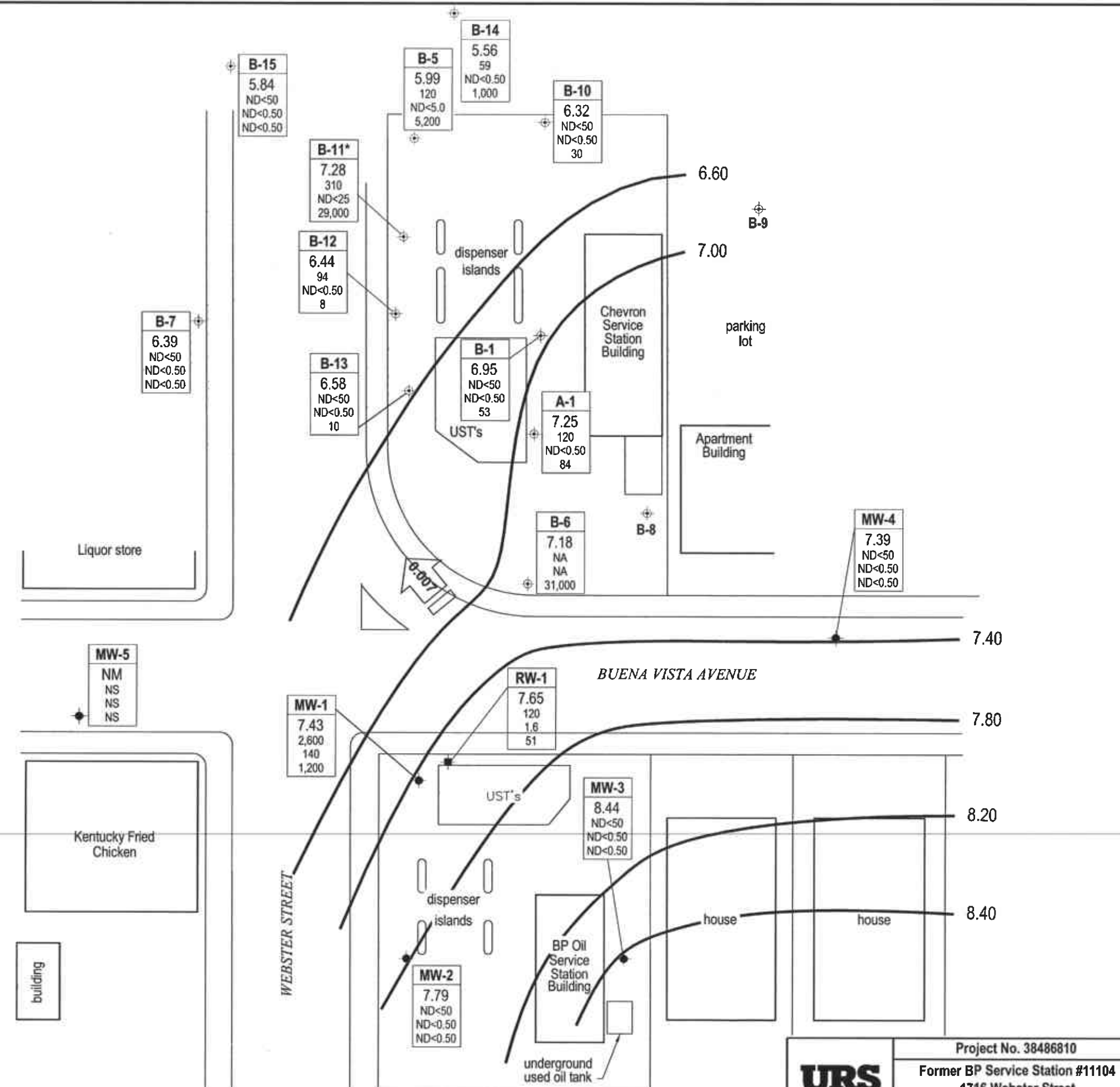
#### DISCUSSION:

One of the six wells on-site, MW-5, was not sampled due to the fact that a truck was parked over the well, making it inaccessible during the February 12, 2004 sampling event. GRO was detected above laboratory reporting limits in two of the five wells sampled this quarter at concentrations of 120 µg/L (RW-1) and 2,600 µg/L (MW-1). Benzene was detected above laboratory reporting limits in two wells sampled this quarter at concentrations of 1.6 µg/L (RW-1) and 140 µg/L (MW-1). MTBE was detected above laboratory reporting limits in two of the wells at concentrations of 51 µg/L (RW-1) and 1,200 µg/L (MW-1). TBA and TAME were both detected above laboratory reporting limits in two wells this sampling event. TBA was detected above laboratory reporting limits at concentrations of 83 µg/L (RW-1) and 960 µg/L (MW-1). TAME was detected above laboratory reporting limits at concentrations of 1.2 µg/L (RW-1) and 33 µg/L (MW-1).

**ATTACHMENTS:**

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 12, 2004.
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Attachment A – Concentration and Water Level Trends (MW-1 and RW-1)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D – Well Repair Data Sheet
- Attachment E – Joint Monitoring Data
- Attachment F – EDCC Report and EDF/Geowell Submittal Confirmation

Apr 24, 2004 - 8:55am  
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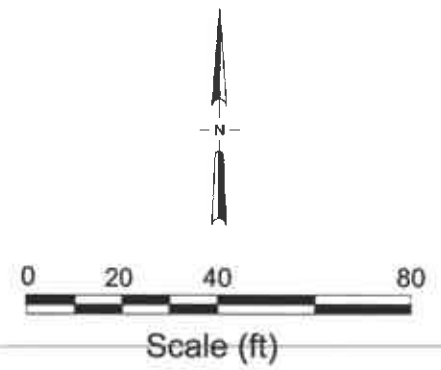
### EXPLANATION

- Monitoring well
- Groundwater recovery well
- Chevron monitoring well
- Groundwater flow direction and gradient
- Groundwater elevation contour (Feet above site datum)

| Well    | Well designation  |
|---------|---|
| ELEV    | Groundwater elevation (feet above site datum)                       |
| GRO     | GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L) |
| Benzene |   |
| MTBE    |   |
| NA      | Not Analyzed  |
| ND      | Not detected at or above laboratory reporting limits                |
| NS      | Not sampled   |
| *       | Anomalous elevation, not used in contouring                         |

\*Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.\*

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



**Table 1  
Groundwater Elevation and Analytical Data**

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(Feet) | DTW<br>(a)<br>(Feet) | GWE<br>(Feet) | GRO/TPH-G<br>(b)<br>(ug/L) | B<br>(c)<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TDS<br>(mg/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|---------------|----------------------|---------------|----------------------------|--------------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| MW-1    | 07/21/92                        | 11.98         | 5.91                 | 6.07          | 34000                      | 7000               | 1700        | 2500        | 6900        | ---            | ---           | ---         | ---  |
|         | 10/20/92                        |               | 6.66                 | 5.32          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 03/05/93                        |               | 4.56                 | 7.42          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 04/01/93                        |               | 4.57                 | 7.41          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/09/93                        |               | 5.25                 | 6.73          | 77000                      | 15000              | 1400        | 2100        | 7400        | 11919          | (c)(k)        | ---         | PACE |
| (d)     | 07/09/93                        |               | ---                  | ---           | 79000                      | 16000              | 1500        | 2200        | 7700        | 12952          | (c)(k)        | ---         | PACE |
|         | 10/08/93                        |               | 6.01                 | 5.97          | 42000                      | 7100               | 270         | 2700        | 4700        | ---            | (k)           | ---         | PACE |
|         | 01/06/94                        |               | 6.24                 | 5.74          | 45000                      | 12000              | 4300        | 3000        | 6700        | ---            | (k)           | ---         | PACE |
|         | 04/26/94                        |               | 5.26                 | 6.72          | 39000                      | 6500               | 500         | 1800        | 1200        | 16663          | (c)(k)        | 6.3         | PACE |
|         | 07/25/94                        |               | 5.60                 | 6.38          | 38000                      | 6300               | 240         | 1500        | 1100        | 26428          | (c)(k)        | 1.7         | PACE |
|         | 10/13/94                        |               | 6.15                 | 5.83          | 25000                      | 6300               | 130         | 1300        | 830         | ---            | (k)           | 2.3         | PACE |
| (d)     | 10/13/94                        |               | ---                  | ---           | 25000                      | 7300               | 120         | 1200        | 740         | ---            | (k)           | ---         | PACE |
|         | 01/17/95                        |               | 4.19                 | 7.79          | 7800                       | 3100               | 1100        | 460         | 850         | ---            | ---           | 7.9         | ATI  |
| (d)     | 01/17/95                        |               | ---                  | ---           | 8400                       | 3100               | 1200        | 470         | 1000        | ---            | ---           | ---         | ATI  |
|         | 03/31/95                        |               | 4.48                 | 7.50          | 37000                      | 6700               | 6900        | 1200        | 4500        | ---            | ---           | 6.4         | ATI  |
| (d)     | 03/31/95                        |               | ---                  | ---           | 40000                      | 6900               | 7300        | 1300        | 5000        | ---            | ---           | ---         | ATI  |
|         | 05/01/95                        |               | 4.39                 | 7.59          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/12/95                        |               | 5.02                 | 6.96          | 29000                      | 7000               | 300         | 1500        | 3900        | ---            | ---           | 7.2         | ATI  |
| (d)     | 07/12/95                        |               | ---                  | ---           | 29000                      | 6600               | 380         | 1500        | 3900        | ---            | ---           | ---         | ATI  |
|         | 10/12/95                        |               | 5.68                 | 6.30          | 20000                      | 3400               | 310         | 1100        | 3000        | 15000          | ---           | 6.3         | ATI  |
| (d)     | 10/12/95                        |               | ---                  | ---           | 20000                      | 3500               | 310         | 1100        | 3000        | 14000          | ---           | ---         | ATI  |
|         | 02/27/96                        |               | 4.18                 | 7.80          | 18000                      | 4400               | 2900        | 860         | 2380        | 5500           | 472           | 7.9         | SPL  |
|         | 05/08/96                        |               | 4.89                 | 7.09          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 05/09/96                        |               | ---                  | ---           | 14000                      | 2300               | 1900        | 540         | 3340        | 2700           | ---           | 6.1         | SPL  |
|         | 08/09/96                        |               | 5.13                 | 6.85          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/12/96                        |               | ---                  | ---           | 13000                      | 2800               | 190         | 1300        | 3040        | 1800           | ---           | 7.1         | SPL  |
|         | 11/07/96                        |               | 5.65                 | 6.33          | 12000                      | 2100               | 35          | ND<25       | ND<25       | 2100           | ---           | 7.2         | SPL  |
|         | 02/10/97                        |               | 4.80                 | 7.18          | 180000                     | 1900               | ND<500      | ND<500      | ND<500      | 160000         | ---           | 6.8         | SPL  |
| (d)     | 02/10/97                        |               | ---                  | ---           | 180000                     | 2100               | ND<500      | ND<500      | ND<500      | 160000         | ---           | ---         | SPL  |
|         | 08/04/97                        |               | 5.69                 | 6.29          | 14000                      | 2700               | ND<50       | 1200        | 1220        | 250000         | ---           | 7.2         | SPL  |
| (d)     | 08/04/97                        |               | ---                  | ---           | ND<25000                   | 2600               | ND<50       | 1200        | 1100        | 260000         | ---           | ---         | SPL  |
|         | 01/27/98                        |               | 3.96                 | 8.02          | 390000                     | 4400               | 4300        | 1600        | 2890        | 490000         | ---           | 6.4         | SPL  |
|         | 09/02/98                        |               | 5.03                 | 6.95          | 230000                     | 3900               | ND<50       | 1900        | 1000        | 230000         | ---           | 6.3         | SPL  |
|         | 02/24/99                        |               | 4.94                 | 7.04          | 82000                      | 3000               | 520         | 2600        | 3200        | 190000/200000  | (h)           | ---         | SPL  |
|         | 08/30/99                        |               | 6.31                 | 5.67          | 11000                      | 2100               | ND<25       | 1800        | 580         | 48000          | ---           | ---         | SPL  |

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

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| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(Feet) | DTW<br>(a)<br>(Feet) | GWE<br>(Feet) | GRO/TPH-G<br>(b)<br>(ug/L) | (q) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TDS<br>(mg/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|---------------|----------------------|---------------|----------------------------|-----|-------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| MW-1    | 02/21/00                        |               | 4.47                 | 7.51          | 12000                      | (i) | 1200        | 250         | 930         | 1800        | 31000          | ---           | ---         | PACE |
| (Cont.) | 08/08/00                        |               | 5.59                 | 6.39          | 4500                       |     | 160         | 2.8         | 76          | 88          | 60000          | ---           | ---         | PACE |
|         | 02/12/01                        |               | 6.04                 | 5.94          | 14000                      |     | 363         | ND<12.5     | 108         | 293         | 18000          | ---           | ---         | PACE |
|         | 08/13/01                        |               | 6.44                 | 5.54          | 14000                      |     | 161         | 17.1        | 255         | 545         | 5590           | ---           | ---         | PACE |
|         | 02/04/02                        |               | 4.49                 | 7.49          | 17000                      |     | 176         | 57.9        | 538         | 1670        | 2470           | ---           | ---         | PACE |
|         | 8/29/02*                        |               | 5.22                 | 6.76          | 4800                       | (l) | 180         | 43          | 130         | 540         | 3100           | ---           | ---         | SEQ  |
|         | 02/05/03                        |               | 5.43                 | 6.55          | 770                        |     | 29          | 9.8         | 4.2         | 47          | 590            | (m,n)         | ---         | SEQ  |
| (p)     | 08/14/03                        |               | 6.34                 | 5.64          | 5400                       |     | 210         | ND<50       | 90          | 200         | 4500           | ---           | ---         | SEQ  |
|         | 02/12/04                        |               | 4.55                 | 7.43          | 2600                       |     | 140         | 20          | 87          | 170         | 1200           | ---           | ---         | SEQ  |

