

November 3, 2003

Ms. eva chu  
Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Fourth Quarter 2003 Groundwater Monitoring Report  
Former BP Service Station #11107  
18501 Hesperian Blvd  
San Lorenzo, California  
URS Project #38486393**

Dear Ms. Chu:

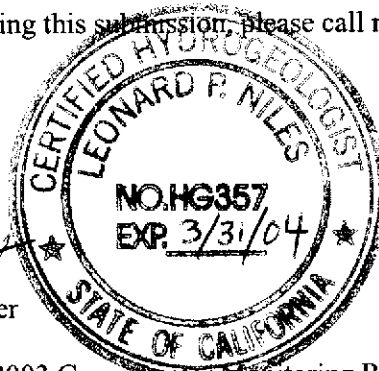
On behalf of the Group Environmental Management Company (an affiliated company of BP), URS Corporation (URS) is submitting the *Fourth Quarter 2003 Groundwater Monitoring Report* for the Former BP Service Station #11107, located at 18501 Hesperian Boulevard, San Lorenzo, California. URS believes that this site should be considered for case closure, based on the low and steadily declining concentrations of methyl-tert-butyl ether (MTBE) in all of the wells monitored. In the interim, URS recommends reduction of monitoring to a semi-annual basis, during the first and third quarters.

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

Sincerely,

**URS CORPORATION**

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



Enclosure: Fourth Quarter 2003 Groundwater Monitoring Report

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

# REPORT

## FOURTH QUARTER 2003 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11107  
18501 HESPERIAN BLVD  
SAN LORENZO, CALIFORNIA

*Prepared for*  
BP GEM

November 3, 2003

### URS

URS Corporation  
500 12<sup>th</sup> Street, Suite 200  
Oakland, California 94607

38486393

Date: November 3, 2003  
Quarter: 4Q 03

### BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 11107 Address: 18501 Hesperian Blvd, San Lorenzo, CA  
BP Environmental Engineer: Paul Supple  
Consulting Co./Contact Person: URS Corporation / Leonard Niles  
Consultant Project No.: 38486393  
Primary Agency/Regulatory ID No.: Alameda County Health Care Services / STID 780

#### WORK PERFORMED THIS QUARTER (Fourth – 2003):

1. Performed fourth quarter groundwater monitoring event on October 1, 2003.
3. Prepared and submitted fourth quarter 2003 groundwater monitoring report.

#### WORK PROPOSED FOR NEXT QUARTER (First – 2004):

1. Perform first quarter 2004 groundwater monitoring event.
2. Prepare and submit first quarter 2004 groundwater monitoring report.

Current Phase of Project: GW monitoring/sampling  
Frequency of Groundwater Sampling: Wells MW-4 through MW-6, quarterly  
Frequency of Groundwater Monitoring: Quarterly  
Is Free Product (FP) Present On-Site: No  
Current Remediation Techniques: None currently  
Approximate Depth to Groundwater: 16.27 (MW-6) to 18.13 (MW-1) feet  
Groundwater Gradient (direction): West-Northwest  
Groundwater Gradient (magnitude): 0.004 feet per foot

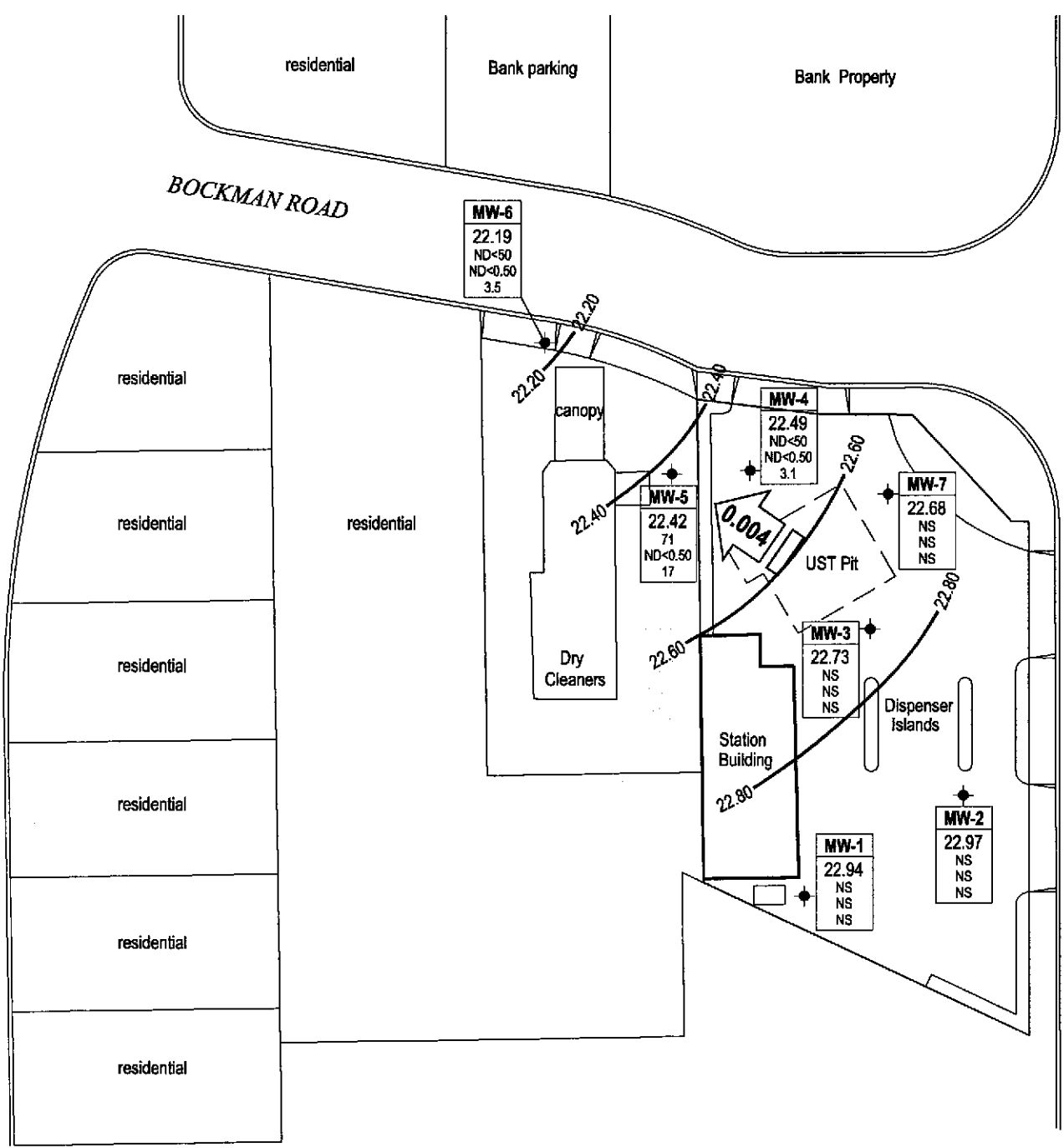
#### DISCUSSION:

TPH-g was detected above the laboratory reporting limit in one of the three wells sampled this quarter at a concentration of 71 micrograms per liter ( $\mu\text{g/L}$ ) (MW-5). Benzene was not detected above the laboratory reporting limit in any of the wells sampled this quarter. MTBE was detected above the laboratory reporting limit in all three wells sampled this quarter at concentrations of 3.1  $\mu\text{g/L}$  (MW-4), 3.5  $\mu\text{g/L}$  (MW-6) and 17  $\mu\text{g/L}$  (MW-5). No other fuel oxygenates were detected above the respective laboratory reporting limit. The groundwater flow direction was to the west-northwest at a calculated hydraulic gradient of 0.004 feet per foot.

#### ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – October 1, 2003
- Attachment A – Concentration and Water Level Trends (MW-5)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation

X:\x\_env\waste\BP\_GEMsites\L Niles Sites\11107\Reports\Monitoring\Ctr. 4, 2003\Drawings\GWEC-AS\_10-1.dwg, 11/03/2003 02:52:34 PM, JKMT, URS



VIA ARRIBA

HESPERIAN BOULEVARD

BOCKMAN ROAD



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

| EXPLANATION |   |
|-------------|---|
|             | Monitoring well location  |
|             | Well designation  |
|             | Groundwater elevation   |
|             | TPH-g, Benzene and MTBE concentrations in micrograms per liter (µg/L) |
| ND<         | Not detected  |
| NS          | Not sampled   |
|             | Approximate groundwater flow direction and gradient (feet/foot)       |
|             | Groundwater elevation contour line (feet above MSL)                   |



**Project No. 38486393**  
**Former BP Service Station #11107**  
**18501 Hesperian Boulevard**  
**San Lorenzo, California**

**GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP**  
**fourth Quarter 2003 (October 1, 2003)**

FIGURE  
**1**

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(a)<br>(Feet) | DTW<br>(Feet) | GWE<br>(Feet) | TPH-G<br>(b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|----------------------|---------------|---------------|------------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|------|
| MW-1    | 11/4/92                         | 41.07                | 20.78         | 20.29         | ND<50                  | ND<50           | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (j) ND<5000   | 2.8                 | ND            | ---         | PACE |
| QC-1    | (c) 11/4/92                     | ---                  | ---           | ---           | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (j) ---       | ---                 | ---           | ---         | PACE |
| MW-1    | 2/24/94                         | 41.07                | 20.70         | 20.37         | ND<50                  | ND<50           | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ND<5000   | 1.5                 | 0.9           | ---         | PACE |
| MW-1    | 5/12/94                         | 41.07                | 18.12         | 22.95         | ND<50                  | ND<50           | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ND<5000   | 1.0                 | ND<0.5        | 7           | PACE |
| MW-1    | 9/9/94                          | 41.07                | 21.74         | 19.33         | ND<50                  | ND<50           | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ND<5000   | ND<0.5              | ND<0.5        | 2.3         | PACE |
| MW-1    | 11/3/94                         | 41.07                | 20.01         | 21.06         | ND<50                  | 50              | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ND<5000   | ND<0.5              | ND<0.5        | 4.3         | PACE |
| MW-1    | 3/1/95                          | 41.07                | 17.44         | 23.63         | ND<50                  | ND<500          | ND<50       | ND<0.50     | ND<0.50     | ND<1.0      | ---            | 420           | 0.54                | 0.3           | 2.3         | ATI  |
| MW-1    | 6/6/95                          | 41.07                | 17.55         | 23.52         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 9/1/95                          | 41.07                | 18.19         | 22.88         | ND<50                  | ND<50           | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | 60            | ---                 | ---           | 8.8         | ATI  |
| MW-1    | 11/29/95                        | 41.07                | 18.84         | 22.23         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 3/23/96                         | 41.07                | 16.97         | 24.10         | ND<50                  | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | 9.6         | SPL  |
| MW-1    | 9/5/96                          | 41.07                | 17.74         | 23.33         | 110                    | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | 3.6         | SPL  |
| MW-1    | 3/11/97                         | 41.07                | 17.62         | 23.45         | ND<50                  | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | 5.2         | SPL  |
| MW-1    | 12/8/97                         | 41.07                | 16.30         | 24.77         | ND<50                  | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 7/8/98                          | 41.07                | 16.66         | 24.41         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 12/7/98                         | 41.07                | 17.80         | 23.27         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 1/19/99                         | 41.07                | 17.18         | 23.89         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 4/23/99                         | 41.07                | 17.40         | 23.67         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 7/20/99                         | 41.07                | 17.76         | 23.31         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 2/29/00                         | 41.07                | 17.17         | 23.90         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 4/14/00                         | 41.07                | 17.22         | 23.85         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 7/24/00                         | 41.07                | 17.61         | 23.46         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 10/30/00                        | 41.07                | 17.76         | 23.31         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 1/11/01                         | 41.07                | 17.88         | 23.19         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 5/17/01                         | 41.07                | 17.82         | 23.25         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 7/2/01                          | 41.07                | 17.95         | 23.12         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 11/2/01                         | 41.07                | 18.25         | 22.82         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 8/6/2002*                       | 41.07                | 17.93         | 23.14         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 10/16/02                        | 41.07                | 18.32         | 22.75         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 1/13/03                         | 41.07                | 17.31         | 23.76         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 5/2/03                          | 41.07                | 17.55         | 23.52         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 07/11/03 <sup>k</sup>           | 41.07                | 17.80         | 23.27         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-1    | 10/1/03                         | 41.07                | 18.13         | 22.94         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |

**Table 1**  
**Groundwater Elevation and Analytical Data**  
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18501 Hesperian Boulevard  
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| WELL ID | DATE OF SAMPLING/ MONITORING | TOC (a)<br>(Feet) | DTW<br>(Feet) | GWE<br>(Feet) | TPH-G<br>(b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB |      |
|---------|------------------------------|-------------------|---------------|---------------|------------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|-----|------|
| MW-2    | 11/4/92                      | 40.56             | 20.16         | 20.40         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (j)           | ---                 | ---           | ---         | --- | PACE |
| MW-2    | 2/24/94                      | 40.56             | 20.12         | 20.44         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j)           | ---                 | ---           | ---         | --- | PACE |
| MW-2    | 5/12/94                      | 40.56             | 17.49         | 23.07         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j)           | ---                 | ---           | 7.4         | --- | PACE |
| MW-2    | 9/9/94                       | 40.56             | 21.12         | 19.44         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j)           | ---                 | ---           | ---         | 2.1 | PACE |
| MW-2    | 11/3/94                      | 40.56             | 19.36         | 21.20         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j)           | ---                 | ---           | ---         | 4.2 | PACE |
| MW-2    | 3/1/95                       | 40.56             | 16.83         | 23.73         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | ---                 | ---           | ---         | 2.2 | ATI  |
| MW-2    | 6/6/95                       | 40.56             | 16.96         | 23.60         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 9/1/95                       | 40.56             | 17.54         | 23.02         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | ---                 | ---           | ---         | 7.9 | ATI  |
| MW-2    | 11/29/95                     | 40.56             | 18.19         | 22.37         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 3/23/96                      | 40.56             | 16.35         | 24.21         | ND<50                  | ---             | ND<0.5      | ND<1        | ND<1        | ND<1        | ND<10          | ---           | ---                 | ---           | ---         | 8.5 | SPL  |
| MW-2    | 9/5/96                       | 40.56             | 17.55         | 23.01         | ND<50                  | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | ---         | 3.2 | SPL  |
| MW-2    | 3/11/97                      | 40.56             | 16.95         | 23.61         | ND<50                  | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | ---         | 2.9 | SPL  |
| MW-2    | 12/8/97                      | 40.56             | 16.01         | 24.55         | ND<50                  | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | ND<10          | ---           | ---                 | ---           | ---         | 3.0 | SPL  |
| MW-2    | 7/8/98                       | 40.56             | 16.41         | 24.15         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 12/7/98                      | 40.56             | 17.15         | 23.41         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 1/19/99                      | 40.56             | 17.15         | 23.41         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 4/23/99                      | 40.56             | 16.89         | 23.67         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 7/20/99                      | 40.56             | 17.25         | 23.31         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 12/30/99                     | 40.56             | 17.44         | 23.12         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 2/29/00                      | 40.56             | 16.13         | 24.43         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 4/14/00                      | 40.56             | 16.88         | 23.68         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 7/24/00                      | 40.56             | 17.11         | 23.45         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 10/30/00                     | 40.56             | 17.12         | 23.44         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 1/11/01                      | 40.56             | 17.28         | 23.28         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 5/17/01                      | 40.56             | 17.20         | 23.36         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 7/2/01                       | 40.56             | 17.45         | 23.11         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 11/2/01                      | 40.56             | 17.62         | 22.94         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 8/6/2002*                    | 40.56             | 17.42         | 23.14         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 10/16/02                     | 40.56             | 17.74         | 22.82         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 1/13/03                      | 40.56             | 16.74         | 23.82         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 5/2/03                       | 40.56             | 17.00         | 23.56         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 07/11/03 <sup>k</sup>        | 40.56             | 17.29         | 23.27         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |
| MW-2    | 10/1/03                      | 40.56             | 17.59         | 22.97         | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | --- | ---  |