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|---------|---------------------------------|---------------|----------------------|---------------|----------------------------|--------------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| MW-2    | 07/21/92                        | 12.98         | 6.44                 | 6.54          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | ---           | ---         | ---  |
|         | 10/20/92                        |               | 7.39                 | 5.59          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 03/05/93                        |               | 4.91                 | 8.07          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 04/01/93                        |               | 4.92                 | 8.06          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/09/93                        |               | 5.60                 | 7.38          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | ---         | PACE |
|         | 10/08/93                        |               | 6.50                 | 6.48          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | ---         | PACE |
| (d)     | 10/08/93                        |               | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | ---         | PACE |
|         | 01/06/94                        |               | 6.25                 | 6.73          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | ---         | PACE |
|         | 04/26/94                        |               | 5.73                 | 7.25          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k)           | 7.5         | PACE |
|         | 07/25/94                        |               | 6.07                 | 6.91          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | 11.59          | (k)           | 2.4         | PACE |
|         | 10/13/94                        |               | 6.80                 | 6.18          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | 2.4         | PACE |
|         | 01/17/95                        |               | 5.10                 | 7.88          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 03/31/95                        |               | 4.69                 | 8.29          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | 7.3         | ATI  |
|         | 05/01/95                        |               | 5.23                 | 7.75          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/12/95                        |               | 5.40                 | 7.58          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 10/12/95                        |               | 6.06                 | 6.92          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | 6.9         | ATI  |
|         | 02/27/96                        |               | 4.66                 | 8.32          | ND<50                      | ND<0.5             | ND<1        | ND<1        | ND<1        | ND<10          | 412           | 8.7         | SPL  |
|         | 05/08/96                        |               | 5.28                 | 7.70          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/09/96                        |               | 5.59                 | 7.39          | ND<50                      | ND<0.5             | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 7.8         | SPL  |
|         | 11/07/96                        |               | 6.11                 | 6.87          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/10/97                        |               | 5.26                 | 7.72          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/04/97                        |               | 6.14                 | 6.84          | ND<50                      | ND<0.5             | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 6.5         | SPL  |
|         | 01/27/98                        |               | 4.42                 | 8.56          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 09/02/98                        |               | 5.47                 | 7.51          | 100                        | 0.56               | 3.6         | ND<1.0      | 3.0         | 110            | ---           | 6.9         | SPL  |
|         | 02/24/99                        |               | 5.12                 | 7.86          | ND<50                      | ND<1.0             | ND<1.0      | ND<1.0      | ND<1.0      | 8.2            | ---           | ---         | SPL  |
|         | 08/30/99                        |               | 6.60                 | 6.38          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/21/00                        |               | 4.64                 | 8.34          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | 0.72           | ---           | ---         | PACE |
|         | 02/12/01                        |               | 5.13                 | 7.85          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5         | ---           | ---         | PACE |
|         | 02/04/02                        |               | 5.63                 | 7.35          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<1.0      | ND<0.5         | ---           | ---         | PACE |
|         | 8/29/02*                        |               | 5.79                 | 7.19          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/05/03                        |               | 5.61                 | 7.37          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<0.50     | ND<2.5         | (n)           | ---         | SEQ  |
| (o)     | 08/14/03                        |               | ---                  | ---           | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
| (p)     | 02/12/04                        |               | 5.19                 | 7.79          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ---           | ---         | SEQ  |



**Table 1  
Groundwater Elevation and Analytical Data**

Former BP Service Station #11104  
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| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC (Feet) | DTW (a)<br>(Feet) | GWE (Feet) | GRO/TPH-G (b)<br>(ug/L) | B (c)<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TDS<br>(mg/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|------------|-------------------|------------|-------------------------|-----------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| MW-3    | (e) 07/21/92                    | 13.38      | 7.07              | 6.31       | ND<50                   | 0.95            | ND<0.5      | ND<0.5      | ND<0.5      | ---            | ---           | ---         | ---  |
|         | 10/20/92                        |            | 8.06              | 5.32       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 03/05/93                        |            | 5.16              | 8.22       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 04/01/93                        |            | 5.25              | 8.13       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/09/93                        |            | 5.80              | 7.58       | ND<50                   | 0.6             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)---        | ---         | PACE |
|         | 10/08/93                        |            | 7.17              | 6.21       | ND<50                   | 0.6             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)---        | ---         | PACE |
|         | 01/06/94                        |            | 6.94              | 6.44       | ND<50                   | ND<0.5          | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)---        | ---         | PACE |
|         | 04/26/94                        |            | 6.18              | 7.20       | ND<50                   | ND<0.5          | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k)---        | 3.1         | PACE |
|         | 07/25/94                        |            | 6.67              | 6.71       | ND<50                   | ND<0.5          | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k)---        | 2.2         | PACE |
|         | 10/13/94                        |            | 7.43              | 5.95       | ND<50                   | ND<0.5          | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)---        | 2.1         | PACE |
|         | 01/17/95                        |            | 5.07              | 8.31       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 03/31/95                        |            | 4.03              | 9.35       | ND<50                   | ND<0.50         | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | 6.6         | ATI  |
|         | 05/01/95                        |            | 4.94              | 8.44       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/12/95                        |            | 5.80              | 7.58       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 10/12/95                        |            | 6.64              | 6.74       | ND<50                   | ND<0.50         | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | 6.4         | ATI  |
|         | 02/27/96                        |            | 4.75              | 8.63       | ND<50                   | ND<0.5          | ND<1        | ND<1        | ND<1        | ND<10          | 316           | 8.5         | SPL  |
|         | 05/08/96                        |            | 5.86              | 7.52       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/09/96                        |            | 5.70              | 7.68       | ND<50                   | ND<0.5          | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 7.9         | SPL  |
|         | 11/07/96                        |            | 6.21              | 7.17       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/10/97                        |            | 5.14              | 8.24       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/04/97                        |            | 6.01              | 7.37       | ND<50                   | ND<0.5          | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 6.6         | SPL  |
|         | 01/27/98                        |            | 4.30              | 9.08       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 09/02/98                        |            | 5.80              | 7.58       | ND<50                   | ND<0.5          | 2.2         | ND<1.0      | ND<1.0      | ND<10          | ---           | 6.6         | SPL  |
|         | 02/24/99                        |            | 4.34              | 9.04       | ND<50                   | ND<1.0          | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0         | ---           | ---         | SPL  |
|         | 08/30/99                        |            | 6.59              | 6.79       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/21/00                        |            | 4.56              | 8.82       | ND<50                   | ND<0.5          | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5         | ---           | ---         | PACE |
|         | (j) 02/12/01                    |            | 4.98              | 8.40       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | (j) 02/04/02                    |            | 6.11              | 7.27       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | (j) 8/29/02*                    |            | 6.22              | 7.16       | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | (f) 02/05/03                    |            | ---               | ---        | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | (o) 08/14/03                    |            | ---               | ---        | ---                     | ---             | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | (p) 02/12/04                    |            | 4.94              | 8.44       | ND<50                   | ND<0.50         | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ---           | ---         | SEQ  |

-----Obstruction in Well - Unable to Sample-----

**Table 1  
Groundwater Elevation and Analytical Data**

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(Feet) | DTW<br>(a)<br>(Feet) | GWE<br>(Feet) | GRO/TPH-G<br>(b)<br>(ug/L) | B<br>(c)<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TDS<br>(mg/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|---------------|----------------------|---------------|----------------------------|--------------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| MW-4    | 03/05/93                        | 11.80         | 4.81                 | 6.99          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | ---           | ---         | ---  |
|         | 04/01/93                        |               | 4.80                 | 7.00          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/09/93                        |               | 5.54                 | 6.26          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | ---         | PACE |
|         | 10/08/93                        |               | 6.28                 | 5.52          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | ---         | PACE |
|         | 01/06/94                        |               | 5.82                 | 5.98          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k)           | ---         | PACE |
|         | 04/26/94                        |               | 5.50                 | 6.30          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k)           | 7.4         | PACE |
|         | 07/25/94                        |               | 5.83                 | 5.97          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k)           | 7.2         | PACE |
|         | 10/13/94                        |               | 6.26                 | 5.54          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k)           | 6.7         | PACE |
|         | 01/17/95                        |               | 4.19                 | 7.61          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 03/31/95                        |               | 3.96                 | 7.84          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | 7.1         | ATI  |
|         | 05/01/95                        |               | 4.49                 | 7.31          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/12/95                        |               | 5.16                 | 6.64          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 10/12/95                        |               | 5.80                 | 6.00          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | 6.9         | ATI  |
|         | 02/27/96                        |               | 4.22                 | 7.58          | ND<50                      | ND<0.5             | ND<1        | ND<1        | ND<1        | ND<10          | 256           | 8.9         | SPL  |
|         | 05/08/96                        |               | 5.00                 | 6.80          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/09/96                        |               | 5.13                 | 6.67          | ND<50                      | ND<0.5             | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 8.5         | SPL  |
|         | 11/07/96                        |               | 5.65                 | 6.15          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/10/97                        |               | 4.81                 | 6.99          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/04/97                        |               | 5.72                 | 6.08          | ND<50                      | ND<0.5             | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 6.4         | SPL  |
|         | 01/27/98                        |               | 4.06                 | 7.74          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 09/02/98                        |               | 4.89                 | 6.91          | ND<50                      | ND<0.5             | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | 5.8         | SPL  |
|         | 02/24/99                        |               | 3.89                 | 7.91          | ND<50                      | ND<1.0             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0         | ---           | ---         | SPL  |
|         | 08/30/99                        |               | 5.62                 | 6.18          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/21/00                        |               | 4.00                 | 7.80          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | 0.66           | ---           | ---         | PACE |
|         | 02/12/01                        |               | 4.93                 | 6.87          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | 0.982          | ---           | ---         | PACE |
|         | 02/04/02                        |               | 4.49                 | 7.31          | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<1.0      | ND<0.5         | ---           | ---         | PACE |
|         | 8/29/02*                        |               | 5.38                 | 6.42          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 02/05/03                        |               | 4.50                 | 7.30          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<0.50     | ND<2.5         | (n)           | ---         | SEQ  |
| (o)     | 08/14/03                        |               | ---                  | ---           | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
| (p)     | 02/12/04                        |               | 4.41                 | 7.39          | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ---           | ---         | SEQ  |

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

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

| WELL ID | DATE OF SAMPLING/ MONITORING | TOC (Feet) | DTW (a) (Feet) | GWE (Feet) | GRO/TPH-G (b) (ug/L) | B (q) (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE (ug/L) | TDS (mg/L) | DO (ppm) | LAB  |
|---------|------------------------------|------------|----------------|------------|----------------------|--------------|----------|----------|----------|-------------|------------|----------|------|
| MW-5    | 04/01/93                     | 11.62      | 4.77           | 6.85       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ---         | ---        | ---      | ---  |
|         | 07/09/93                     |            | 5.40           | 6.22       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ---         | (k) ---    | ---      | PACE |
|         | 10/08/93                     |            | 5.87           | 5.75       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ---         | (k) ---    | ---      | PACE |
|         | 01/06/94                     |            | 5.75           | 5.87       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ND<5.0      | (k) ---    | ---      | PACE |
|         | 04/26/94                     |            | 5.49           | 6.13       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ND<5.0      | (k) ---    | 7.1      | PACE |
|         | 07/25/94                     |            | 5.69           | 5.93       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ND<5.0      | (k) ---    | 6.6      | PACE |
|         | 10/13/94                     |            | 6.03           | 5.59       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ---         | (k) ---    | 3.0      | PACE |
|         | 01/17/95                     |            | 4.74           | 6.88       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 03/31/95                     |            | 4.58           | 7.04       | ND<50                | ND<0.50      | ND<0.50  | ND<0.50  | ND<1.0   | ---         | ---        | 7.1      | ATI  |
|         | 05/01/95                     |            | 4.79           | 6.83       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 07/12/95                     |            | 5.32           | 6.30       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 10/12/95                     |            | 5.70           | 5.92       | ND<50                | ND<0.50      | ND<0.50  | ND<0.50  | ND<1.0   | ND<5.0      | ---        | 6.7      | ATI  |
| (f)     | 02/27/96                     |            | ---            | ---        | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 05/08/96                     |            | 4.91           | 6.71       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 08/09/96                     |            | 5.01           | 6.61       | ND<50                | ND<0.5       | ND<1.0   | ND<1.0   | ND<1.0   | ND<10       | ---        | 7.7      | SPL  |
|         | 11/07/96                     |            | 5.54           | 6.08       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 02/10/97                     |            | 4.66           | 6.96       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 08/04/97                     |            | 5.51           | 6.11       | ND<50                | ND<0.5       | ND<1.0   | ND<1.0   | ND<1.0   | ND<10       | ---        | 6.9      | SPL  |
|         | 01/27/98                     |            | 4.01           | 7.61       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 09/02/98                     |            | 5.17           | 6.45       | ND<50                | ND<0.5       | ND<1.0   | ND<1.0   | ND<1.0   | ND<10       | ---        | 6.4      | SPL  |
|         | 02/24/99                     |            | 4.52           | 7.10       | ND<50                | ND<1.0       | ND<1.0   | ND<1.0   | ND<1.0   | ND<1.0      | ---        | ---      | SPL  |
|         | 08/30/99                     |            | 6.02           | 5.60       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 02/21/00                     |            | 4.62           | 7.00       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ND<0.5      | ---        | ---      | PACE |
|         | 02/12/01                     |            | 4.80           | 6.82       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<0.5   | ND<0.5      | ---        | ---      | PACE |
|         | 02/04/02                     |            | 4.63           | 6.99       | ND<50                | ND<0.5       | ND<0.5   | ND<0.5   | ND<1.0   | ND<0.5      | ---        | ---      | PACE |
|         | 8/29/02*                     |            | 5.15           | 6.47       | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 02/05/03                     |            | 4.36           | 7.26       | ND<50                | ND<0.50      | ND<0.50  | ND<0.50  | ND<0.50  | ND<2.5      | ---        | ---      | SEQ  |
| (o)     | 08/14/03                     |            | ---            | ---        | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |
|         | 02/12/04                     |            | ---            | ---        | ---                  | ---          | ---      | ---      | ---      | ---         | ---        | ---      | ---  |