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID     | DATE OF SAMPLING/ MONITORING | TOC (a) (Feet) | DTW (Feet)   | GWE (Feet)   | TPH-G (b) (ug/L) | TPH-D (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE (ug/L) | TOG (ug/L) | 1,1,1-TCA (ug/L) | PCE (ug/L) | DO (ppm) | LAB |      |
|-------------|------------------------------|----------------|--------------|--------------|------------------|--------------|----------|----------|----------|----------|-------------|------------|------------------|------------|----------|-----|------|
| MW-3        | 11/4/92                      | 40.45          | 20.23        | 20.22        | 760              | ---          | 3.7      | 15       | 1.9      | 57       | ---         | (j)        | ---              | ---        | ---      | --- | PACE |
| MW-3        | 2/24/94                      | 40.45          | 20.24        | 20.21        | ND<50            | ---          | ND<0.5   | ND<0.5   | ND<0.5   | ND<0.5   | 30.66       | (j)        | ---              | ---        | ---      | --- | PACE |
| MW-3        | 5/12/94                      | 40.45          | 17.61        | 22.84        | ND<50            | ---          | ND<0.5   | ND<0.5   | ND<0.5   | ND<0.5   | 7.11        | (j)        | ---              | ---        | ---      | 7.3 | PACE |
| MW-3        | 9/9/94                       | 40.45          | 21.22        | 19.23        | ND<50            | ---          | ND<0.5   | ND<0.5   | ND<0.5   | ND<0.5   | ND<5.0      | (j)        | ---              | ---        | ---      | 2   | PACE |
| MW-3        | 11/3/94                      | 40.45          | 19.48        | 20.97        | ND<50            | ---          | ND<0.5   | ND<0.5   | ND<0.5   | ND<0.5   | 10.98       | (j)        | ---              | ---        | ---      | 3.6 | PACE |
| MW-3        | 3/1/95                       | 40.45          | 17.08        | 23.37        | ND<50            | ---          | ND<0.50  | ND<0.50  | ND<0.50  | ND<1.0   | ---         | ---        | ---              | ---        | ---      | 1.9 | ATI  |
| MW-3        | 6/6/95                       | 40.45          | 17.21        | 23.24        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 9/1/95                       | 40.45          | 17.69        | 22.76        | 200              | ---          | 2.7      | 33       | 7.2      | 43       | ND<5.0      | ---        | ---              | ---        | ---      | 7.8 | ATI  |
| MW-3        | 9/1/95                       | 40.45          | 18.29        | 22.16        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 3/23/96                      | 40.45          | 16.59        | 23.86        | ND<50            | ---          | ND<0.5   | ND<1     | ND<1     | ND<1     | ND<10       | ---        | ---              | ---        | ---      | 7.3 | SPL  |
| MW-3        | 9/5/96                       | 40.45          | 17.71        | 22.74        | ND<50            | ---          | ND<0.5   | ND<1.0   | ND<1.0   | ND<1.0   | ND<10       | ---        | ---              | ---        | ---      | 3.2 | SPL  |
| MW-3        | 3/11/97                      | 40.45          | 17.17        | 23.28        | ND<50            | ---          | ND<0.5   | ND<1.0   | ND<1.0   | ND<1.0   | ND<10       | ---        | ---              | ---        | ---      | 1.5 | SPL  |
| MW-3        | 12/8/97                      | 40.45          | 16.12        | 24.33        | ND<50            | ---          | ND<0.5   | ND<1.0   | ND<1.0   | ND<1.0   | ND<10       | ---        | ---              | ---        | ---      | 1.9 | SPL  |
| MW-3        | 7/8/98                       | 40.45          | 16.40        | 24.05        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 12/7/98                      | 40.45          | 17.32        | 23.13        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 1/19/99                      | 40.45          | 17.30        | 23.15        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 4/23/99                      | 40.45          | 17.07        | 23.38        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 7/20/99                      | 40.45          | 17.47        | 22.98        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 12/30/99                     | 40.45          | 17.60        | 22.85        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 2/29/00                      | 40.45          | 16.43        | 24.02        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 4/14/00                      | 40.45          | 17.09        | 23.36        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 7/24/00                      | 40.45          | 17.44        | 23.01        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 10/30/00                     | 40.45          | 17.29        | 23.16        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 1/11/01                      | 40.45          | 17.49        | 22.96        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 5/17/01                      | 40.45          | 17.45        | 23.00        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 7/2/01                       | 40.45          | 17.70        | 22.75        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 11/2/01                      | 40.45          | 17.82        | 22.63        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 8/6/2002*                    | 40.45          | 17.62        | 22.83        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 10/16/02                     | 40.45          | 17.82        | 22.63        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 1/13/03                      | 40.45          | 16.95        | 23.50        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 5/2/03                       | 40.45          | 17.26        | 23.19        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| MW-3        | 07/11/03 <sup>k</sup>        | 40.45          | 17.44        | 23.01        | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |
| <b>MW-3</b> | <b>10/1/03</b>               | <b>40.45</b>   | <b>17.72</b> | <b>22.73</b> | ---              | ---          | ---      | ---      | ---      | ---      | ---         | ---        | ---              | ---        | ---      | --- | ---  |

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(a)<br>(Feet) | DTW<br>(Feet) | GWE<br>(Feet) | TPH-G<br>(b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|----------------------|---------------|---------------|------------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|------|
| MW-4    | 11/4/92                         | 39.24                | 19.18         | 20.06         | 900                    | ---             | 150         | 4.1         | 0.8         | 53          | ---            | (j)           | ---                 | ---           | ---         | PACE |
| MW-4    | 2/24/94                         | 39.24                | 19.22         | 20.02         | 240                    | ---             | 110         | 3.8         | 1.8         | 11          | 1433           | (d)(j)        | ---                 | ---           | ---         | PACE |
| MW-4    | 5/12/94                         | 39.24                | 16.62         | 22.62         | ND<50                  | ---             | 2.2         | 1.0         | ND<0.5      | ND<0.5      | 862            | (d)(j)        | ---                 | ---           | 7.3         | PACE |
| MW-4    | 9/9/94                          | 39.24                | 20.27         | 18.97         | 240                    | ---             | 9.1         | 1.3         | 0.6         | 2.5         | 397            | (j)           | ---                 | ---           | 2.2         | PACE |
| MW-4    | 11/3/94                         | 39.24                | 18.46         | 20.78         | 250                    | ---             | 3.1         | 2.8         | 1.0         | 3.3         | 319            | (j)           | ---                 | ---           | 3.2         | PACE |
| QC-1    | (c) 11/3/94                     | ---                  | ---           | ---           | 110                    | ---             | 2.4         | ND<0.5      | ND<0.5      | ND<0.5      | 642            | (j)           | ---                 | ---           | ---         | PACE |
| MW-4    | 3/1/95                          | 39.24                | 16.15         | 23.09         | 8900                   | ---             | 1800        | 26          | 450         | 400         | ---            | ---           | ---                 | ---           | 2.0         | ATI  |
| QC-1    | (c) 3/1/95                      | ---                  | ---           | ---           | 7600                   | ---             | 1700        | 25          | 410         | 370         | ---            | ---           | ---                 | ---           | ---         | ATI  |
| MW-4    | 6/6/95                          | 39.24                | 16.28         | 22.96         | 3100                   | ---             | (e) 530     | 25          | 170         | 85          | ---            | ---           | ---                 | ---           | ---         | ATI  |
| QC-1    | (c) 6/6/95                      | ---                  | ---           | ---           | 3000                   | ---             | 530         | 27          | 170         | 92          | ---            | ---           | ---                 | ---           | ---         | ATI  |
| MW-4    | (f) 9/1/95                      | 39.24                | ---           | ---           | ---                    | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-4    | 11/29/95                        | 39.24                | 17.31         | 21.93         | ND<50                  | ---             | 1.8         | ND<0.50     | ND<0.50     | ND<1.0      | 440            | ---           | ---                 | ---           | 3.2         | ATI  |
| QC-1    | (c) 11/29/95                    | ---                  | ---           | ---           | ND<50                  | ---             | 1.5         | ND<0.50     | ND<0.50     | ND<1.0      | 490            | ---           | ---                 | ---           | ---         | ATI  |
| MW-4    | 3/23/96                         | 39.24                | 15.74         | 23.50         | 2700                   | ---             | 480         | ND<25       | 180         | 176         | 13000          | ---           | ---                 | ---           | 7.8         | SPL  |
| MW-4    | 9/5/96                          | 39.24                | 16.75         | 22.49         | 1100                   | ---             | ND<12       | ND<25       | ND<25       | ND<25       | 3200           | ---           | ---                 | ---           | 4.0         | SPL  |
| MW-4    | 3/11/97                         | 39.24                | 16.10         | 23.14         | 2400                   | ---             | 46          | ND<10       | 66          | 106         | 3400           | ---           | ---                 | ---           | 4.0         | SPL  |
| MW-4    | 12/8/97                         | 39.24                | 15.96         | 23.28         | 590                    | ---             | 11          | ND<1.0      | ND<1.0      | ND<1.0      | 1200           | ---           | ---                 | ---           | 4.4         | SPL  |
| MW-4    | 7/8/98                          | 39.24                | 16.28         | 22.96         | 1700                   | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 1200           | ---           | ---                 | ---           | 3.9         | SPL  |
| QC-1    | (c) 7/8/98                      | ---                  | ---           | ---           | 1600                   | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 1100           | ---           | ---                 | ---           | ---         | SPL  |
| MW-4    | 12/7/98                         | 39.24                | 16.47         | 22.77         | 530                    | ---             | ND<2.5      | ND<5.0      | ND<5.0      | ND<5.0      | 680/910        | (b)           | ---                 | ---           | ---         | SPL  |
| MW-4    | 1/19/99                         | 39.24                | 16.40         | 22.84         | 570                    | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 660            | ---           | ---                 | ---           | ---         | SPL  |
| MW-4    | 4/23/99                         | 39.24                | 16.17         | 23.07         | ND<50                  | ---             | ND<1.0      | ND<1.0      | 1.8         | 1.3         | 1100/810       | (b)           | ---                 | ---           | ---         | SPL  |
| MW-4    | 7/20/99                         | 39.24                | 16.39         | 22.85         | ND<50                  | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 480            | ---           | ---                 | ---           | ---         | SPL  |
| MW-4    | 12/30/99                        | 39.24                | 16.56         | 22.68         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 410            | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 2/29/00                         | 39.24                | 15.69         | 23.55         | 78                     | (i)             | 2.0         | ND<0.5      | 0.77        | 2.8         | 1200           | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 4/14/00                         | 39.24                | 16.21         | 23.03         | 300                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 800            | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 7/24/00                         | 39.24                | 16.50         | 22.74         | 130                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 270            | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 10/30/00                        | 39.24                | 16.35         | 22.89         | 73                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 210            | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 1/11/01                         | 39.24                | 16.46         | 22.78         | 120                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 176            | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 5/17/01                         | 39.24                | 16.40         | 22.84         | 99                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 119            | ---           | ---                 | ---           | ---         | PACB |
| MW-4    | 7/2/01                          | 39.24                | 16.75         | 22.49         | 63                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 87.6           | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 11/2/01                         | 39.24                | 16.80         | 22.44         | 56                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 49.6           | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 8/6/2002*                       | 39.24                | 16.60         | 22.64         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 14.4           | ---           | ---                 | ---           | ---         | PACE |
| MW-4    | 10/16/02                        | 39.24                | 16.86         | 22.38         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 16             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-4    | 1/13/03                         | 39.24                | 16.13         | 23.11         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 21             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-4    | 5/2/03                          | 39.24                | 16.38         | 22.86         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 7.2            | ---           | ---                 | ---           | ---         | SEQ  |
| MW-4    | 07/11/03 <sup>†</sup>           | 39.24                | 16.50         | 22.74         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 2.0            | ---           | ---                 | ---           | ---         | SEQ  |
| MW-4    | 10/1/03                         | 39.24                | 16.75         | 22.49         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 3.1            | ---           | ---                 | ---           | ---         | SEQ  |



**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(a)<br>(Feet) | DTW<br>(Feet) | GWE<br>(Feet) | TPH-G<br>(b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|----------------------|---------------|---------------|------------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|------|
| MW-5    | 6/6/95                          | 39.07                | 16.16         | 22.91         | 1100                   | ---             | (e) 42      | ND<2.5      | 15          | 4.0         | ---            | ---           | ---                 | ---           | ---         | ATI  |
| MW-5    | 9/1/95                          | 39.07                | 16.63         | 22.44         | 1600                   | ---             | 55          | ND<2.5      | 15          | 8.0         | 1200           | ---           | ---                 | ---           | 7.4         | ATI  |
| QC-1    | (c) 9/1/95                      | ---                  | ---           | ---           | 1200                   | ---             | 64          | ND<2.5      | 14          | 3.1         | ---            | ---           | ---                 | ---           | ---         | ATI  |
| MW-5    | 11/29/95                        | 39.07                | 17.19         | 21.88         | 2300                   | ---             | 140         | 4.0         | 36          | 11          | 1500           | ---           | ---                 | ---           | 4.1         | ATI  |
| MW-5    | 3/23/96                         | 39.07                | 15.54         | 23.53         | 90                     | ---             | 2.8         | ND<1        | ND<1        | ND<1        | 1500           | ---           | ---                 | ---           | 7.5         | SPL  |
| MW-5    | 9/5/96                          | 39.07                | 16.72         | 22.35         | 2300                   | ---             | 5.1         | ND<1.0      | ND<1.0      | ND<1.0      | 3300           | ---           | ---                 | ---           | 3.2         | SPL  |
| QC-1    | (c) 9/5/96                      | ---                  | ---           | ---           | 2000                   | ---             | 4.9         | ND<1.0      | ND<1.0      | ND<1.0      | 2900           | ---           | ---                 | ---           | ---         | SPL  |
| MW-5    | 3/11/97                         | 39.07                | 16.12         | 22.95         | 470                    | ---             | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0      | 580            | ---           | ---                 | ---           | 3.0         | SPL  |
| QC-1    | (c) 3/11/97                     | ---                  | ---           | ---           | 460                    | ---             | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0      | 540            | ---           | ---                 | ---           | ---         | SPL  |
| MW-5    | 12/8/97                         | 39.07                | 15.85         | 23.22         | 370                    | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 840            | ---           | ---                 | ---           | 3.0         | SPL  |
| MW-5    | 7/8/98                          | 39.07                | 16.11         | 22.96         | 430                    | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 330            | ---           | ---                 | ---           | 2.5         | SPL  |
| MW-5    | 12/7/98                         | 39.07                | 16.27         | 22.80         | 220                    | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 290/410        | (h)           | ---                 | ---           | ---         | SPL  |
| MW-5    | 1/19/99                         | 39.07                | 16.31         | 22.76         | 490                    | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 490/440        | (h)           | ---                 | ---           | ---         | SPL  |
| MW-5    | 4/23/99                         | 39.07                | 16.00         | 23.07         | ND<50                  | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 310/210        | (h)           | ---                 | ---           | ---         | SPL  |
| MW-5    | 7/20/99                         | 39.07                | 16.36         | 22.71         | ND<50                  | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 470            | ---           | ---                 | ---           | ---         | SPL  |
| MW-5    | 12/30/99                        | 39.07                | 16.53         | 22.54         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 550            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 2/29/00                         | 39.07                | 15.45         | 23.62         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 280            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 4/14/00                         | 39.07                | 16.10         | 22.97         | 81                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 240            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 7/24/00                         | 39.07                | 16.50         | 22.57         | 250                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 570            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 10/30/00                        | 39.07                | 16.23         | 22.84         | 140                    | ---             | ND<0.5      | 0.7         | ND<0.5      | 1.1         | 360            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 1/11/01                         | 39.07                | 16.41         | 22.66         | 420                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 585            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 5/17/01                         | 39.07                | 16.45         | 22.62         | 360                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 419            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 7/2/01                          | 39.07                | 16.65         | 22.42         | 210                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 264            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 11/2/01                         | 39.07                | 16.73         | 22.34         | 130                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 134            | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 8/6/2002*                       | 39.07                | 16.57         | 22.50         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 57.6           | ---           | ---                 | ---           | ---         | PACE |
| MW-5    | 10/16/02                        | 39.07                | 16.73         | 22.34         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 52             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-5    | 1/13/03                         | 39.07                | 16.01         | 23.06         | 58                     | ---             | 1.2         | ND<0.50     | ND<0.50     | 1.4         | 30             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-5    | 5/2/03                          | 39.07                | 16.27         | 22.80         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 17             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-5    | 07/11/03 <sup>k</sup>           | 39.07                | 16.42         | 22.65         | 58                     | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 19             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-5    | 10/1/03                         | 39.07                | 16.65         | 22.42         | 71                     | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 17             | ---           | ---                 | ---           | ---         | SEQ  |