-----Truck parked on top of well - Unable to Sample-----

**Table 1  
Groundwater Elevation and Analytical Data**

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(Feet) | DTW<br>(a)<br>(Feet) | GWE<br>(Feet) | GRO/TPH-G<br>(b)<br>(ug/L) | B<br>(c)<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TDS<br>(mg/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|---------------|----------------------|---------------|----------------------------|--------------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| RW-1    | 01/06/94                        | 11.84         | 5.59                 | 6.25          | 23000                      | 3800               | 210         | 840         | 2100        | 4663           | (c)(k)        | ---         | PACE |
| (d)     | 01/06/94                        |               | ---                  | ---           | 24000                      | 3700               | 210         | 830         | 2000        | 4562           | (c)(k)        | ---         | PACE |
|         | 04/26/94                        |               | 5.21                 | 6.63          | 24000                      | 3500               | 120         | 800         | 1700        | 8145           | (c)(k)        | 6.4         | PACE |
| (d)     | 04/26/94                        |               | ---                  | ---           | 22000                      | 3300               | 110         | 700         | 1700        | 6909           | (c)(k)        | ---         | PACE |
|         | 07/25/94                        |               | 5.52                 | 6.32          | 31000                      | 4800               | 290         | 1100        | 1700        | ND<5.0         | (c)(k)        | 5.5         | PACE |
| (d)     | 07/25/94                        |               | ---                  | ---           | 28000                      | 4400               | 240         | 960         | 1400        | 20608          | (c)(k)        | ---         | PACE |
|         | 10/13/94                        |               | 6.05                 | 5.79          | 20000                      | 4200               | 46          | 990         | 440         | ---            | (k)           | 6.8         | PACE |
|         | 01/17/95                        |               | 4.02                 | 7.82          | 9600                       | 1500               | 65          | 300         | 2700        | ---            | ---           | 7.7         | ATI  |
|         | 03/31/95                        |               | 3.81                 | 8.03          | 16000                      | 1500               | 780         | 370         | 2000        | ---            | ---           | 7.8         | ATI  |
|         | 05/01/95                        |               | 4.21                 | 7.63          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 07/12/95                        |               | 4.93                 | 6.91          | 22000                      | 3700               | 150         | 950         | 2800        | ---            | ---           | 7.2         | ATI  |
|         | 10/12/95                        |               | 5.46                 | 6.38          | 30000                      | 1600               | 1500        | 1700        | 8500        | 4300           | ---           | 7.0         | ATI  |
|         | 02/27/96                        |               | 4.00                 | 7.84          | 1800                       | 30                 | 24          | 41          | 440         | 52             | 194           | 7.7         | SPL  |
| (d)     | 02/27/96                        |               | ---                  | ---           | 1600                       | 30                 | 23          | 38          | 420         | 50             | ---           | ---         | SPL  |
|         | 05/08/96                        |               | 4.65                 | 7.19          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 05/09/96                        |               | ---                  | ---           | 3200                       | 19                 | 19          | 97          | 800         | ND<50          | ---           | 7.1         | SPL  |
| (d)     | 05/09/96                        |               | ---                  | ---           | 2900                       | 15                 | 15          | 78          | 700         | ND<50          | ---           | ---         | SPL  |
|         | 08/09/96                        |               | 4.96                 | 6.88          | ---                        | ---                | ---         | ---         | ---         | ---            | ---           | ---         | ---  |
|         | 08/12/96                        |               | ---                  | ---           | 6900                       | 210                | 270         | 390         | 1920        | ND<100         | ---           | 7.9         | SPL  |
| (d)     | 08/12/96                        |               | ---                  | ---           | 8200                       | 270                | 330         | 450         | 2330        | ND<100         | ---           | ---         | SPL  |
|         | 11/07/96                        |               | 5.50                 | 6.34          | 6100                       | 320                | 45          | ND<10       | ND<10       | 430            | ---           | 6.9         | SPL  |
| (d)     | 11/07/96                        |               | ---                  | ---           | 6800                       | 360                | 45          | ND<10       | ND<10       | 500            | ---           | ---         | SPL  |
|         | 02/10/97                        |               | 3.85                 | 7.99          | 170000                     | ND<120             | ND<250      | ND<250      | ND<250      | 150000         | ---           | 6.7         | SPL  |
|         | 08/04/97                        |               | 4.72                 | 7.12          | ND<25000                   | 580                | 450         | 630         | 3700        | 230000         | ---           | 6.9         | SPL  |
|         | 01/27/98                        |               | 3.80                 | 8.04          | 52000                      | 380                | 330         | 490         | 2970        | 38000          | ---           | 6.1         | SPL  |
| (d)     | 01/27/98                        |               | ---                  | ---           | 51000                      | 380                | 300         | 480         | 2980        | 36000          | ---           | ---         | SPL  |
|         | 09/02/98                        |               | 4.91                 | 6.93          | 260000                     | 2500               | 56          | 1400        | 3070        | 250000         | ---           | 6.6         | SPL  |
| (d)     | 09/02/98                        |               | ---                  | ---           | 280000                     | 2400               | ND<50       | 1400        | 3170        | 270000         | ---           | ---         | SPL  |
|         | 02/24/99                        |               | 4.16                 | 7.68          | 120                        | ND<1.0             | ND<1.0      | 1.5         | 13          | 130/140        | (h)           | ---         | SPL  |
|         | 08/30/99                        |               | 5.52                 | 6.32          | 3100                       | 320                | ND<25       | 120         | 28          | 60000          | ---           | ---         | SPL  |
|         | 02/21/00                        |               | 3.68                 | 8.16          | 340                        | (i) 8.6            | 1.8         | 11          | 66          | 2500           | ---           | ---         | PACE |
|         | 08/08/00                        |               | 4.85                 | 6.99          | 1600                       | 3.2                | ND<0.5      | 0.82        | 1.2         | 19000          | ---           | ---         | PACE |
|         | 02/12/01                        |               | 4.26                 | 7.58          | 1500                       | 1.33               | ND<0.5      | ND<0.5      | 5.69        | 2420           | ---           | ---         | PACE |
|         | 08/13/01                        |               | 5.34                 | 6.50          | 290                        | ND<0.5             | ND<0.5      | ND<0.5      | ND<1.5      | 314            | ---           | ---         | PACE |
|         | 02/04/02                        |               | 4.08                 | 7.76          | 570                        | 9.15               | 0.874       | 19.2        | 83.8        | 97.4           | ---           | ---         | PACE |
|         | 8/29/02*                        |               | 5.12                 | 6.72          | ND<50                      | 0.59               | ND<0.50     | ND<0.50     | ND<0.50     | 19             | ---           | ---         | SEQ  |
|         | 02/05/03                        |               | 5.21                 | 6.63          | ND<50                      | ND<0.50            | ND<0.50     | 0.68        | 1.7         | 18             | (n)           | ---         | SEQ  |
| (p)     | 08/14/03                        |               | 5.07                 | 6.77          | ND<500                     | ND<5.0             | ND<5.0      | ND<5.0      | 5.4         | 490            | ---           | ---         | SEQ  |
|         | 02/12/04                        |               | 4.19                 | 7.65          | 120                        | 1.6                | ND<1.0      | 3.0         | 4.1         | 51             | ---           | ---         | SEQ  |

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

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(Feet) | DTW<br>(a)<br>(Feet) | GWE<br>(Feet) | GRO/TPH-G<br>(b)<br>(ug/L) | B<br>(q)<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TDS<br>(mg/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|---------------|----------------------|---------------|----------------------------|--------------------|-------------|-------------|-------------|----------------|---------------|-------------|------|
| QC-2    | (g) 07/09/93                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k) ---       | ---         | PACE |
| QC-2    | (g) 10/08/93                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k) ---       | ---         | PACE |
| QC-2    | (g) 01/06/94                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k) ---       | ---         | PACE |
| QC-2    | (g) 04/26/94                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k) ---       | ---         | PACE |
| QC-2    | (g) 07/25/94                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (k) ---       | ---         | PACE |
| QC-2    | (g) 10/13/94                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (k) ---       | ---         | PACE |
| QC-2    | (g) 01/17/95                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<0.5      | ND<0.5      | ND<1        | ---            | ---           | ---         | ATI  |
| QC-2    | (g) 03/31/95                    | ---           | ---                  | ---           | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | ---         | ATI  |
| QC-2    | (g) 07/12/95                    | ---           | ---                  | ---           | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | ---         | ATI  |
| QC-2    | (g) 10/12/95                    | ---           | ---                  | ---           | ND<50                      | ND<0.50            | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | ---         | ATI  |
| QC-2    | (g) 02/27/96                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<1        | ND<1        | ND<1        | ND<10          | ---           | ---         | SPL  |
| QC-2    | (g) 05/09/96                    | ---           | ---                  | ---           | ND<50                      | ND<0.5             | ND<1        | ND<1        | ND<1        | ND<10          | ---           | ---         | SPL  |

**Table 1  
Groundwater Elevation and Analytical Data**

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

ABBREVIATIONS:

|       |  |
|-------|--|
| ATI   | Analytical Technologies, Inc.  |
| B     | Benzene  |
| DO    | Dissolved oxygen   |
| DTW   | Depth to Water   |
| E     | Ethylbenzene   |
| GRO   | Gasoline Range Organics  |
| GWE   | Groundwater Elevation  |
| mg/L  | Milligrams per liter   |
| MTBE  | Methyl tert butyl ether  |
| ND<   | Not detected above reported detection limit  |
| PACE  | Pace Analytical Services, Inc.   |
| ppm   | Parts per million  |
| SEQ   | Sequoia Analytical   |
| SPL   | Southern Petroleum Laboratories  |
| T     | Toluene  |
| TDS   | Total dissolved solids   |
| TOC   | Top of Casing  |
| TPH-G | Total petroleum hydrocarbons as gasoline   |
| ug/L  | Micrograms per liter   |
| X     | Total xylenes  |
| ---   | Not applicable/available/analyzed/measured   |
| *     | During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP. |

NOTES:

- (a) Top of casing elevations surveyed in reference to USGS benchmark (14.108 feet above mean sea level) at northwest corner of Webster Street and Pacific Avenue.
- (b) Groundwater elevations in feet above mean sea level.
- (c) A copy of the documentation for this data is included in Appendix C of Alisto report 10-155-07-001
- (d) Blind duplicate.
- (e) Sample also analyzed for cadmium, nickel, chromium, lead, and zinc. None were detected above the reported detection limit.
- (f) Well inaccessible.
- (g) Travel blank.
- (h) MTBE by EPA Methods 8020/8260.
- (i) Gasoline does not include MTBE.
- (j) Unable to sample.
- (k) A copy of the documentation for this data can be found in Baline Tech Services report 010813-N-2. No chromatograms could be located for MTBE data from wells MW-2, MW-3, MW-4, MW-5, and QC-2, sampled on July 9, 1993; all wells sampled on October 8, 1993; wells MW-1, MW-2, and MW-3, sampled on January 6, 1994; and all wells sampled on October 13, 1994.
- (l) Chromatogram Pattern: Gasoline C6-C10
- (m) The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- (n) The closing calibration was outside acceptance limits by 1% high. This should be considered in evaluating the result. The avg. % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.
- (o) The original scope of work only called for annual gauging of well. This issue has been addressed, and in the future, gauging of this well will be semi-annual (1st and 3rd quarter).
- (p) Groundwater samples analyzed by EPA Method 8260B for GRO/BTEX and MTBE.
- (q) Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

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

**Table 2  
Fuel Oxygenate Analytical Data**

Former BP Service Station #11104  
1716 Webster Street, Alameda, CA

| Well Number | Date Sampled | Ethanol (µg/L)                                | TBA (µg/L) | MTBE (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) |
|-------------|--------------|---|------------|-------------|-------------|-------------|-------------|----------------|------------|
| MW-1        | 08/14/03     | ND<10,000 <sup>a</sup>                        | ND<2,000   | 4,500       | ND<50       | ND<50       | 89          | ND<50          | ND<50      |
|             | 02/12/04     | ND<2,000                                      | 960        | 1,200       | ND<10       | ND<10       | 33          | ND<10          | ND<10      |
| MW-2        | 08/14/03     | NS  | NS         | NS          | NS          | NS          | NS          | NS             | NS         |
|             | 02/12/04     | ND<100  | ND<20      | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-3        | 08/14/03     | NS  | NS         | NS          | NS          | NS          | NS          | NS             | NS         |
|             | 02/12/04     | ND<100  | ND<20      | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-4        | 08/14/03     | NS  | NS         | NS          | NS          | NS          | NS          | NS             | NS         |
|             | 02/12/04     | ND<100  | ND<20      | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50        | ND<0.50    |
| MW-5        | 08/14/03     | NS  | NS         | NS          | NS          | NS          | NS          | NS             | NS         |
|             | 02/12/04     | Unable to Sample: Truck parked on top of well |            |             |             |             |             |                |            |
| RW-1        | 08/14/03     | ND<1,000 <sup>a</sup>                         | ND<200     | 490         | ND<5.0      | ND<5.0      | 11          | ND<5.0         | ND<5.0     |
|             | 02/12/04     | ND<200  | 83         | 51          | ND<1.0      | ND<1.0      | 1.2         | ND<1.0         | ND<1.0     |

Notes:

All fuel oxygenate compounds analyzed using EPA Method 8260B

Abbreviations:

1,2-DCA = 1,2-Dibromoethane  
 DIPE = Di-isopropyl ether  
 EDB = 1,2-Dichloroethane  
 ETBE = Ethyl tert Butyl ether  
 MTBE = Methyl tert-Butyl ether  
 ND< = Not detected at or above specified laboratory reporting limit  
 NS = Not Sampled  
 TAME = tert-Amyl Methyl ether  
 TBA = tert-Butyl alcohol  
 µg/L = micrograms per liter

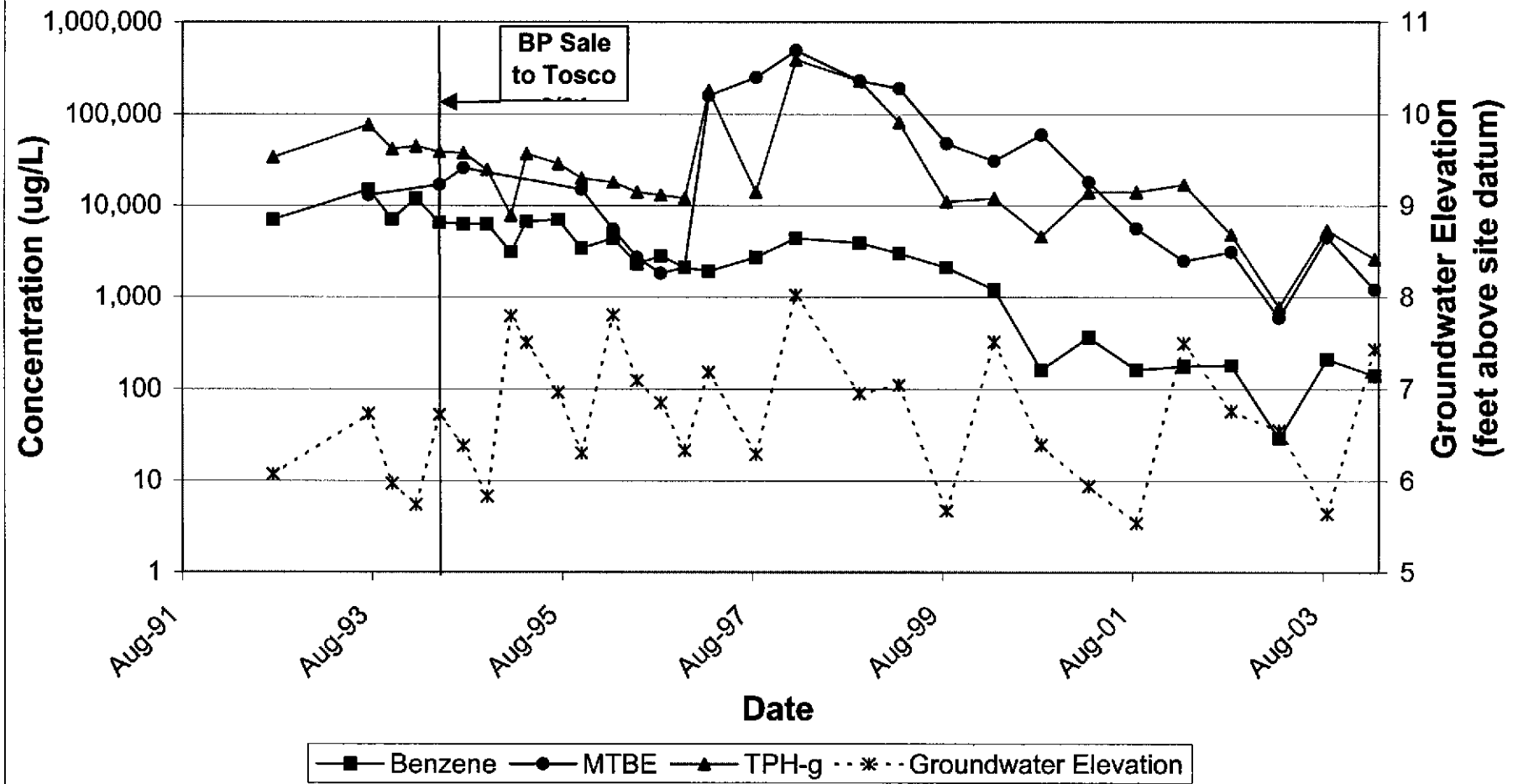
a = The continuing calibration was outside of client contractual acceptance limits. However, it was within the method acceptance limit. The data should still be useful for its intended purpose.