**Table 1**  
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Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING/<br>MONITORING | TOC<br>(a)<br>(Feet) | DTW<br>(Feet) | GWE<br>(Feet) | TPH-G<br>(b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB  |
|---------|---------------------------------|----------------------|---------------|---------------|------------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|------|
| MW-6    | 3/1/95                          | 38.46                | 15.66         | 22.80         | 270                    | ---             | 11          | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | ---                 | ---           | 1.6         | ATI  |
| MW-6    | 6/6/95                          | 38.46                | 15.82         | 22.64         | 220                    | ---             | (e) 2.3     | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | ---                 | ---           | ---         | ATI  |
| MW-6    | 9/1/95                          | 38.46                | 16.25         | 22.21         | 780                    | ---             | ND<2.5      | ND<2.5      | ND<2.5      | ND<5.0      | 2800           | ---           | ---                 | ---           | 7.5         | ATI  |
| MW-6    | 11/29/95                        | 38.46                | 16.80         | 21.66         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | 1100           | ---           | ---                 | ---           | 3.9         | ATI  |
| MW-6    | 3/23/96                         | 38.46                | 15.27         | 23.19         | 50                     | ---             | ND<0.5      | ND<1        | ND<1        | ND<1        | 910            | ---           | ---                 | ---           | 8.0         | SPL  |
| MW-6    | 9/5/96                          | 38.46                | 16.30         | 22.16         | 4400                   | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 7400           | ---           | ---                 | ---           | 3.0         | SPL  |
| MW-6    | 3/11/97                         | 38.46                | 15.75         | 22.71         | 1100                   | ---             | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0      | 2000           | ---           | ---                 | ---           | 3.1         | SPL  |
| MW-6    | 12/8/97                         | 38.46                | 15.51         | 22.95         | 150                    | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 140            | ---           | ---                 | ---           | 3.4         | SPL  |
| MW-6    | 7/8/98                          | 38.46                | 15.78         | 22.68         | 370                    | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 250            | ---           | ---                 | ---           | 3.6         | SPL  |
| MW-6    | 12/7/98                         | 38.46                | 15.95         | 22.51         | 440                    | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 630/820 (h)    | ---           | ---                 | ---           | ---         | ---  |
| MW-6    | 1/19/99                         | 38.46                | 15.97         | 22.49         | 950                    | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 950/810 (h)    | ---           | ---                 | ---           | ---         | SPL  |
| MW-6    | 4/23/99                         | 38.46                | 15.74         | 22.72         | ND<50                  | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 310/220 (h)    | ---           | ---                 | ---           | ---         | SPL  |
| MW-6    | 7/20/99                         | 38.46                | 16.12         | 22.34         | ND<50                  | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 1300           | ---           | ---                 | ---           | ---         | SPL  |
| MW-6    | 12/30/99                        | 38.46                | 16.16         | 22.30         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 360            | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 2/29/00                         | 38.46                | 15.08         | 23.38         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 340            | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 4/14/00                         | 38.46                | 15.82         | 22.64         | 90                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 220            | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 7/24/00                         | 38.46                | 16.03         | 22.43         | 240                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 540            | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 10/30/00                        | 38.46                | 15.83         | 22.63         | 120                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 380            | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 1/11/01                         | 38.46                | 16.00         | 22.46         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 2.69           | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 5/17/01                         | 38.46                | 16.05         | 22.41         | 140                    | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 169            | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 7/2/01                          | 38.46                | 16.27         | 22.19         | 70                     | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 91.4           | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 11/2/01                         | 38.46                | 16.31         | 22.15         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 32.3           | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 8/6/2002*                       | 38.46                | 16.14         | 22.32         | ND<50                  | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 6.73           | ---           | ---                 | ---           | ---         | PACE |
| MW-6    | 10/16/02                        | 38.46                | 16.38         | 22.08         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | ND<2.50        | ---           | ---                 | ---           | ---         | SEQ  |
| MW-6    | 1/13/03                         | 38.46                | 15.66         | 22.80         | ND<50                  | ---             | 3.6         | 1.2         | 1.4         | 4.8         | 3.9            | ---           | ---                 | ---           | ---         | SEQ  |
| MW-6    | 5/2/03                          | 38.46                | 15.89         | 22.57         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 12             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-6    | 07/11/03 <sup>†</sup>           | 38.46                | 16.03         | 22.43         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 17             | ---           | ---                 | ---           | ---         | SEQ  |
| MW-6    | 10/1/03                         | 38.46                | 16.27         | 22.19         | ND<50                  | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<0.50     | 3.5            | ---           | ---                 | ---           | ---         | SEQ  |

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING/ MONITORING | TOC (a)<br>(Feet) | DTW (Feet) | GWE (Feet) | TPH-G (b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB  |
|---------|------------------------------|-------------------|------------|------------|---------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|------|
| MW-7    | 3/1/95                       | 39.50             | 16.21      | 23.29      | 1400                | ---             | 14          | ND<1.0      | 14          | 27          | ---            | ---           | ---                 | ---           | 1.8         | ATI  |
| MW-7    | 6/6/95                       | 39.50             | 16.34      | 23.16      | 540                 | ---             | (e) 5.5     | ND<0.50     | 15          | 1.1         | ---            | ---           | ---                 | ---           | ---         | ATI  |
| MW-7    | 9/1/95                       | 39.50             | 16.74      | 22.76      | 190                 | ---             | 2.8         | ND<0.50     | 5.0         | ND<1.0      | 10             | ---           | ---                 | ---           | 7.5         | ATI  |
| MW-7    | 11/29/95                     | 39.50             | 17.33      | 22.17      | 230                 | ---             | 31          | ND<0.50     | 3.8         | 1.9         | ND<5.0         | ---           | ---                 | ---           | 4.6         | ATI  |
| MW-7    | 3/23/96                      | 39.50             | 15.86      | 23.64      | ND<50               | ---             | 5.0         | ND<1        | ND<1        | ND<1        | 330            | ---           | ---                 | ---           | 7.2         | SPL  |
| QC-1    | (c) 3/23/96                  | ---               | ---        | ---        | 60                  | ---             | 7.6         | ND<1        | ND<1        | ND<1        | 360            | ---           | ---                 | ---           | ---         | SPL  |
| MW-7    | 9/5/96                       | 39.50             | 16.80      | 22.70      | 200                 | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 430            | ---           | ---                 | ---           | 3.1         | SPL  |
| MW-7    | 3/11/97                      | 39.50             | 18.32      | 21.18      | 120                 | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 140            | ---           | ---                 | ---           | 4.7         | SPL  |
| MW-7    | 12/8/97                      | 39.50             | 16.02      | 23.48      | 240                 | ---             | 0.8         | ND<1.0      | ND<1.0      | ND<1.0      | 200            | ---           | ---                 | ---           | 5.2         | SPL  |
| MW-7    | 7/8/98                       | 39.50             | 16.32      | 23.18      | 270                 | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 170            | ---           | ---                 | ---           | 4.8         | SPL  |
| MW-7    | 12/7/98                      | 39.50             | 16.43      | 23.07      | 100                 | ---             | ND<0.5      | ND<1.0      | ND<1.0      | ND<1.0      | 120            | ---           | ---                 | ---           | ---         | SPL  |
| MW-7    | 1/19/99                      | 39.50             | 16.41      | 23.09      | 80                  | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 80             | ---           | ---                 | ---           | ---         | SPL  |
| MW-7    | 4/23/99                      | 39.50             | 16.21      | 23.29      | ND<50               | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 20             | ---           | ---                 | ---           | ---         | SPL  |
| MW-7    | 7/20/99                      | 39.50             | 16.54      | 22.96      | ND<50               | ---             | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0      | 24             | ---           | ---                 | ---           | ---         | SPL  |
| MW-7    | 12/30/99                     | 39.50             | 16.65      | 22.85      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 12             | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 2/29/00                      | 39.50             | 15.71      | 23.79      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 7.0            | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 4/14/00                      | 39.50             | 16.25      | 23.25      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | 4.0            | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 7/24/00                      | 39.50             | 16.63      | 22.87      | ND<50               | ---             | 1.1         | 0.5         | ND<0.5      | ND<0.5      | 3.1            | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 10/30/00                     | 39.50             | 16.35      | 23.15      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | 1.1         | ND<0.5         | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 1/11/01                      | 39.50             | 16.52      | 22.98      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5         | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 5/17/01                      | 39.50             | 16.58      | 22.92      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | ND<0.5         | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 7/2/01                       | 39.50             | 16.75      | 22.75      | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.5      | 0.581          | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 11/2/01                      | 39.50             | 16.89      | 22.61      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 8/6/2002*                    | 39.50             | 16.65      | 22.85      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | PACE |
| MW-7    | 10/16/02                     | 39.50             | 16.86      | 22.64      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-7    | 1/13/03                      | 39.50             | 16.21      | 23.29      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-7    | 5/2/03                       | 39.50             | 16.37      | 23.13      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-7    | 07/11/03 <sup>k</sup>        | 39.50             | 16.55      | 22.95      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |
| MW-7    | 10/1/03                      | 39.50             | 16.82      | 22.68      | ---                 | ---             | ---         | ---         | ---         | ---         | ---            | ---           | ---                 | ---           | ---         | ---  |

**Table 1**  
**Groundwater Elevation and Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING/ MONITORING | TOC (a)<br>(Feet) | DTW<br>(Feet) | GWE<br>(Feet) | TPH-G (b)<br>(ug/L) | TPH-D<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>(ug/L) | TOG<br>(ug/L) | 1,1,1-TCA<br>(ug/L) | PCE<br>(ug/L) | DO<br>(ppm) | LAB |      |
|---------|------------------------------|-------------------|---------------|---------------|---------------------|-----------------|-------------|-------------|-------------|-------------|----------------|---------------|---------------------|---------------|-------------|-----|------|
| QC-2    | (g) 11/4/92                  | ---               | ---           | ---           | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (j) ---       | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 11/4/92                  | ---               | ---           | ---           | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ---            | (j) ---       | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 2/24/94                  | ---               | ---           | ---           | ---                 | ---             | ---         | ---         | ---         | ---         | ND<5.0         | (j) ---       | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 3/1/95                   | ---               | -22.80        | ---           | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<1.0      | ---            | ---           | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 5/12/94                  | ---               | ---           | ---           | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ---       | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 9/9/94                   | ---               | ---           | ---           | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ---       | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 11/3/94                  | ---               | ---           | ---           | ND<50               | ---             | ND<0.5      | ND<0.5      | ND<0.5      | ND<0.5      | ND<5.0         | (j) ---       | ---                 | ---           | ---         | --- | PACE |
| QC-2    | (g) 6/6/95                   | ---               | ---           | ---           | ND<50               | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | ---            | ---           | ---                 | ---           | ---         | --- | ATI  |
| QC-2    | (g) 9/1/95                   | ---               | ---           | ---           | ND<50               | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | ---                 | ---           | ---         | --- | ATI  |
| QC-2    | (g) 11/29/95                 | ---               | ---           | ---           | ND<50               | ---             | ND<0.50     | ND<0.50     | ND<0.50     | ND<1.0      | ND<5.0         | ---           | ---                 | ---           | ---         | --- | ATI  |
| QC-2    | (g) 3/23/96                  | ---               | ---           | ---           | 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 #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