**ATTACHMENT A**

**CONCENTRATION AND WATER LEVEL TRENDS  
(MW-1 & RW-1)**

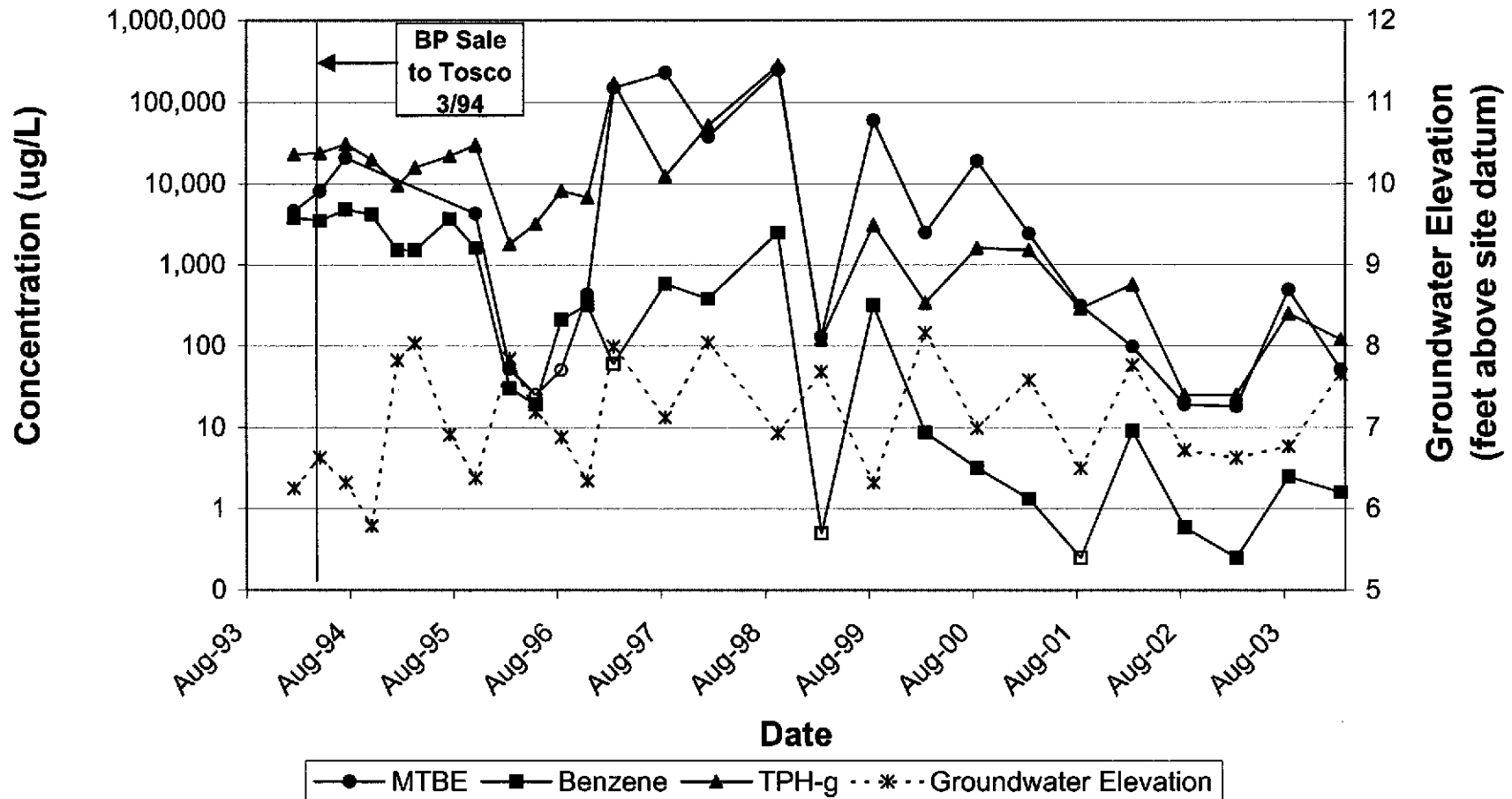


# Concentration and Water Level Trends Well MW-1



Former BP Service Station #11104  
1716 Webster Street  
Alameda, California

# Concentration and Water Level Trends Well RW-1



Former BP Service Station #11104  
1716 Webster Street  
Alameda, California

**ATTACHMENT B**  
**FIELD PROCEDURES AND FIELD DATA SHEETS**

## FIELD PROCEDURES

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### Sampling Procedures

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

WELL GAUGING DATA

Project # 040212-DW-1 Date 2-12-04 Client Arco/ BP 11104

Site 1716 Webster St. Alameda

| Well ID | Well Size (in.) | Sheen / Odor                  | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB of <u>TOC</u> |
|---------|-----------------|-------------------------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|---------------------------------|
| MW-1    | 2               |                               |                                  |                                      |                                    | 4.55                 | 15.59                      | ↓                               |
| MW-2    | 2               |                               |                                  |                                      |                                    | 5.19                 | 15.69                      |                                 |
| MW-3    | 2               | obstruction in well           |                                  |                                      |                                    | 4.94                 | 15.25                      |                                 |
| MW-4    | 2               |                               |                                  |                                      |                                    | 4.41                 | 9.45                       |                                 |
| MW-5    | 2               | Truck parked on top of well - |                                  |                                      |                                    |                      | 14.65                      |                                 |
| RW-1    | 6               |                               |                                  |                                      |                                    | 4.19                 | 22.35                      | ↓                               |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |
|         |                 |                               |                                  |                                      |                                    |                      |                            |                                 |

## ARCO / BP WELL MONITORING DATA SHEET

|                                 |   |
|---------------------------------|---|
| BTS #: <u>040212-DW-1</u>       | Station # <u>11104</u>                        |
| Sampler: <u>Dave W.</u>         | Date: <u>2-12-04</u>                          |
| Well I.D.: <u>MW-1</u>          | Well Diameter: <u>(2)</u> 3 4 6 8 <u>    </u> |
| Total Well Depth: <u>15.59</u>  | Depth to Water: <u>4.55</u>                   |
| Depth to Free Product:          | Thickness of Free Product (feet):             |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH               |

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

Purge Method:  Bailer      Sampling Method:  Bailer  
 Disposable Bailer       Disposable Bailer  
 Positive Air Displacement       Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_  
 Extraction Pump  
 Other: \_\_\_\_\_

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

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>1.8</u>            | x | <u>3</u>          | = | <u>5.4</u>        | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time  | Temp (°F) | pH  | Conductivity (mS or <del>µS</del> ) | Gals. Removed | Observations   |
|-------|-----------|-----|-------------------------------------|---------------|----------------|
| 11:02 | 60.6      | 6.5 | 368                                 | 1.8           | odor / grayish |
| 11:05 | 60.8      | 6.7 | 446                                 | 3.6           | " "            |
| 11:07 | 61.0      | 6.8 | 489                                 | 5.4           | " "            |
|       |           |     |                                     |               |                |
|       |           |     |                                     |               |                |

Did well dewater? Yes  No  Gallons actually evacuated: 5.4

Sampling Time: 11:10 Sampling Date: 2-12-04

Sample I.D.: MW-1 Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's, Ethanol, 1,2-DEA + EOB

D.O. (if req'd): Pre-purge: \_\_\_\_\_ mg/L Post-purge: \_\_\_\_\_ mg/L

O.R.P. (if req'd): Pre-purge: \_\_\_\_\_ mV Post-purge: \_\_\_\_\_ mV

## ARCO / BP WELL MONITORING DATA SHEET

|                                   |   |
|-----------------------------------|---|
| BTS #: <u>040212-DW-1</u>         | Station # <u>11104</u>                        |
| Sampler: <u>Dave W.</u>           | Date: <u>2-12-04</u>                          |
| Well I.D.: <u>MW-2</u>            | Well Diameter: <u>(2)</u> 3 4 6 8 <u>    </u> |
| Total Well Depth: <u>15.69</u>    | Depth to Water: <u>5.19</u>                   |
| Depth to Free Product:            | Thickness of Free Product (feet):             |
| Referenced to: <u>(PVC)</u> Grade | D.O. Meter (if req'd): YSI HACH               |

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

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

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

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>1.7</u>            | X | <u>3</u>          | = | <u>5.1</u>        | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time         | Temp (°F)   | pH         | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|--------------|-------------|------------|---------------------------------|---------------|--------------|
| <u>10:07</u> | <u>61.4</u> | <u>6.4</u> | <u>342</u>                      | <u>1.7</u>    |              |
| <u>10:10</u> | <u>63.8</u> | <u>6.4</u> | <u>360</u>                      | <u>3.4</u>    |              |
| <u>10:12</u> | <u>63.8</u> | <u>6.4</u> | <u>341</u>                      | <u>5.1</u>    |              |
|              |             |            |                                 |               |              |

|   |   |
|---|---|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             | Gallons actually evacuated: <u>5.1</u>        |
| Sampling Time: <u>10:16</u>   | Sampling Date: <u>2-12-04</u>                 |
| Sample I.D.: <u>MW-2</u>  | Laboratory: Pace <u>(Sequoia)</u> Other _____ |
| Analyzed for: <u>(TPH-G)</u> <u>(BTEX)</u> MTBE TPH-D Other: <u>Oxy's, Ethanol, 1,2-DCA + EOB</u> |   |
| D.O. (if req'd):  | Pre-purge: _____ mg/L Post-purge: _____ mg/L  |
| O.R.P. (if req'd):  | Pre-purge: _____ mV Post-purge: _____ mV      |

## ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                       |
|---------------------------------|---------------------------------------|
| BTS #: <u>040212-DW-1</u>       | Station # <u>11104</u>                |
| Sampler: <u>Dave W.</u>         | Date: <u>2-12-04</u>                  |
| Well I.D.: <u>MW-3</u>          | Well Diameter: <u>2</u> 3 4 6 8 _____ |
| Total Well Depth: <u>15.25</u>  | Depth to Water: <u>4.94</u>           |
| Depth to Free Product:          | Thickness of Free Product (feet):     |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH       |

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

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

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

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>1.6</u>            | X | <u>3</u>          | = | <u>4.8</u>        | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or $\mu$ S) | Gals. Removed | Observations                         |
|------|-----------|-----|------------------------------|---------------|--------------------------------------|
| 9:45 | 59.7      | 5.8 | 329                          | 1.6           | Gray/silty                           |
| 9:48 | 59.3      | 5.9 | 254                          | 3.2           | " "                                  |
| 9:52 | 59.3      | 6.0 | 201                          | 4.8           | starting to turn brown-<br>less gray |
|      |           |     |                              |               |                                      |

|   |  |
|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>         | Gallons actually evacuated: <u>4.8</u>       |
| Sampling Time: <u>9:57</u>  | Sampling Date: <u>2-12-04</u>                |
| Sample I.D.: <u>MW-3</u>  | Laboratory: Pace <u>Sequoia</u> Other: _____ |
| Analyzed for: <u>TPH-C</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's, Ethanol, 1,2-DCA + EOB</u> |  |
| D.O. (if req'd):  | Pre-purge: _____ mg/L Post-purge: _____ mg/L |
| O.R.P. (if req'd):  | Pre-purge: _____ mV Post-purge: _____ mV     |



## ARCO / BP WELL MONITORING DATA SHEET

|                                 |   |
|---------------------------------|---|
| BTS #: <u>040212-DW-1</u>       | Station # <u>11104</u>                  |
| Sampler: <u>Dave W.</u>         | Date: <u>2-12-04</u>                    |
| Well I.D.: <u>MW-4</u>          | Well Diameter: <u>(2)</u> 3 4 6 8 _____ |
| Total Well Depth: <u>9.45</u>   | Depth to Water: <u>4.41</u>             |
| Depth to Free Product:          | Thickness of Free Product (feet):       |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH         |

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

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

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

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>0.8</u>            | x | <u>3</u>          | = | <u>2.4</u>        | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time  | Temp (°F) | pH  | Conductivity (mS or µS) | Gals. Removed | Observations |
|-------|-----------|-----|-------------------------|---------------|--------------|
| 10:42 | 60.9      | 6.4 | 269                     | 0.8           | light brown  |
| 10:44 | 60.9      | 6.3 | 273                     | 1.6           | "            |
| 10:46 | 60.8      | 6.3 | 281                     | 2.4           | "            |
|       |           |     |                         |               |              |
|       |           |     |                         |               |              |

|   |  |
|---|--|
| Did well dewater? Yes <input checked="" type="checkbox"/>                                     | Gallons actually evacuated: <u>2.4</u>       |
| Sampling Time: <u>10:49</u>   | Sampling Date: <u>2-12-04</u>                |
| Sample I.D.: <u>MW-4</u>  | Laboratory: Pace <u>Sequoia</u> Other _____  |
| Analyzed for: <u>TPH-C</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's, Ethanol, 1,2-DCA + EOB</u> |  |
| D.O. (if req'd):  | Pre-purge: _____ mg/L Post-purge: _____ mg/L |
| O.R.P. (if req'd):  | Pre-purge: _____ mV Post-purge: _____ mV     |

## ARCO / BP WELL MONITORING DATA SHEET

|                                 |   |
|---------------------------------|---|
| BTS #: <u>040212-DW-1</u>       | Station # <u>11104</u>                  |
| Sampler: <u>Dave W.</u>         | Date: <u>2-12-04</u>                    |
| Well I.D.: <u>MW-5</u>          | Well Diameter: <u>(2)</u> 3 4 6 8 _____ |
| Total Well Depth:               | Depth to Water:                         |
| Depth to Free Product:          | Thickness of Free Product (feet):       |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH         |

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

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible Extraction Pump
- Other: \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Other: \_\_\_\_\_

Top of Screen: \_\_\_\_\_

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

|                       |   |                   |   |                   |
|-----------------------|---|-------------------|---|-------------------|
| 1 Case Volume (Gals.) | X | <u>3</u>          | = | _____ Gals.       |
|                       |   | Specified Volumes |   | Calculated Volume |

| Time | Temp (°F) | pH | Conductivity (mS or µS) | Gals. Removed | Observations  |
|------|-----------|----|-------------------------|---------------|---|
|      |           |    |                         |               | <p><i>Unable to gauge or sample. Truck parked on top of well. Truck is visible from all locations and it never moves off of well.</i></p> |
|      |           |    |                         |               |   |
|      |           |    |                         |               |   |
|      |           |    |                         |               |   |
|      |           |    |                         |               |   |

|  |   |
|--|---|
| Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> | Gallons actually evacuated: _____           |
| Sampling Time: _____   | Sampling Date: <u>2-12-04</u>               |
| Sample I.D.: _____   | Laboratory: Pace <u>Sequoia</u> Other _____ |
| Analyzed for: <u>TPH-C</u> <u>BTEX</u> MTBE TPN-D Other: <u>Oxy's, Ethanol, 1,2-DCA + BDA</u>    |   |
| D.O. (if req'd): Pre-purge: _____ <sup>mg/L</sup>  | Post-purge: _____ <sup>mg/L</sup>           |
| O.R.P. (if req'd): Pre-purge: _____ mV   | Post-purge: _____ mV                        |

## ARCO / BP WELL MONITORING DATA SHEET

|                                 |                                   |
|---------------------------------|-----------------------------------|
| BTS #: <u>040212-DW-1</u>       | Station # <u>11104</u>            |
| Sampler: <u>Dave W.</u>         | Date: <u>2-12-04</u>              |
| Well I.D.: <u>RW-1</u>          | Well Diameter: 2 3 4 <b>6</b> 8   |
| Total Well Depth: <u>22.35</u>  | Depth to Water: <u>4.19</u>       |
| Depth to Free Product:          | Thickness of Free Product (feet): |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH   |

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

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

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

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>26.7</u>           | X | <u>3</u>          | = | <u>80.1</u>       | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time         | Temp (°F)   | pH         | Conductivity (mS or $\mu$ S) | Gals. Removed | Observations  |
|--------------|-------------|------------|------------------------------|---------------|---------------|
| <u>11:00</u> | <u>61.6</u> | <u>5.9</u> | <u>191</u>                   | <u>27</u>     | <u>orange</u> |
|              |             |            | <u>@ 30 g/l</u>              |               |               |
| <u>11:25</u> | <u>61.6</u> |            | <u>228</u>                   | <u>-</u>      | <u>cloudy</u> |
|              |             |            |                              |               |               |
|              |             |            |                              |               |               |

|  |   |
|--|---|
| Did well dewater? <input checked="" type="checkbox"/> Yes    No                | Gallons actually evacuated: <u>30</u>           |
| Sampling Time: <u>11:25</u>  | Sampling Date: <u>2-12-04</u>                   |
| Sample I.D.: <u>RW-1</u>   | Laboratory: Pace <u>Sequoia</u> Other _____     |
| Analyzed for: <u>TPH-C</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's, Ethanol</u> |   |
| D.O. (if req'd):   | Pre-purge: _____ mg/L    Post-purge: _____ mg/L |
| O.R.P. (if req'd):   | Pre-purge: _____ mV    Post-purge: _____ mV     |