**ABBREVIATIONS:**

|           |   |
|-----------|---|
| TPH-G     | Total petroleum hydrocarbons as gasoline          |
| TPH-D     | Total petroleum hydrocarbons as diesel            |
| B         | Benzene   |
| T         | Toluene   |
| E         | Ethylbenzene                                      |
| X         | Total xylenes                                     |
| TOC       | Top of Casing                                     |
| DTW       | Depth to Water                                    |
| GWE       | Groundwater Elevation                             |
| MTBE      | Methyl tert butyl ether                           |
| TOG       | Total oil and grease                              |
| 1,1,1-TCA | 1,1,1-Trichloroethane                             |
| PCE       | Tetrachloroethene                                 |
| DO        | Dissolved oxygen                                  |
| ug/L      | Micrograms per liter                              |
| ppm       | Parts per million                                 |
| ND<       | Not detected at or above reported detection limit |
| ---       | Not measured/analyzed/applicable                  |
| PACE      | Pace, Inc.  |
| ATI       | Analytical Technologies, Inc                      |
| SPL       | Southern Petroleum Laboratories                   |
| SEQ       | Sequoia Analytical Laboratories                   |

**NOTES:**

- (a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 39.95 feet above mean sea level.
- (b) Groundwater elevations in feet above mean sea level
- (c) Blind duplicate.
- (d) A copy of the documentation for this data is included in Alisto report 10-060-07-001
- (e) MTBE peak present. See documentation in Appendix C of Alisto report 10-060-07-001.
- (f) Well inaccessible.
- (g) Travel blank.
- (h) MTBE by 8020/8260.
- (i) Gasoline does not include MTBE.
- (j) A copy of the documentation for this data is included in Blaine Tech Services report 010517-C-4. The MTBE data for the October 22 and 23, 1992 and November 4, 1992 sampling events have been destroyed.
- (k) Beginning with the third quarter 2003 sampling event (7/11/03), groundwater samples were analyzed by EPA method 8260B for TPH-g, BTEX and fuel oxygenates.
- \* During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP. The data within this table collected prior to second quarter 2002 has not been verified by URS

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

**Table 2**  
**Fuel Oxygenate Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

| WELL ID | DATE OF SAMPLING | 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) | LAB  |
|---------|------------------|----------------|------------|-------------|-------------|-------------|-------------|----------------|------------|------|
| MW-4    | 7/20/99          | ---            | ND<500     | 590         | ND<10       | ND<5.0      | ND<5.0      | ND<1.0         | ND<1.0     | SPL  |
| MW-4    | 12/30/99         | ---            | ---        | 280         | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0         | ND<5.0     | PACE |
| MW-4    | 2/29/00          | ---            | ---        | 870         | ND<20       | ND<20       | ND<20       | ND<20          | ND<20      | PACE |
| MW-4    | 4/14/00          | ---            | ---        | 730         | ND<10       | ND<10       | ND<10       | ND<10          | ND<10      | PACE |
| MW-4    | 7/24/00          | ---            | ND<50      | 390         | ND<5.0      | ND<5.0      | ND<5.0      | ND<1.0         | ND<1.0     | PACE |
| MW-4    | 10/30/00         | ---            | ND<50      | 160         | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0         | ND<5.0     | PACE |
| MW-4    | 1/11/01          | ---            | ND<10      | 170         | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0         | ND<1.0     | PACE |
| MW-4    | 5/17/01          | ---            | ND<10      | 91          | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0         | ND<1.0     | PACE |
| MW-4    | 7/2/01           | ---            | ND<10      | 66          | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0         | ND<1.0     | PACE |
| MW-4    | 7/11/03          | ND<100         | ND<20      | 2.0         | ND<0.50     | ND<0.50     | ND<0.50     | ---            | ---        | SEQ  |
| MW-4    | 10/1/03          | ND<100         | ND<20      | 3.1         | ND<0.50     | ND<0.50     | ND<0.50     | ---            | ---        | SEQ  |
| MW-5    | 7/20/99          | ---            | ND<500     | 490         | ND<10       | ND<10       | ND<10       | ---            | ---        | SPL  |
| MW-5    | 12/30/99         | ---            | ---        | 470         | ND<10       | ND<10       | ND<10       | ---            | ---        | PACE |
| MW-5    | 2/29/00          | ---            | ---        | 190         | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0         | ND<5.0     | PACE |
| MW-5    | 4/14/00          | ---            | ---        | 200         | ND<5.0      | ND<5.0      | ND<5.0      | ---            | ---        | PACE |
| MW-5    | 7/24/00          | ---            | ND<50      | 630         | ND<5.0      | ND<5.0      | ND<5.0      | ---            | ---        | PACE |
| MW-5    | 10/30/00         | ---            | ND<100     | 260         | ND<10       | ND<10       | ND<10       | ---            | ---        | PACE |
| MW-5    | 1/11/01          | ---            | 110        | 540         | ND<1.0      | ND<1.0      | ND<1.0      | ND<1.0         | ND<1.0     | PACE |
| MW-5    | 5/17/01          | ---            | 31         | 320         | ND<1.0      | ND<1.0      | ND<1.0      | ---            | ---        | PACE |
| MW-5    | 7/2/01           | ---            | ND<10      | 290         | ND<1.0      | ND<1.0      | ND<1.0      | ---            | ---        | PACE |
| MW-5    | 7/11/03          | ND<100         | ND<20      | 19          | ND<0.50     | ND<0.50     | ND<0.50     | ---            | ---        | SEQ  |
| MW-5    | 10/1/03          | ND<100         | ND<20      | 17          | ND<0.50     | ND<0.50     | ND<0.50     | ---            | ---        | SEQ  |
| MW-6    | 7/20/99          | ---            | ND<500     | 1400        | ND<10       | ND<10       | ND<10       | ---            | ---        | SPL  |
| MW-6    | 12/30/99         | ---            | ---        | 300         | ND<5.0      | ND<5.0      | ND<5.0      | ---            | ---        | PACE |
| MW-6    | 2/29/00          | ---            | ---        | 240         | ND<5.0      | ND<5.0      | ND<5.0      | ND<5.0         | ND<5.0     | PACE |
| MW-6    | 4/14/00          | ---            | ---        | 200         | ND<5.0      | ND<5.0      | ND<5.0      | ---            | ---        | PACE |
| MW-6    | 7/24/00          | ---            | 62         | 600         | ND<5.0      | ND<5.0      | ND<5.0      | ---            | ---        | PACE |
| MW-6    | 10/30/00         | ---            | ND<100     | 260         | ND<10       | ND<10       | ND<10       | ---            | ---        | PACE |
| MW-6    | 1/11/01          | ---            | ND<10      | 2.4         | ND<1.0      | ND<1.0      | ND<1.0      | ---            | ---        | PACE |
| MW-6    | 5/17/01          | ---            | ND<10      | 130         | ND<1.0      | ND<1.0      | ND<1.0      | ---            | ---        | PACE |
| MW-6    | 7/2/01           | ---            | ND<10      | 80          | ND<1.0      | ND<1.0      | ND<1.0      | ---            | ---        | PACE |
| MW-6    | 7/11/03          | ND<100         | ND<20      | 17          | ND<0.50     | ND<0.50     | ND<0.50     | ---            | ---        | SEQ  |
| MW-6    | 10/1/03          | ND<100         | ND<20      | 3.5         | ND<0.50     | ND<0.50     | ND<0.50     | ---            | ---        | SEQ  |

**Table 2**  
**Fuel Oxygenate Analytical Data**  
Former BP Service Station #11107  
18501 Hesperian Boulevard  
San Lorenzo, CA