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

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

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

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

Station # 11104

Station Address 1716 Webster St. Alameda

Total Gallons Collected From Groundwater Monitoring Wells:  
47

added equip. 3  
rinse water

any other  
adjustments

TOTAL GALS.  
RECOVERED 50

loaded onto  
BTS vehicle # 47

BTS event # 040212-PW-1 time 11:15 date 2/12/04

signature David C. Hacht

\*\*\*\*\*

REC'D AT \_\_\_\_\_ time \_\_\_\_\_ date \_\_\_\_\_

unloaded by \_\_\_\_\_  
signature \_\_\_\_\_

**ATTACHMENT C**

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

## **LABORATORY PROCEDURES**

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### **Laboratory Procedures**

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



**Sequoia  
Analytical**

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

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1 March, 2004

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

RE: BP Heritage #11104, Alameda, CA  
Work Order: MNB0407

Enclosed are the results of analyses for samples received by the laboratory on 02/13/04 08:32. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley For Lisa Race  
Senior Project Manager

CA ELAP Certificate #1210

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

 Project: BP Heritage #11104, Alameda, CA  
 Project Number: N/P  
 Project Manager: Leonard Niles

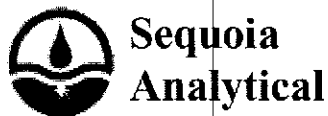
 MNB0407  
**Reported:**  
 03/01/04 18:48

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| MW-1      | MNB0407-01    | Water  | 02/12/04 11:10 | 02/13/04 08:32 |
| MW-2      | MNB0407-02    | Water  | 02/12/04 10:16 | 02/13/04 08:32 |
| MW-3      | MNB0407-03    | Water  | 02/12/04 09:57 | 02/13/04 08:32 |
| MW-4      | MNB0407-04    | Water  | 02/12/04 10:48 | 02/13/04 08:32 |
| RW-1      | MNB0407-05    | Water  | 02/12/04 11:25 | 02/13/04 08:32 |

These samples were received with intact custody seals.





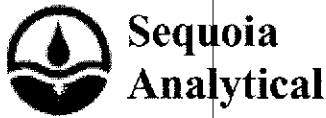
URS Corporation [Arco]  
 1333 Broadway, Suite 800  
 Oakland CA, 94612

Project: BP Heritage #11104, Alameda, CA  
 Project Number: N/P  
 Project Manager: Leonard Niles

MNB0407  
 Reported:  
 03/01/04 18:48

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

| Analyte   | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>MW-1 (MNB0407-01) Water Sampled: 02/12/04 11:10 Received: 02/13/04 08:32</b> |        |                 |       |          |         |          |          |           |       |
| Ethanol   | ND     | 2000            | ug/l  | 20       | 4B26004 | 02/26/04 | 02/26/04 | EPA 8260B |       |
| tert-Butyl alcohol  | 960    | 400             | "     | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether   | 1200   | 10              | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether  | ND     | 10              | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether  | ND     | 10              | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether  | 33     | 10              | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane  | ND     | 10              | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)   | ND     | 10              | "     | "        | "       | "        | "        | "         |       |
| Benzene   | 140    | 10              | "     | "        | "       | "        | "        | "         |       |
| Toluene   | 20     | 10              | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene  | 87     | 10              | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)   | 170    | 10              | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics   | 2600   | 1000            | "     | "        | "       | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |        | 95.0 %          |       | 78-129   | "       | "        | "        | "         |       |
| <b>MW-2 (MNB0407-02) Water Sampled: 02/12/04 10:16 Received: 02/13/04 08:32</b> |        |                 |       |          |         |          |          |           |       |
| Ethanol   | ND     | 100             | ug/l  | 1        | 4B26004 | 02/26/04 | 02/26/04 | EPA 8260B |       |
| tert-Butyl alcohol  | ND     | 20              | "     | "        | "       | "        | "        | "         |       |
| Methyl tert-butyl ether   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Benzene   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Toluene   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Gasoline Range Organics   | ND     | 50              | "     | "        | "       | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |        | 92.8 %          |       | 78-129   | "       | "        | "        | "         |       |



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

Project: BP Heritage #11104, Alameda, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MNB0407  
Reported:  
03/01/04 18:48

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**MW-3 (MNB0407-03) Water** Sampled: 02/12/04 09:57 Received: 02/13/04 08:32

|                         |    |      |      |   |         |          |          |           |  |
|-------------------------|----|------|------|---|---------|----------|----------|-----------|--|
| Ethanol                 | ND | 100  | ug/l | 1 | 4B26004 | 02/26/04 | 02/26/04 | EPA 8260B |  |
| tert-Butyl alcohol      | ND | 20   | "    | " | "       | "        | "        | "         |  |
| Methyl tert-butyl ether | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Di-isopropyl ether      | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Ethyl tert-butyl ether  | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| tert-Amyl methyl ether  | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| 1,2-Dichloroethane      | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Benzene                 | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Toluene                 | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Ethylbenzene            | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Xylenes (total)         | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Gasoline Range Organics | ND | 50   | "    | " | "       | "        | "        | "         |  |

Surrogate: 1,2-Dichloroethane-d4

94.6 % 78-129

**MW-4 (MNB0407-04) Water** Sampled: 02/12/04 10:48 Received: 02/13/04 08:32

|                         |    |      |      |   |         |          |          |           |  |
|-------------------------|----|------|------|---|---------|----------|----------|-----------|--|
| Ethanol                 | ND | 100  | ug/l | 1 | 4B26004 | 02/26/04 | 02/26/04 | EPA 8260B |  |
| tert-Butyl alcohol      | ND | 20   | "    | " | "       | "        | "        | "         |  |
| Methyl tert-butyl ether | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Di-isopropyl ether      | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Ethyl tert-butyl ether  | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| tert-Amyl methyl ether  | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| 1,2-Dichloroethane      | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Benzene                 | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Toluene                 | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Ethylbenzene            | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Xylenes (total)         | ND | 0.50 | "    | " | "       | "        | "        | "         |  |
| Gasoline Range Organics | ND | 50   | "    | " | "       | "        | "        | "         |  |

Surrogate: 1,2-Dichloroethane-d4

93.8 % 78-129

Sequoia Analytical - Morgan Hill

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



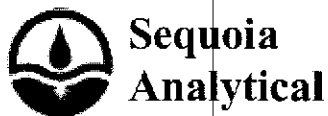
URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612

Project: BP Heritage #11104, Alameda, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MNB0407  
Reported:  
03/01/04 18:48

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

| Analyte   | Result     | Reporting Limit | Units         | Dilution | Batch    | Prepared | Analyzed | Method    | Notes |
|---|------------|-----------------|---------------|----------|----------|----------|----------|-----------|-------|
| <b>RW-1 (MNB0407-05) Water    Sampled: 02/12/04 11:25    Received: 02/13/04 08:32</b> |            |                 |               |          |          |          |          |           |       |
| Ethanol   | ND         | 200             | ug/l          | 2        | 4B26004  | 02/26/04 | 02/26/04 | EPA 8260B |       |
| tert-Butyl alcohol  | 83         | 40              | "             | "        | "        | "        | "        | "         |       |
| Methyl tert-butyl ether   | 51         | 1.0             | "             | "        | "        | "        | "        | "         |       |
| Di-isopropyl ether  | ND         | 1.0             | "             | "        | "        | "        | "        | "         |       |
| Ethyl tert-butyl ether  | ND         | 1.0             | "             | "        | "        | "        | "        | "         |       |
| tert-Amyl methyl ether  | 1.2        | 1.0             | "             | "        | "        | "        | "        | "         |       |
| 1,2-Dichloroethane  | ND         | 1.0             | "             | "        | "        | "        | "        | "         |       |
| 1,2-Dibromoethane (EDB)   | ND         | 1.0             | "             | "        | "        | "        | "        | "         |       |
| Benzene   | 1.6        | 1.0             | "             | "        | "        | "        | "        | "         |       |
| Toluene   | ND         | 1.0             | "             | "        | "        | "        | "        | "         |       |
| Ethylbenzene  | 3.0        | 1.0             | "             | "        | "        | "        | "        | "         |       |
| Xylenes (total)   | 4.1        | 1.0             | "             | "        | "        | "        | "        | "         |       |
| <b>Gasoline Range Organics</b>  | <b>120</b> | <b>100</b>      | "             | "        | "        | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |            | <i>97.4 %</i>   | <i>78-129</i> |          | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i>  |       |



|   |   |  |
|---|---|--|
| URS Corporation [Arco]<br>1333 Broadway, Suite 800<br>Oakland CA, 94612 | Project: BP Heritage #11104, Alameda, CA<br>Project Number: N/P<br>Project Manager: Leonard Niles | MNB0407<br>Reported:<br>03/01/04 18:48 |
|---|---|--|

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

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

**Batch 4B26004 - EPA 5030B P/T**

**Blank (4B26004-BLK1)**

Prepared & Analyzed: 02/26/04

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

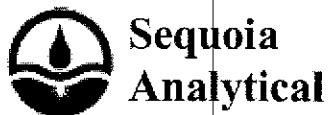
Surrogate: 1,2-Dichloroethane-d4      4.63      "      5.00      92.6      78-129

**Laboratory Control Sample (4B26004-BS1)**

Prepared & Analyzed: 02/26/04

|                         |      |      |      |      |  |      |        |  |  |  |
|-------------------------|------|------|------|------|--|------|--------|--|--|--|
| Ethanol                 | 196  | 100  | ug/l | 200  |  | 98.0 | 31-143 |  |  |  |
| tert-Butyl alcohol      | 50.3 | 20   | "    | 50.0 |  | 101  | 56-131 |  |  |  |
| Methyl tert-butyl ether | 9.83 | 0.50 | "    | 10.0 |  | 98.3 | 63-137 |  |  |  |
| Di-isopropyl ether      | 9.88 | 0.50 | "    | 10.0 |  | 98.8 | 76-130 |  |  |  |
| Ethyl tert-butyl ether  | 10.8 | 0.50 | "    | 10.0 |  | 108  | 81-121 |  |  |  |
| tert-Amyl methyl ether  | 10.6 | 0.50 | "    | 10.0 |  | 106  | 82-140 |  |  |  |
| 1,2-Dichloroethane      | 9.72 | 0.50 | "    | 10.0 |  | 97.2 | 77-136 |  |  |  |
| 1,2-Dibromoethane (EDB) | 10.4 | 0.50 | "    | 10.0 |  | 104  | 77-132 |  |  |  |
| Benzene                 | 9.55 | 0.50 | "    | 10.0 |  | 95.5 | 69-124 |  |  |  |
| Toluene                 | 10.1 | 0.50 | "    | 10.0 |  | 101  | 78-129 |  |  |  |
| Ethylbenzene            | 9.52 | 0.50 | "    | 10.0 |  | 95.2 | 84-132 |  |  |  |
| Xylenes (total)         | 29.5 | 0.50 | "    | 30.0 |  | 98.3 | 83-137 |  |  |  |

Surrogate: 1,2-Dichloroethane-d4      4.57      "      5.00      91.4      78-129



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

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

Project: BP Heritage #11104, Alameda, CA  
 Project Number: N/P  
 Project Manager: Leonard Niles

MNB0407  
 Reported:  
 03/01/04 18:48

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

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

**Batch 4B26004 - EPA 5030B P/T**

**Laboratory Control Sample (4B26004-BS2)**

Prepared & Analyzed: 02/26/04

|                                  |      |      |      |      |  |      |        |  |  |  |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Methyl tert-butyl ether          | 9.62 | 0.50 | ug/l | 10.1 |  | 95.2 | 63-137 |  |  |  |
| Benzene                          | 5.60 | 0.50 | "    | 6.48 |  | 86.4 | 69-124 |  |  |  |
| Toluene                          | 34.8 | 0.50 | "    | 29.7 |  | 117  | 78-129 |  |  |  |
| Ethylbenzene                     | 7.60 | 0.50 | "    | 7.20 |  | 106  | 84-132 |  |  |  |
| Xylenes (total)                  | 38.8 | 0.50 | "    | 33.7 |  | 115  | 83-137 |  |  |  |
| Gasoline Range Organics          | 396  | 50   | "    | 440  |  | 90.0 | 70-124 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 4.67 |      | "    | 5.00 |  | 93.4 | 78-129 |  |  |  |

Sequoia Analytical - Morgan Hill

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



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

Project: BP Heritage #11104, Alameda, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MNB0407  
**Reported:**  
03/01/04 18:48

**Notes and Definitions**

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



### Chain of Custody Record

Project Name INDY GWM 040212-0001  
 BP BU/GEM CO Portfolio Retail

MN30407

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 2-12-04

Requested Due Date (mm/dd/yy) 14 day LAT

|                              |                     |
|------------------------------|---------------------|
| On-site Time: <u>9:15</u>    | Temp: <u>50°</u>    |
| Off-site Time: <u>11:30</u>  | Temp: <u>55°</u>    |
| Sky Conditions: <u>Sunny</u> |                     |
| Meteorological Events:       |                     |
| Wind Speed: <u>5mph</u>      | Direction: <u>E</u> |

|   |   |   |
|---|---|---|
| Send To:  | BP/GEM Facility No.: <u>11104</u>                             | Consultant/Contractor: <u>URS</u>                               |
| Lab Name: <u>SEQUOIA</u>                          | BP/GEM Facility Address: <u>1716 WEBSTER ST., ALAMEDA, CA</u> | Address: <u>1333 Broadway, Suite 800</u>                        |
| Lab Address: <u>885 Jarvis Dr.</u>                | Site ID No. <u>11104</u>                                      | <u>Oakland, CA 94612</u>  |
| <u>P.O. Box 6549</u>                              | Site Lat/Long:  | e-mail BDD: <u>donna.casper@URSCorp.com</u>                     |
|   | California Global ID #: <u>T0600101651</u>                    | Consultant/Contractor Project No.:                              |
| Lab PM <u>Theresa Allen</u>                       | BP/GEM PM Contact: <u>PAUL SUPPLE</u>                         | Consultant Tele/Fax: <u>510-693-3600/510-874-3268</u>           |
| Tele/Fax: <u>408-778-9800 / 408-782-6308</u>      | Address: <u>P.O. Box 6549</u>                                 | Consultant/Contractor PM: <u>Leonard Miles</u>                  |
| Report Type & QC Level: <u>1 Send BDF Reports</u> | <u>Moraga, CA 94570</u>                                       | Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one) |
| BP/GEM Account No.:                               | Tele/Fax: <u>925-299-8891/925-299-8872</u>                    | BP/GEM Work Release No.:  |