---

|         |  |
|---------|--|
| Note    | = All fuel oxygenate compounds analyzed using EPA Method 8260B |
| TBA     | = tert-Butyl alcohol   |
| MTBE    | = Methyl tert-butyl ether                                      |
| DIPE    | = Di-isopropyl ether   |
| ETBE    | = Ethyl tert butyl ether                                       |
| TAME    | = tert-Amyl methyl ether                                       |
| 1,2-DCA | = 1,2-Dichloroethane   |
| EDB     | = 1,2-Dibromoethane  |
| µg/L    | = micrograms per liter   |
| ND<     | = Not detected at or above the laboratory reporting limit      |
| ---     | = Not sampled or analyzed                                      |
| PACE    | Pace, Inc.   |
| SPL     | Southern Petroleum Laboratories                                |
| SEQ     | Sequoia Analytical Laboratories                                |

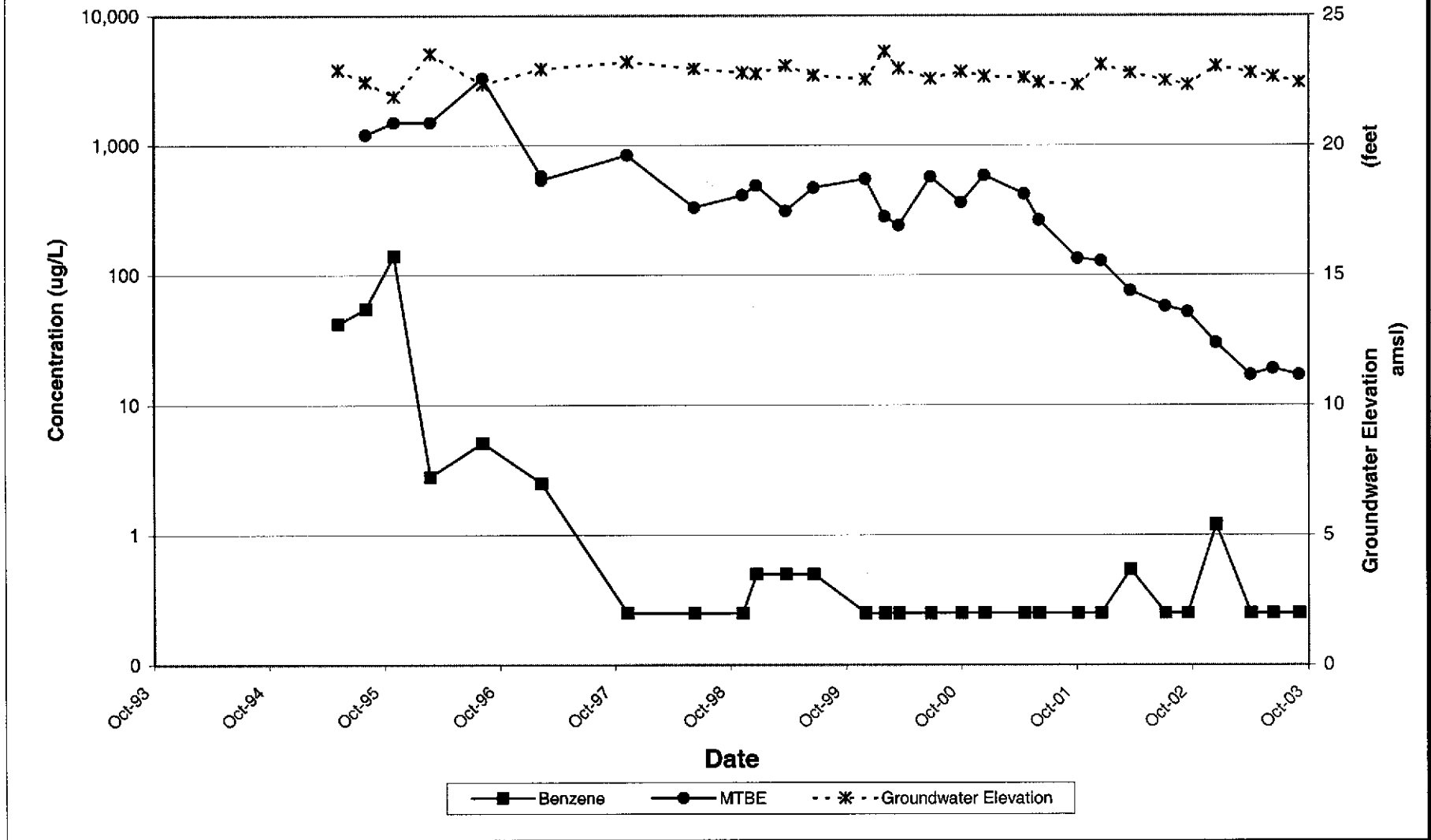
Source: The data within this table collected prior to July 2003 was provided to URS by BP Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

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**ATTACHMENT A**  
**CONCENTRATION AND WATER LEVEL TRENDS**



## Concentration and Water Level Trends Well MW-5



Former BP Service Station #11107  
18501 Hesperian Blvd  
San Lorenzo, CA

**Graph 1**

**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 # 031001-MD2 Date 10/01/03 Client 11107

Site 18501 Hesperian, San Lorenzo

| Well ID | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOG |
|---------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|
| MW-1    | 2               |              |                                  |                                      |                                    | 18.13                | 30.73                      |                          |
| MW-2    | 2               |              |                                  |                                      |                                    | 17.59                | 24.88                      |                          |
| MW-3    | 2               |              |                                  |                                      |                                    | 17.72                | 24.84                      |                          |
| MW-4    | 2               |              |                                  |                                      |                                    | 16.75                | 25.14                      |                          |
| MW-5    | 2               |              |                                  |                                      |                                    | 16.65                | 22.68                      |                          |
| MW-6    | 2               |              |                                  |                                      |                                    | 16.27                | 25.08                      | ↙                        |
| MW-7    | 2               |              |                                  |                                      |                                    | 16.82                | 24.54                      | ↖                        |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |
|         |                 |              |                                  |                                      |                                    |                      |                            |                          |

## ARCO / BP WELL MONITORING DATA SHEET

|                            |                                   |
|----------------------------|-----------------------------------|
| BTS #: 031001-MD2          | Station # 11107                   |
| Sampler: John DeJong       | Date: 10/1/03                     |
| Well I.D.: MW-4            | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 25.4     | Depth to Water: 16.75             |
| Depth to Free Product:     | Thickness of Free Product (feet): |
| Referenced to: (PVC) 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~~  
 Middleburg  
 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.

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| 1.3                   | x | 3                 | = | 3.9               | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or $\mu$ S) | Gals. Removed | Observations     |
|------|-----------|-----|------------------------------|---------------|------------------|
| 1357 | 67.8      | 7.1 | 733                          | 1.4           | cloudy, gas odor |
| 1459 | 68.2      | 6.9 | 735                          | 2.7           |                  |
| 1501 | 67.7      | 6.8 | 734                          | 4.0           |                  |
|      |           |     |                              |               |                  |
|      |           |     |                              |               |                  |

Did well dewater? Yes  No  Gallons actually evacuated: 4

Sampling Time: 1510 Sampling Date: 10/1/03

Sample I.D.: MW-4 Laboratory: Pace Sequoia Other: \_\_\_\_\_

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxy's & Ethanol by P260

|                    |            |      |             |      |
|--------------------|------------|------|-------------|------|
| 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 #: 031001-MD2          | Station # 11107                   |
| Sampler: John DeJong       | Date: 10/1/03                     |
| Well I.D.: MW-5            | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 22.68    | Depth to Water: 16.65             |
| Depth to Free Product:     | Thickness of Free Product (feet): |
| Referenced to: (PVC) 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  
 Middleburg      Extraction Port  
 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.

|                       |   |                   |   |                   |       |
|-----------------------|---|-------------------|---|-------------------|-------|
| 1                     | x | 3                 | = | 3                 | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or (µS)) | Gals. Removed | Observations           |
|------|-----------|-----|---------------------------|---------------|------------------------|
| 1438 | 67.4      | 6.9 | 698                       | 1             | clear, slight gas odor |
| 1440 | 67.7      | 6.8 | 703                       | 2             |                        |
| 1447 | 67.9      | 6.8 | 707                       | 3             |                        |
|      |           |     |                           |               |                        |
|      |           |     |                           |               |                        |

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Time: 1450      Sampling Date: 10/1/03