| Item No. | Sample Description | Time  | Matrix     |              |           |     | Laboratory No. | No. of containers | Preservatives |                                |                  |     | Requested Analysis            |              |             |             |                                   |                      | Sample Point Lat/Long and Comments |
|----------|--------------------|-------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|-----|-------------------------------|--------------|-------------|-------------|-----------------------------------|----------------------|------------------------------------|
|          |                    |       | Soil/Solid | Water/Liquid | Sediments | Air |                |                   | Unreserved    | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl | TPH-G / BTEX (8015/8021/8260) | TPH-D (8015) | MTBE (8021) | MTBE (8260) | MTBE, TAME, STBE, DPE, TEA (8260) | 1,2-DCA & EDB (8260) |                                    |
| 1        | MW-1               | 11:10 |            | X            |           |     | 01             | W                 |               |                                |                  |     |                               | X            | X           | X           |                                   |                      |                                    |
| 2        | MW-2               | 10:16 |            |              |           |     | 02             | W                 |               |                                |                  |     |                               | X            | X           | X           |                                   |                      |                                    |
| 3        | MW-3               | 9:57  |            |              |           |     | 03             | W                 |               |                                |                  |     |                               | X            | X           | X           |                                   |                      |                                    |
| 4        | MW-4               | 10:48 |            |              |           |     | 04             | W                 |               |                                |                  |     |                               | X            | X           | X           |                                   |                      |                                    |
| 5        | RW-1               | 11:25 |            |              |           |     | 05             | W                 |               |                                |                  |     |                               | X            | X           | X           |                                   |                      |                                    |
| 6        | TR021204           | -     |            |              |           |     |                | 2                 |               |                                |                  |     |                               | X            |             |             |                                   | OK HOLD              |                                    |
| 7        |                    |       |            |              |           |     |                |                   |               |                                |                  |     |                               |              |             |             |                                   |                      |                                    |
| 8        |                    |       |            |              |           |     |                |                   |               |                                |                  |     |                               |              |             |             |                                   |                      |                                    |
| 9        |                    |       |            |              |           |     |                |                   |               |                                |                  |     |                               |              |             |             |                                   |                      |                                    |
| 10       |                    |       |            |              |           |     |                |                   |               |                                |                  |     |                               |              |             |             |                                   |                      |                                    |

|                                    |   |                      |                   |   |                      |                   |
|------------------------------------|---|----------------------|-------------------|---|----------------------|-------------------|
| Sampler's Name: <u>Dave Walter</u> | Relinquished By / Affiliation: <u>[Signature]</u> | Date: <u>2/12/04</u> | Time: <u>7:48</u> | Accepted By / Affiliation: <u>[Signature]</u> | Date: <u>2/13/04</u> | Time: <u>7:48</u> |
| Sampler's Company: <u>BTS</u>      |   |                      |                   |   |                      |                   |
| Shipment Date:                     |   |                      |                   |   |                      |                   |
| Shipment Method:                   |   |                      |                   |   |                      |                   |
| Shipment Tracking No.:             |   |                      |                   |   |                      |                   |

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

Seals in Place Yes  No  Temperature Blank Yes  No  Cooler Temperature on Receipt 2-8 °F Trip Blank Yes  No

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

|                            |                                   |   |
|----------------------------|-----------------------------------|---|
| CLIENT NAME: <u>URS</u>    | DATE REC'D AT LAB: <u>2-13-04</u> | DRINKING WATER for regulatory purposes: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| REC. BY (PRINT): <u>AS</u> | TIME REC'D AT LAB: <u>0832</u>    | WASTE WATER for regulatory purposes: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>    |
| WORKORDER: <u>MMB0407</u>  | DATE LOGGED IN: <u>2-13-04</u>    |   |

| CIRCLE THE APPROPRIATE RESPONSE  | LAB SAMPLE # | DASH # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|--|--------------|--------|-----------|-----------------------|--------------|---------------|--------------|---------------------------|
| 1. Custody Seal(s) <u>on bag</u><br><input checked="" type="radio"/> Present <input type="radio"/> Absent<br><input checked="" type="radio"/> Intact <input type="radio"/> Broken* |              |        | MW-1      | 3-VOCs                | HU           | L             | 2-12-04      | lot HA 33.1607            |
| 2. Chain-of-Custody<br><input checked="" type="radio"/> Present <input type="radio"/> Absent*  |              |        | MW-2      | ↓                     | ↓            | ↓             | ↓            |                           |
| 3. Traffic Reports or Packing List:<br><input checked="" type="radio"/> Present <input type="radio"/> Absent   |              |        | MW-3      | ↓                     | ↓            | ↓             | ↓            |                           |
| 4. Airbill:<br><input type="radio"/> Airbill / Sticker<br><input checked="" type="radio"/> Present <input type="radio"/> Absent  |              |        | MW-4      | ↓                     | ↓            | ↓             | ↓            |                           |
| 5. Airbill #:  |              |        | RW-1      | 2-VOCs                | ↓            | ↓             | ↓            |                           |
| 6. Sample Labels:<br><input checked="" type="radio"/> Present <input type="radio"/> Absent   |              |        | TR021204  |                       |              |               |              |                           |
| 7. Sample IDs:<br><input checked="" type="radio"/> Listed <input type="radio"/> Not Listed<br>on Chain-of-Custody  |              |        |           |                       |              |               |              |                           |
| 8. Sample Condition:<br><input checked="" type="radio"/> Intact <input type="radio"/> Broken* /<br><input type="radio"/> Leaking*  |              |        |           |                       |              |               |              |                           |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree?<br><input checked="" type="radio"/> Yes <input type="radio"/> No*                                |              |        |           |                       |              |               |              |                           |
| 10. Sample received within hold time:<br><input checked="" type="radio"/> Yes <input type="radio"/> No*  |              |        |           |                       |              |               |              |                           |
| 11. Adequate sample volume received?<br><input checked="" type="radio"/> Yes <input type="radio"/> No*   |              |        |           |                       |              |               |              |                           |
| 12. Proper Preservatives used:<br><input checked="" type="radio"/> Yes <input type="radio"/> No*   |              |        |           |                       |              |               |              |                           |
| 13. Temp Rec. at Lab:<br>Is temp 4 +/- 2°C?<br><input checked="" type="radio"/> Yes <input type="radio"/> No**   |              |        |           |                       |              |               |              |                           |

2-13-04 AS

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (if any): METALS / OFF QN ICE or Problem COC

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



**ATTACHMENT D**  
**WELL REPAIR DATA SHEET**

REPAIR DATA SHEET

Client BP/Arco # 11104 Date 1/6/04  
Site Address 1716 Webster St., Alameda  
Job Number 040106-MG2 Technician M/S

Repair Location RW-1  
Deficiencies Corrected Missing one bolt, other bolt bad. Tapped threads + added 2 new bolts. Bad cap. Added new 6" cap.  
Materials Used 6" cap, 2 bolts

Repair Location MW-1  
Deficiencies Corrected No lock. Added new lock.  
Materials Used lock.

Repair Location MW-3  
Deficiencies Corrected Cap + lock rusted stuck. Added new 2" cap + lock.  
Materials Used 2" cap, lock

Repair Location MW-4  
Deficiencies Corrected No bolts. 1 of 3 tabs broken. One tab has bolt broken off. Drilled out broken off bolt. Helicoiled 2 tabs + added 2 bolts.  
Materials Used 2 helicoils, 2 bolts

Repair Location MW-5  
Deficiencies Corrected Bad lock. All 3 tabs have broken off bolts. Drilled out all 3 broken bolts, helicoiled + added 3 new bolts. No gasket - added new gasket.  
Materials Used 3 helicoils, 3 bolts, lock gasket.

Repair Location \_\_\_\_\_  
Deficiencies Corrected \_\_\_\_\_  
Materials Used \_\_\_\_\_

**ATTACHMENT E**

**JOINT MONITORING DATA  
CHEVRON SERVICE STATION #9-0290**

**Well information for Chevron Site #9-0290**

| <b>Well ID</b> | <b>TOC<br/>(Feet)</b> | <b>DTW<br/>(Feet)</b> | <b>GWE<br/>(Feet)</b> |
|----------------|-----------------------|-----------------------|-----------------------|
| A-1            | 11.56                 | 4.31                  | 7.25                  |
| B-1            | 12.12                 | 5.17                  | 6.95                  |
| B-5            | 10.18                 | 4.19                  | 5.99                  |
| B-6            | 11.97                 | 4.79                  | 7.18                  |
| B-7            | 10.54                 | 4.15                  | 6.39                  |
| B-10           | 11.42                 | 5.1                   | 6.32                  |
| B-11           | 11.98                 | 4.7                   | 7.28                  |
| B-12           | 11.16                 | 4.72                  | 6.44                  |
| B-13           | 11.17                 | 4.59                  | 6.58                  |
| B-14           | 9.54                  | 3.98                  | 5.56                  |
| B-15           | 9.43                  | 3.59                  | 5.84                  |

**Notes**

DTW = Depth to water  
GWE = Groundwater Elevation  
TOC = Top of casing



# GETTLER-RYAN INC.

## GROUNDWATER MONITORING SUMMARY SHEET

CLIENT/  
 FACILITY: ChevronTexaco #9-0290  
 ADDRESS: 1802 Webster Street  
 CITY: Alameda, CA

JOB #: 385280  
 DATE: 2-12-04 (inclusive)  
 SAMPLER: 50 c

| Well ID | Total Well Depth | Depth to Water | Product Thickness (ft) | List Item IN Well | Additional Comments |  |  |
|---------|------------------|----------------|------------------------|-------------------|---------------------|--|--|
| A-1     | 11.12            | 4.31           | Ø                      | Ø                 | 13                  |  |  |
| B-1     | 16.08            | 5.17           |                        |                   | 5.5'                |  |  |
| B-5     | 18.17            | 4.19           |                        |                   | 7.5'                |  |  |
| B-6     | 18.26            | 4.79           |                        |                   | 6.5'                |  |  |
| B-7     | 13.25            | 4.15           |                        |                   | 5                   |  |  |
| B-10    | 16.25            | 5.10           |                        |                   | 6                   |  |  |
| B-11    | 14.99            | 4.70           |                        |                   | 5.5'                |  |  |
| B-12    | 15.01            | 4.72           |                        |                   | 5.5'                |  |  |
| B-13    | 13.87            | 4.59           |                        |                   | 5                   |  |  |
| B-14    | 16.02            | 3.98           |                        |                   | 6                   |  |  |
| B-15    | 14.18            | 3.59           |                        |                   | 5.5'                |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |
|         |                  |                |                        |                   |                     |  |  |

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425SAMPLE GROUP

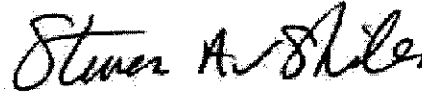
The sample group for this submittal is 884808. Samples arrived at the laboratory on Saturday, February 14, 2004. The PO# for this group is 99011184 and the release number is STREICH.

| <u>Client Description</u> |            | <u>Lancaster Labs Number</u> |
|---------------------------|------------|------------------------------|
| QA-T-040212               | NA Water   | 4216668                      |
| A-1-W-040212              | Grab Water | 4216669                      |
| B-1-W-040212              | Grab Water | 4216670                      |
| B-5-W-040212              | Grab Water | 4216671                      |
| B-6-W-040212              | Grab Water | 4216672                      |
| B-7-W-040212              | Grab Water | 4216673                      |
| B-10-W-040212             | Grab Water | 4216674                      |
| B-11-W-040212             | Grab Water | 4216675                      |
| B-12-W-040212             | Grab Water | 4216676                      |
| B-13-W-040212             | Grab Water | 4216677                      |
| B-14-W-040212             | Grab Water | 4216678                      |
| B-15-W-040212             | Grab Water | 4216679                      |

1 COPY TO  
ELECTRONIC  
COPY TOCambria C/O Gettler- Ryan  
Gettler-RyanAttn: Deanna L. Harding  
Attn: Cheryl Hansen

Questions? Contact your Client Services Representative  
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,



Steven Skiles  
Senior Chemist



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 4216668

QA-T-040212 NA Water  
Facility# 90290 Job# 385280 GRD  
1802 Webster St-Alameda T0600100307 QA  
Collected: 02/12/2004 00:00

Account Number: 10904

Submitted: 02/14/2004 09:30  
Reported: 02/26/2004 at 17:25  
Discard: 03/28/2004

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

### WSAQA

| CAT No. | Analysis Name   | CAS Number | As Received Result | As Received Method<br>Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|---------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters<br>The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | n.a.       | N.D.               | 50.                                   | ug/l  | 1               |
| 06054   | BTEX+MTBE by 8260B  |            |                    |                                       |       |                 |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | N.D.               | 0.5                                   | ug/l  | 1               |
| 05401   | Benzene   | 71-43-2    | N.D.               | 0.5                                   | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.               | 0.5                                   | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.               | 0.5                                   | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.               | 0.5                                   | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name        | Method                     | Trial# | Analysis Date and Time | Analyst          | Dilution Factor |
|---------|----------------------|----------------------------|--------|------------------------|------------------|-----------------|
| 01728   | TPH-GRO - Waters     | N. CA LUFT Gasoline Method | 1      | 02/17/2004 12:08       | Michael F Barrow | 1               |
| 06054   | BTEX+MTBE by 8260B   | SW-846 8260B               | 1      | 02/20/2004 10:11       | Marc S Neal      | 1               |
| 01146   | GC VOA Water Prep    | SW-846 5030B               | 1      | 02/17/2004 12:08       | Michael F Barrow | n.a.            |
| 01163   | GC/MS VOA Water Prep | SW-846 5030B               | 1      | 02/20/2004 10:11       | Marc S Neal      | n.a.            |



**Lancaster Laboratories Sample No. WW 4216669**
**A-1-W-040212 Grab Water**  
**Facility# 90290 Job# 385280 GRD**  
**1802 Webster St-Alameda T0600100307 A-1**  
**Collected: 02/12/2004 14:20 by JA**

Account Number: 10904

**Submitted: 02/14/2004 09:30**  
**Reported: 02/26/2004 at 17:25**  
**Discard: 03/28/2004**
**ChevronTexaco**  
**6001 Bollinger Canyon Rd L4310**  
**San Ramon CA 94583**

WSAA1

| CAT No. | Analysis Name   | CAS Number | As Received        |                                    | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
|         |   |            | As Received Result | As Received Method Detection Limit |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | 120.               | 50.                                | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |                    |                                    |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 14,000.            | 250.                               | ug/l  | 10              |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |                    |                                    |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |                    |                                    |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.               | 50.                                | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 84.                | 0.5                                | ug/l  | 1               |
| 05401   | Benzene   | 71-43-2    | N.D.               | 0.5                                | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.               | 0.5                                | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.               | 0.5                                | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | 3.                 | 0.5                                | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Analysis |                  |                    | Dilution Factor |
|---------|--------------------------------|----------------------------|----------|------------------|--------------------|-----------------|
|         |                                |                            | Trial#   | Date and Time    | Analyst            |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1        | 02/17/2004 12:41 | Michael F Barrow   | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1        | 02/21/2004 01:20 | Tracy A Cole       | 10              |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1        | 02/20/2004 09:58 | Marc S Neal        | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1        | 02/17/2004 12:41 | Michael F Barrow   | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1        | 02/20/2004 09:58 | Marc S Neal        | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1        | 02/18/2004 07:00 | Danette S Blystone | 1               |

**Lancaster Laboratories Sample No. WW 4216670**
**B-1-W-040212 Grab Water**  
**Facility# 90290 Job# 385280 GRD**  
**1802 Webster St-Alameda T0600100307 B-1**  
**Collected: 02/12/2004 12:00 by JA**
**Account Number: 10904**
**Submitted: 02/14/2004 09:30**  
**Reported: 02/26/2004 at 17:25**  
**Discard: 03/28/2004**
**ChevronTexaco**  
**6001 Bollinger Canyon Rd L4310**  
**San Ramon CA 94583**

WSA01

| CAT No. | Analysis Name   | CAS Number | As Received | As Received | Units | Dilution Factor |
|---------|---|------------|-------------|-------------|-------|-----------------|
|         |   |            | Result      | Method      |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | N.D.        | 50.         | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |             |             |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 1,200.      | 50.         | ug/l  | 1               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |             |             |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |             |             |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.        | 50.         | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 53.         | 0.5         | ug/l  | 1               |
| 05401   | Benzene   | 71-43-2    | N.D.        | 0.5         | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.        | 0.5         | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.        | 0.5         | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.        | 0.5         | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis         |  | Analyst            | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------|--|--------------------|-----------------|
|         |                                |                            |        | Date and Time    |  |                    |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1      | 02/17/2004 13:14 |  | Michael F Barrow   | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 02/20/2004 22:41 |  | Tracy A Cole       | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 10:25 |  | Marc S Neal        | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 02/17/2004 13:14 |  | Michael F Barrow   | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 02/20/2004 10:25 |  | Marc S Neal        | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 02/18/2004 07:00 |  | Danette S Blystone | 1               |

Lancaster Laboratories Sample No. WW 4216671

 B-5-W-040212 Grab Water  
 Facility# 90290 Job# 385280 GRD  
 1802 Webster St-Alameda T0600100307 B-5  
 Collected: 02/12/2004 15:05 by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA05

| CAT No.   | Analysis Name                  | CAS Number | As Received Result | As Received Method<br>Detection Limit | Units | Dilution Factor |
|---|--------------------------------|------------|--------------------|---------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters               | n.a.       | 120.               | 50.                                   | ug/l  | 1               |
| The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |                                |            |                    |                                       |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)     | n.a.       | 4,900.             | 240.                                  | ug/l  | 10              |
| According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |                                |            |                    |                                       |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH |            |                    |                                       |       |                 |
| 01587   | Ethanol                        | 64-17-5    | N.D.               | 500.                                  | ug/l  | 10              |
| 02010   | Methyl Tertiary Butyl Ether    | 1634-04-4  | 5,200.             | 50.                                   | ug/l  | 100             |
| 05401   | Benzene                        | 71-43-2    | N.D.               | 5.                                    | ug/l  | 10              |
| 05407   | Toluene                        | 108-88-3   | N.D.               | 5.                                    | ug/l  | 10              |
| 05415   | Ethylbenzene                   | 100-41-4   | N.D.               | 5.                                    | ug/l  | 10              |
| 06310   | Xylene (Total)                 | 1330-20-7  | N.D.               | 5.                                    | ug/l  | 10              |
| Due to the level of methyl t-butyl ether, the reporting limits for all GC/MS volatile compounds were raised.  |                                |            |                    |                                       |       |                 |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis Date and Time | Analyst            | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------------|--------------------|-----------------|
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline        | 1      | 02/17/2004 13:47       | Michael F Barrow   | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 02/21/2004 01:42       | Tracy A Cole       | 10              |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 10:51       | Marc S Neal        | 10              |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 11:18       | Marc S Neal        | 100             |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 02/17/2004 13:47       | Michael F Barrow   | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 02/20/2004 10:51       | Marc S Neal        | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 02/18/2004 07:00       | Danette S Blystone | 1               |

Lancaster Laboratories Sample No. WW 4216672

 B-6-W-040212 Grab Water  
 Facility# 90290 Job# 385280 GRD  
 1802 Webster St-Alameda T0600100307 B-6  
 Collected: 02/12/2004 10:30 by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA06

| CAT No.   | Analysis Name                  | CAS Number | As Received Result | As Received Method<br>Detection Limit | Units | Dilution Factor |
|---|--------------------------------|------------|--------------------|---------------------------------------|-------|-----------------|
| 05553   | TPH - DRO CA LUFT (Waters)     | n.a.       | 400.               | 50.                                   | ug/l  | 1               |
| According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |                                |            |                    |                                       |       |                 |
| 02159   | BTEX, MTBE                     |            |                    |                                       |       |                 |
| 02172   | Methyl tert-Butyl Ether        | 1634-04-4  | 31,000.            | 250.                                  | ug/l  | 100             |
| Due to dilution of the sample made necessary by the high level of MTBE, normal reporting limits were not attained.<br><br>Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.   |                                |            |                    |                                       |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH |            |                    |                                       |       |                 |
| 01587   | Ethanol                        | 64-17-5    | N.D.               | 2,000.                                | ug/l  | 40              |
| The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.   |                                |            |                    |                                       |       |                 |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis Date and Time | Analyst             | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------------|---------------------|-----------------|
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 02/20/2004 23:49       | Tracy A Cole        | 1               |
| 02159   | BTEX, MTBE                     | SW-846 8021B               | 1      | 02/17/2004 06:26       | Michael F Barrow    | 100             |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 14:06       | Carrie J McCullough | 40              |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 02/17/2004 11:17       | Todd T Smythe       | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 02/20/2004 14:06       | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 02/18/2004 07:00       | Danette S Blystone  | 1               |



**Lancaster Laboratories Sample No. WW 4216674**
**B-10-W-040212**                      **Grab**                      **Water**  
**Facility# 90290**                      **Job# 385280**                      **GRD**  
**1802 Webster St-Alameda**                      **T0600100307**                      **B-10**  
 Collected: 02/12/2004 09:15                      by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA10

| CAT No. | Analysis Name   | CAS Number | As Received Result | As Received |                 | Units | Dilution Factor |
|---------|---|------------|--------------------|-------------|-----------------|-------|-----------------|
|         |   |            |                    | Method      | Detection Limit |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | N.D.               | 50.         | 50.             | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |                    |             |                 |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 810.               | 50.         | 50.             | ug/l  | 1               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |                    |             |                 |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |                    |             |                 |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.               | 50.         | 50.             | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 30.                | 0.5         | 0.5             | ug/l  | 1               |
| 05401   | Benzene   | 71-43-2    | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.               | 0.5         | 0.5             | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis   |       | Analyst             | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------|-------|---------------------|-----------------|
|         |                                |                            |        | Date       | Time  |                     |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline        | 1      | 02/17/2004 | 14:52 | Michael F Barrow    | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 02/21/2004 | 00:12 | Tracy A Cole        | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 | 14:54 | Carrie J McCullough | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 02/17/2004 | 14:52 | Michael F Barrow    | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 02/20/2004 | 14:54 | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 02/18/2004 | 07:00 | Danette S Blystone  | 1               |

Lancaster Laboratories Sample No. WW 4216675

 B-11-W-040212 Grab Water  
 Facility# 90290 Job# 385280 GRD  
 1802 Webster St-Alameda T0600100307 B-11  
 Collected: 02/12/2004 15:42 by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA11

| CAT No. | Analysis Name   | CAS Number | As Received | As Received | Units | Dilution Factor |
|---------|---|------------|-------------|-------------|-------|-----------------|
|         |   |            | Result      | Method      |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | 310.        | 250.        | ug/l  | 5               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |             |             |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 4,400.      | 120.        | ug/l  | 5               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |             |             |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |             |             |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.        | 2,500.      | ug/l  | 50              |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 29,000.     | 250.        | ug/l  | 500             |
| 05401   | Benzene   | 71-43-2    | N.D.        | 25.         | ug/l  | 50              |
| 05407   | Toluene   | 108-88-3   | N.D.        | 25.         | ug/l  | 50              |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.        | 25.         | ug/l  | 50              |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.        | 25.         | ug/l  | 50              |
|         | Due to the level of methyl t-butyl ether, the reporting limits for all GC/MS volatile compounds were raised.  |            |             |             |       |                 |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Analysis |                  | Analyst             | Dilution Factor |
|---------|--------------------------------|----------------------------|----------|------------------|---------------------|-----------------|
|         |                                |                            | Trial#   | Date and Time    |                     |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1        | 02/17/2004 22:32 | Michael F Barrow    | 5               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1        | 02/21/2004 02:05 | Tracy A Cole        | 5               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1        | 02/20/2004 15:19 | Carrie J McCullough | 50              |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1        | 02/20/2004 15:43 | Carrie J McCullough | 500             |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1        | 02/17/2004 22:32 | Michael F Barrow    | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1        | 02/20/2004 15:19 | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1        | 02/18/2004 07:00 | Danette S Blystone  | 1               |

**Lancaster Laboratories Sample No. WW 4216676**
**B-12-W-040212 Grab Water**  
**Facility# 90290 Job# 385280 GRD**  
**1802 Webster St-Alameda T0600100307 B-12**  
 Collected: 02/12/2004 13:30 by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA12

| CAT No. | Analysis Name   | CAS Number | As Received Result | As Received |                 | Units | Dilution Factor |
|---------|---|------------|--------------------|-------------|-----------------|-------|-----------------|
|         |   |            |                    | Method      | Detection Limit |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | 94.                | 50.         | 50.             | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |                    |             |                 |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 210.               | 50.         | 50.             | ug/l  | 1               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |                    |             |                 |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |                    |             |                 |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.               | 50.         | 50.             | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 8.                 | 0.5         | 0.5             | ug/l  | 1               |
| 05401   | Benzene   | 71-43-2    | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.               | 0.5         | 0.5             | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                     | Method                                  | Trial# | Analysis      |       | Analyst             | Dilution Factor |
|---------|-----------------------------------|---|--------|---------------|-------|---------------------|-----------------|
|         |                                   |   |        | Date and Time |       |                     |                 |
| 01728   | TPH-GRO - Waters                  | N. CA LUFT Gasoline                     | 1      | 02/17/2004    | 15:25 | Michael F Barrow    | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)        | Method<br>CALUFT-DRO/8015B,<br>Modified | 1      | 02/21/2004    | 00:34 | Tracy A Cole        | 1               |
| 01594   | BTEX+5<br>Oxygenates+EDC+EDB+ETOH | SW-846 8260B                            | 1      | 02/20/2004    | 16:07 | Carrie J McCullough | 1               |
| 01146   | GC VOA Water Prep                 | SW-846 5030B                            | 1      | 02/17/2004    | 15:25 | Michael F Barrow    | n.a.            |
| 01163   | GC/MS VOA Water Prep              | SW-846 5030B                            | 1      | 02/20/2004    | 16:07 | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water<br>Special | TPH by CA LUFT                          | 1      | 02/18/2004    | 07:00 | Danette S Blystone  | 1               |



Lancaster Laboratories Sample No. WW 4216677

 B-13-W-040212 Grab Water  
 Facility# 90290 Job# 385280 GRD  
 1802 Webster St-Alameda T0600100307 B-13  
 Collected: 02/12/2004 12:45 by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA13

| CAT No. | Analysis Name   | CAS Number | As Received Result | As Received Method<br>Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|---------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters  | n.a.       | N.D.               | 50.                                   | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |                    |                                       |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 180.               | 50.                                   | ug/l  | 1               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |                    |                                       |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |                    |                                       |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.               | 50.                                   | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 10.                | 0.5                                   | ug/l  | 1               |
| 05401   | Benzene   | 71-43-2    | N.D.               | 0.5                                   | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.               | 0.5                                   | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.               | 0.5                                   | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.               | 0.5                                   | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis Date and Time | Analyst             | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------------|---------------------|-----------------|
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1      | 02/17/2004 15:58       | Michael F Barrow    | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 02/20/2004 21:56       | Tracy A Cole        | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 16:31       | Carrie J McCullough | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 02/17/2004 15:58       | Michael F Barrow    | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 02/20/2004 16:31       | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 02/18/2004 07:00       | Danette S Blystone  | 1               |

**Lancaster Laboratories Sample No. WW 4216678**
**B-14-W-040212                      Grab                      Water**  
**Facility# 90290      Job# 385280    GRD**  
**1802 Webster St-Alameda      T0600100307      B-14**  
 Collected: 02/12/2004 11:15                      by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA14

| CAT No. | Analysis Name   | CAS Number | As Received        |                                    | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
|         |   |            | As Received Result | As Received Method Detection Limit |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | 59.                | 50.                                | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |                    |                                    |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 2,000.             | 50.                                | ug/l  | 1               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |            |                    |                                    |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |                    |                                    |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.               | 50.                                | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 1,000.             | 5.                                 | ug/l  | 10              |
| 05401   | Benzene   | 71-43-2    | N.D.               | 0.5                                | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | N.D.               | 0.5                                | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | N.D.               | 0.5                                | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | N.D.               | 0.5                                | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Analysis |                  |                     | Dilution Factor |
|---------|--------------------------------|----------------------------|----------|------------------|---------------------|-----------------|
|         |                                |                            | Trial#   | Date and Time    | Analyst             |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1        | 02/17/2004 16:31 | Michael F Barrow    | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1        | 02/21/2004 00:57 | Tracy A Cole        | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1        | 02/20/2004 16:56 | Carrie J McCullough | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1        | 02/20/2004 17:20 | Carrie J McCullough | 10              |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1        | 02/17/2004 16:31 | Michael F Barrow    | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1        | 02/20/2004 16:56 | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1        | 02/18/2004 07:00 | Danette S Blystone  | 1               |

Lancaster Laboratories Sample No. WW 4216679

 B-15-W-040212 Grab Water  
 Facility# 90290 Job# 385280 GRD  
 1802 Webster St-Alameda T0600100307 B-15  
 Collected: 02/12/2004 08:30 by JA

Account Number: 10904

 Submitted: 02/14/2004 09:30  
 Reported: 02/26/2004 at 17:25  
 Discard: 03/28/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

WSA15

| CAT No.   | Analysis Name                  | CAS Number | As Received Result | As Received Method<br>Detection Limit | Units | Dilution Factor |
|---|--------------------------------|------------|--------------------|---------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters               | n.a.       | N.D.               | 50.                                   | ug/l  | 1               |
| The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |                                |            |                    |                                       |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)     | n.a.       | N.D.               | 50.                                   | ug/l  | 1               |
| According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |                                |            |                    |                                       |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH |            |                    |                                       |       |                 |
| 01587   | Ethanol                        | 64-17-5    | N.D.               | 50.                                   | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether    | 1634-04-4  | N.D.               | 0.5                                   | ug/l  | 1               |
| 05401   | Benzene                        | 71-43-2    | N.D.               | 0.5                                   | ug/l  | 1               |
| 05407   | Toluene                        | 108-88-3   | N.D.               | 0.5                                   | ug/l  | 1               |
| 05415   | Ethylbenzene                   | 100-41-4   | N.D.               | 0.5                                   | ug/l  | 1               |
| 06310   | Xylene (Total)                 | 1330-20-7  | N.D.               | 0.5                                   | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis Date and Time | Analyst             | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------------|---------------------|-----------------|
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1      | 02/17/2004 17:04       | Michael F Barrow    | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 02/20/2004 22:19       | Tracy A Cole        | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 02/20/2004 17:44       | Carrie J McCullough | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 02/17/2004 17:04       | Michael F Barrow    | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 02/20/2004 17:44       | Carrie J McCullough | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 02/18/2004 07:00       | Danette S Blystone  | 1               |

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 02/26/04 at 05:25 PM

Group Number: 884808

### Laboratory Compliance Quality Control

| <u>Analysis Name</u>                                   | <u>Blank Result</u> | <u>Blank MDL</u> | <u>Report Units</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>LCS/LCSD Limits</u> | <u>RPD</u> | <u>RPD Max</u> |
|--|---------------------|------------------|---------------------|-----------------|------------------|------------------------|------------|----------------|
| Batch number: 04047A15C<br>Methyl tert-Butyl Ether     | N.D.                | 2.5              | ug/l                | 85              | 104              | 75-125                 | 20         | 30             |
| Batch number: 040480007A<br>TPH - DRO CA LUFT (Waters) | N.D.                | 50.              | ug/l                | 84              | 81               | 61-126                 | 3          | 20             |
| Batch number: 04048A07B<br>TPH-GRO - Waters            | N.D.                | 50.              | ug/l                | 95              |                  | 70-130                 |            |                |
| Batch number: 04048A07C<br>TPH-GRO - Waters            | N.D.                | 50.              | ug/l                | 95              |                  | 70-130                 |            |                |
| Batch number: P040503AA<br>Ethanol                     | N.D.                | 50.              | ug/l                | 102             |                  | 46-145                 |            |                |
| Methyl Tertiary Butyl Ether                            | N.D.                | 0.5              | ug/l                | 87              |                  | 77-127                 |            |                |
| Benzene  | N.D.                | 0.5              | ug/l                | 94              |                  | 85-117                 |            |                |
| Toluene  | N.D.                | 0.5              | ug/l                | 93              |                  | 85-115                 |            |                |
| Ethylbenzene   | N.D.                | 0.5              | ug/l                | 90              |                  | 82-119                 |            |                |
| Xylene (Total)   | N.D.                | 0.5              | ug/l                | 92              |                  | 84-120                 |            |                |
| Batch number: P040504AA<br>Methyl Tertiary Butyl Ether | N.D.                | 0.5              | ug/l                | 81              |                  | 77-127                 |            |                |
| Benzene  | N.D.                | 0.5              | ug/l                | 90              |                  | 85-117                 |            |                |
| Toluene  | N.D.                | 0.5              | ug/l                | 88              |                  | 85-115                 |            |                |
| Ethylbenzene   | N.D.                | 0.5              | ug/l                | 85              |                  | 82-119                 |            |                |
| Xylene (Total)   | N.D.                | 0.5              | ug/l                | 86              |                  | 84-120                 |            |                |
| Batch number: P040511AA<br>Ethanol                     | N.D.                | 50.              | ug/l                | 95              |                  | 46-145                 |            |                |
| Methyl Tertiary Butyl Ether                            | N.D.                | 0.5              | ug/l                | 86              |                  | 77-127                 |            |                |
| Benzene  | N.D.                | 0.5              | ug/l                | 94              |                  | 85-117                 |            |                |
| Toluene  | N.D.                | 0.5              | ug/l                | 92              |                  | 85-115                 |            |                |
| Ethylbenzene   | N.D.                | 0.5              | ug/l                | 91              |                  | 82-119                 |            |                |
| Xylene (Total)   | N.D.                | 0.5              | ug/l                | 91              |                  | 84-120                 |            |                |

### Sample Matrix Quality Control

| <u>Analysis Name</u>                               | <u>MS %REC</u> | <u>MSD %REC</u> | <u>MS/MSD Limits</u> | <u>RPD</u> | <u>MAX</u> | <u>BKG Conc</u> | <u>DUP Conc</u> | <u>DUP RPD</u> | <u>Dup RPD Max</u> |
|--|----------------|-----------------|----------------------|------------|------------|-----------------|-----------------|----------------|--------------------|
| Batch number: 04047A15C<br>Methyl tert-Butyl Ether | 94             |                 | 59-148               |            |            |                 |                 |                |                    |
| Batch number: 04048A07B<br>TPH-GRO - Waters        | 100            | 98              | 63-154               | 2          | 30         |                 |                 |                |                    |
| Batch number: 04048A07C<br>TPH-GRO - Waters        | 100            | 98              | 63-154               | 2          | 30         |                 |                 |                |                    |
| Batch number: P040503AA<br>Ethanol                 | 96             | 103             | 41-155               | 7          | 30         |                 |                 |                |                    |
| Methyl Tertiary Butyl Ether                        | 89             | 89              | 69-134               | 0          | 30         |                 |                 |                |                    |
| Benzene  | 102            | 102             | 83-128               | 0          | 30         |                 |                 |                |                    |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 02/26/04 at 05:25 PM

Group Number: 884808

### Sample Matrix Quality Control

| <u>Analysis Name</u>        | <u>MS</u>   | <u>MSD</u>                        | <u>MS/MSD</u> | <u>RPD</u> | <u>BKG</u> | <u>DUP</u>  | <u>DUP</u>  | <u>Dup<br/>RPD<br/>Max</u> |
|-----------------------------|-------------|-----------------------------------|---------------|------------|------------|-------------|-------------|----------------------------|
|                             | <u>%REC</u> | <u>%REC</u>                       | <u>Limits</u> | <u>RPD</u> | <u>MAX</u> | <u>Conc</u> | <u>Conc</u> | <u>RPD</u>                 |
| Toluene                     | 102         | 100                               | 83-127        | 1          | 30         |             |             |                            |
| Ethylbenzene                | 98          | 98                                | 82-129        | 0          | 30         |             |             |                            |
| Xylene (Total)              | 99          | 98                                | 82-130        | 1          | 30         |             |             |                            |
| Batch number: P040504AA     |             | Sample number(s): 4216668         |               |            |            |             |             |                            |
| Methyl Tertiary Butyl Ether | 81          | 81                                | 69-134        | 0          | 30         |             |             |                            |
| Benzene                     | 92          | 93                                | 83-128        | 1          | 30         |             |             |                            |
| Toluene                     | 89          | 89                                | 83-127        | 0          | 30         |             |             |                            |
| Ethylbenzene                | 87          | 87                                | 82-129        | 1          | 30         |             |             |                            |
| Xylene (Total)              | 87          | 88                                | 82-130        | 1          | 30         |             |             |                            |
| Batch number: P040511AA     |             | Sample number(s): 4216672-4216679 |               |            |            |             |             |                            |
| Ethanol                     | 106         | 110                               | 41-155        | 4          | 30         |             |             |                            |
| Methyl Tertiary Butyl Ether | 88          | 91                                | 69-134        | 3          | 30         |             |             |                            |
| Benzene                     | 99          | 101                               | 83-128        | 2          | 30         |             |             |                            |
| Toluene                     | 99          | 100                               | 83-127        | 1          | 30         |             |             |                            |
| Ethylbenzene                | 97          | 97                                | 82-129        | 0          | 30         |             |             |                            |
| Xylene (Total)              | 97          | 97                                | 82-130        | 1          | 30         |             |             |                            |

### Surrogate Quality Control

 Analysis Name: TPH - DRO CA LUFT (Waters)  
 Batch number: 040480007A  
 Orthoterphenyl

|         |     |
|---------|-----|
| 4216669 | 92  |
| 4216670 | 90  |
| 4216671 | 83  |
| 4216672 | 90  |
| 4216674 | 92  |
| 4216675 | 88  |
| 4216676 | 88  |
| 4216677 | 85  |
| 4216678 | 91  |
| 4216679 | 85  |
| Blank   | 86  |
| LCS     | 103 |
| LCSD    | 100 |

Limits: 59-139

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04048A07B  
 Trifluorotoluene-F

|         |    |
|---------|----|
| 4216668 | 80 |
| 4216669 | 82 |
| 4216670 | 79 |
| 4216671 | 85 |
| 4216673 | 78 |
| 4216674 | 79 |
| 4216676 | 84 |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 02/26/04 at 05:25 PM

Group Number: 884808

### Surrogate Quality Control

|         |     |
|---------|-----|
| 4216677 | 80  |
| 4216678 | 77  |
| 4216679 | 78  |
| Blank   | 80  |
| LCS     | 100 |
| MS      | 108 |
| MSD     | 107 |

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04048A07C  
 Trifluorotoluene-F

|         |     |
|---------|-----|
| 4216675 | 83  |
| Blank   | 79  |
| LCS     | 100 |
| MS      | 108 |
| MSD     | 107 |

Limits: 57-146

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH  
 Batch number: P040503AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4216669 | 91                   | 84                    | 93         | 90                   |
| 4216670 | 90                   | 84                    | 94         | 88                   |
| 4216671 | 90                   | 84                    | 95         | 88                   |
| Blank   | 90                   | 85                    | 95         | 89                   |
| LCS     | 93                   | 85                    | 95         | 90                   |
| MS      | 91                   | 84                    | 95         | 88                   |
| MSD     | 92                   | 84                    | 94         | 89                   |

Limits: 81-120      82-112      85-112      83-113

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: P040504AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4216668 | 98                   | 94                    | 102        | 99                   |
| Blank   | 99                   | 93                    | 102        | 99                   |
| LCS     | 100                  | 94                    | 103        | 99                   |
| MS      | 100                  | 93                    | 103        | 100                  |
| MSD     | 99                   | 94                    | 102        | 99                   |

Limits: 81-120      82-112      85-112      83-113

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH  
 Batch number: P040511AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4216672 | 89                   | 84                    | 95         | 89                   |
| 4216673 | 90                   | 84                    | 94         | 89                   |
| 4216674 | 90                   | 83                    | 94         | 88                   |
| 4216675 | 90                   | 84                    | 94         | 88                   |
| 4216676 | 90                   | 86                    | 94         | 90                   |
| 4216677 | 90                   | 84                    | 95         | 89                   |
| 4216678 | 91                   | 83                    | 95         | 88                   |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 02/26/04 at 05:25 PM

Group Number: 884808

### Surrogate Quality Control

|         |        |        |        |        |
|---------|--------|--------|--------|--------|
| 4216679 | 91     | 84     | 94     | 87     |
| Blank   | 91     | 85     | 94     | 89     |
| LCS     | 92     | 83     | 94     | 88     |
| MS      | 90     | 84     | 94     | 89     |
| MSD     | 91     | 85     | 93     | 89     |
| Limits: | 81-120 | 82-112 | 85-112 | 83-113 |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

|                         |  |                 |                                  |
|-------------------------|--|-----------------|----------------------------------|
| <b>N.D.</b>             | none detected  | <b>BMQL</b>     | Below Minimum Quantitation Level |
| <b>TNTC</b>             | Too Numerous To Count  | <b>MPN</b>      | Most Probable Number             |
| <b>IU</b>               | International Units  | <b>CP Units</b> | cobalt-chloroplatinate units     |
| <b>umhos/cm</b>         | micromhos/cm   | <b>NTU</b>      | nephelometric turbidity units    |
| <b>C</b>                | degrees Celsius  | <b>F</b>        | degrees Fahrenheit               |
| <b>meq</b>              | milliequivalents   | <b>lb.</b>      | pound(s)                         |
| <b>g</b>                | gram(s)  | <b>kg</b>       | kilogram(s)                      |
| <b>ug</b>               | microgram(s)   | <b>mg</b>       | milligram(s)                     |
| <b>ml</b>               | milliliter(s)  | <b>l</b>        | liter(s)                         |
| <b>m3</b>               | cubic meter(s)   | <b>ul</b>       | microliter(s)                    |
| <b>&lt;</b>             | less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.  |                 |                                  |
| <b>&gt;</b>             | greater than   |                 |                                  |
| <b>J</b>                | estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).  |                 |                                  |
| <b>ppm</b>              | parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas. |                 |                                  |
| <b>ppb</b>              | parts per billion  |                 |                                  |
| <b>Dry weight basis</b> | Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.   |                 |                                  |

## U.S. EPA CLP Data Qualifiers:

| Organic Qualifiers |  | Inorganic Qualifiers |   |
|--------------------|--|----------------------|---|
| <b>A</b>           | TIC is a possible aldol-condensation product                           | <b>B</b>             | Value is <CRDL, but ≥IDL                                |
| <b>B</b>           | Analyte was also detected in the blank                                 | <b>E</b>             | Estimated due to interference                           |
| <b>C</b>           | Pesticide result confirmed by GC/MS                                    | <b>M</b>             | Duplicate injection precision not met                   |
| <b>D</b>           | Compound quantitated on a diluted sample                               | <b>N</b>             | Spike sample not within control limits                  |
| <b>E</b>           | Concentration exceeds the calibration range of the instrument          | <b>S</b>             | Method of standard additions (MSA) used for calculation |
| <b>N</b>           | Presumptive evidence of a compound (TICs only)                         | <b>U</b>             | Compound was not detected                               |
| <b>P</b>           | Concentration difference between primary and confirmation columns >25% | <b>W</b>             | Post digestion spike out of control limits              |
| <b>U</b>           | Compound was not detected  | <b>*</b>             | Duplicate analysis not within control limits            |
| <b>X,Y,Z</b>       | Defined in case narrative  | <b>+</b>             | Correlation coefficient for MSA <0.995                  |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ATTACHMENT F**

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

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## Error Summary Log

03/03/04

EDF 1.2i All files present in deliverable.

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|                    |  |
|--------------------|--|
| Laboratory:        | Sequoia Analytical Laboratories, Inc., Morgan Hill, CA |
| Project Name:      | BP Heritage #11104, Alame                              |
| Work Order Number: | MNB0407  |
| Global ID:         | T0600101651  |
| Lab Report Number: | MNB0407030120041848                                    |

## Report Summary

| Labreport               | Sampid | Labsampid   | Mtrx | QC  | Anmcode | Exmcode | Logdate  | Extdate  | Anadate  | Lablotctl | Run Sub |
|-------------------------|--------|-------------|------|-----|---------|---------|----------|----------|----------|-----------|---------|
| MNB04070301200<br>41848 | MW-1   | MNB040701   | W    | CS  | 8260TPH | SW5030B | 02/12/04 | 02/26/04 | 02/26/04 | 4B26004   | 1       |
| MNB04070301200<br>41848 | MW-2   | MNB040702   | W    | CS  | 8260TPH | SW5030B | 02/12/04 | 02/26/04 | 02/26/04 | 4B26004   | 1       |
| MNB04070301200<br>41848 | MW-3   | MNB040703   | W    | CS  | 8260TPH | SW5030B | 02/12/04 | 02/26/04 | 02/26/04 | 4B26004   | 1       |
| MNB04070301200<br>41848 | MW-4   | MNB040704   | W    | CS  | 8260TPH | SW5030B | 02/12/04 | 02/26/04 | 02/26/04 | 4B26004   | 1       |
| MNB04070301200<br>41848 | RW-1   | MNB040705   | W    | CS  | 8260TPH | SW5030B | 02/12/04 | 02/26/04 | 02/26/04 | 4B26004   | 1       |
|                         |        | 4B26004BS1  | WQ   | BS1 | 8260TPH | SW5030B | / /      | 02/26/04 | 02/26/04 | 4B26004   | 1       |
|                         |        | 4B26004BS2  | WQ   | BS2 | 8260TPH | SW5030B | / /      | 02/26/04 | 02/26/04 | 4B26004   | 1       |
|                         |        | 4B26004BLK1 | WQ   | LB1 | 8260TPH | SW5030B | / /      | 02/26/04 | 02/26/04 | 4B26004   | 1       |

# EDFSAMP: Error Summary Log

03/03/04

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

---

## EDFTEST: Error Summary Log

03/03/04

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

# EDFRES: Error Summary Log

03/03/04

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

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## EDFQC: Error Summary Log

03/03/04

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

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## EDFCL: Error Summary Log

03/03/04

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

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Your EDF file has been successfully uploaded!

**Confirmation Number:** 3798151791

**Date/Time of Submittal:** 3/3/2004 11:12:42 AM

**Facility Global ID:** T0600101651

**Facility Name:** BP

**Submittal Title:** 1Q04-monitoring Report for site 11104

**Submittal Type:** GW Monitoring Report

Logged in as URSCORP-OAKLAND  
(CONTRACTOR)

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### UPLOADING A GEO\_WELL FILE

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

**Submittal Title:** 1st Quarter 2004 Geowell Data for Site #11104

**Submittal Date/Time:** 2/17/2004 1:47:27 PM

**Confirmation Number:** 9890868961

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