Sample I.D.: MW-5      Laboratory: Pace Sequora Other \_\_\_\_\_

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxy's & Ethanol by 8260

|                    |            |      |             |      |
|--------------------|------------|------|-------------|------|
| 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 #: 031001-MD2               | Station # 11107                   |
| Sampler: John DeJong            | Date: 10/1/03                     |
| Well I.D.: MW6                  | Well Diameter: ② 3 4 6 8          |
| Total Well Depth: 25.08         | Depth to Water: 16.27             |
| 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      |
| <u>Disposable Bailer</u> | <del>Disposable Bailer</del> |
| Middleburg               | 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>1.4</u>            | x | <u>3</u>          | = | <u>4.2</u>        | Gals. |
| 1 Case Volume (Gals.) |   | Specified Volumes |   | Calculated Volume |       |

| Time | Temp (°F) | pH  | Conductivity (mS or <u>µS</u> ) | Gals. Removed | Observations |
|------|-----------|-----|---------------------------------|---------------|--------------|
| 1416 | 68.1      | 7.7 | 724                             | 1.4           | cloudy, fch  |
| 1417 | 68.3      | 6.9 | 756                             | 2.8           |              |
| 1421 | 68.3      | 6.9 | 756                             | 4.2           |              |
|      |           |     |                                 |               |              |
|      |           |     |                                 |               |              |

|   |  |
|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Gallons actually evacuated: <u>4.2</u>       |
| Sampling Time: <u>1425</u>  | Sampling Date: <u>10/1/03</u>                |
| Sample I.D.: <u>MW-6</u>  | Laboratory: Pace <u>Sequoia</u> Other: _____ |

|   |  |
|---|--|
| Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>oxy's &amp; Ethanol by 8260</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 PLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

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

11107

Station #

18501 Hesperian Blvd, San Lorenzo

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

12

added equip.  
rinse water

1

any other  
adjustments

TOTAL GALS.  
RECOVERED

13

loaded onto  
BTS vehicle #

11

BTS event #

031001-MD2

time

1530

date

10/1/03

signature

*John DeJong*

\*\*\*\*\*

REC'D AT

time

date

Blaine Tech Services

1670

10/1/03

unloaded by  
signature

*John DeJong*



# WELLHEAD INSPECTION CHECKLIST

Client 11107 Date 10/1/03  
 Site Address 18501 Hesperian, San Marcos  
 Job Number 031006-MD2 Technician John De Jong

| Well ID         | Well Inspected -<br>No Corrective<br>Action Required | Water Bailed<br>From<br>Wellbox | Wellbox<br>Components<br>Cleaned | Cap<br>Replaced | Lock<br>Replaced | Other Action<br>Taken<br>(explain<br>below) | Well Not<br>Inspected<br>(explain<br>below) | Repair Order<br>Submitted |
|-----------------|--|---------------------------------|----------------------------------|-----------------|------------------|---|---|---------------------------|
| MW-1            |  | ✓                               |                                  |                 |                  |   |   | ✓                         |
| MW-2            |  | ✓                               |                                  |                 | ✓                |   |   | ✓                         |
| MW-3            |  |                                 |                                  |                 |                  |   |   | ✓                         |
| MW-4            |  |                                 |                                  |                 |                  |   |   | ✓                         |
| MW-5            |  |                                 |                                  |                 |                  |   |   | ✓                         |
| MW-6            |  |                                 |                                  |                 |                  |   |   | ✓                         |
| MW-7            |  |                                 |                                  |                 |                  |   |   | ✓                         |
| <del>MW-8</del> |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |
|                 |  |                                 |                                  |                 |                  |   |   |                           |

NOTES: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**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 Group Environmental Management Company have been reviewed and verified by that laboratory.



21 October, 2003

Leonard Niles  
URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland, CA 94607

RE: BP Heritage #11107, San Lorenzo, CA  
Work Order: MMJ0172

Enclosed are the results of analyses for samples received by the laboratory on 10/02/03 17:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen  
Project Manager

CA ELAP Certificate #1210



URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland CA, 94607

Project: BP Heritage #11107, San Lorenzo, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MMJ0172  
**Reported:**  
10/21/03 14:49

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| MW-4       | MMJ0172-01    | Water  | 10/01/03 15:10 | 10/02/03 17:05 |
| MW-5       | MMJ0172-02    | Water  | 10/01/03 14:50 | 10/02/03 17:05 |
| MW-6       | MMJ0172-03    | Water  | 10/01/03 14:25 | 10/02/03 17:05 |
| Trip Blank | MMJ0172-04    | Water  | 10/01/03 00:00 | 10/02/03 17:05 |

There wre custody seals received with this project.

URS Corporation [Arco]  
 500 12th Street, Suite 200  
 Oakland CA, 94607

 Project: BP Heritage #11107, San Lorenzo, CA  
 Project Number: N/P  
 Project Manager: Leonard Niles

 MMJ0172  
 Reported:  
 10/21/03 14:49

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

| Analyte   | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>MW-4 (MMJ0172-01) Water Sampled: 10/01/03 15:10 Received: 10/02/03 17:05</b> |        |                 |       |          |         |          |          |           |       |
| Gasoline Range Organics (C6-C10)  | ND     | 50              | ug/l  | 1        | 3J14001 | 10/14/03 | 10/15/03 | EPA 8260B |       |
| Ethanol   | ND     | 100             | "     | "        | "       | "        | "        | "         |       |
| tert-Butyl alcohol  | ND     | 20              | "     | "        | "       | "        | "        | "         | O-09  |
| Methyl tert-butyl ether   | 3.1    | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Benzene   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Toluene   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |        | 111 %           |       | 78-129   | "       | "        | "        | "         |       |
| <b>MW-5 (MMJ0172-02) Water Sampled: 10/01/03 14:50 Received: 10/02/03 17:05</b> |        |                 |       |          |         |          |          |           |       |
| Gasoline Range Organics (C6-C10)  | 71     | 50              | ug/l  | 1        | 3J14001 | 10/14/03 | 10/15/03 | EPA 8260B |       |
| Ethanol   | ND     | 100             | "     | "        | "       | "        | "        | "         |       |
| tert-Butyl alcohol  | ND     | 20              | "     | "        | "       | "        | "        | "         | O-09  |
| Methyl tert-butyl ether   | 17     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Benzene   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Toluene   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene  | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)   | ND     | 0.50            | "     | "        | "       | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |        | 108 %           |       | 78-129   | "       | "        | "        | "         |       |



URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland CA, 94607

Project: BP Heritage #11107, San Lorenzo, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MMJ0172  
**Reported:**  
10/21/03 14:49

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

| Analyte   | Result     | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>MW-6 (MMJ0172-03) Water Sampled: 10/01/03 14:25 Received: 10/02/03 17:05</b> |            |                 |       |          |         |          |          |           |       |
| Gasoline Range Organics (C6-C10)  | ND         | 50              | ug/l  | 1        | 3J14001 | 10/14/03 | 10/15/03 | EPA 8260B |       |
| Ethanol   | ND         | 100             | "     | "        | "       | "        | "        | "         |       |
| tert-Butyl alcohol  | ND         | 20              | "     | "        | "       | "        | "        | "         | O-09  |
| <b>Methyl tert-butyl ether</b>  | <b>3.5</b> | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Di-isopropyl ether  | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethyl tert-butyl ether  | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| tert-Amyl methyl ether  | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Benzene   | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Toluene   | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Ethylbenzene  | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| Xylenes (total)   | ND         | 0.50            | "     | "        | "       | "        | "        | "         |       |
| <i>Surrogate: 1,2-Dichloroethane-d4</i>   |            | 112 %           |       | 78-129   | "       | "        | "        | "         |       |



URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland CA, 94607

Project: BP Heritage #11107, San Lorenzo, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MMJ0172  
Reported:  
10/21/03 14:49

**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 3J14001 - EPA 5030B P/T**

**Blank (3J14001-BLK1)**

Prepared & Analyzed: 10/14/03

|                                  |    |      |      |  |  |  |  |  |  |  |
|----------------------------------|----|------|------|--|--|--|--|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 50   | ug/l |  |  |  |  |  |  |  |
| Ethanol                          | ND | 100  | "    |  |  |  |  |  |  |  |
| 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 | "    |  |  |  |  |  |  |  |

Surrogate: 1,2-Dichloroethane-d4

4.96

"

5.00

99.2

78-129

**Laboratory Control Sample (3J14001-BS1)**

Prepared & Analyzed: 10/14/03

|                         |      |      |      |      |  |      |        |
|-------------------------|------|------|------|------|--|------|--------|
| Ethanol                 | 173  | 100  | ug/l | 200  |  | 86.5 | 31-186 |
| tert-Butyl alcohol      | 56.6 | 20   | "    | 50.0 |  | 113  | 0-206  |
| Methyl tert-butyl ether | 8.70 | 0.50 | "    | 10.0 |  | 87.0 | 63-137 |
| Di-isopropyl ether      | 9.04 | 0.50 | "    | 10.0 |  | 90.4 | 76-130 |
| Ethyl tert-butyl ether  | 8.64 | 0.50 | "    | 10.0 |  | 86.4 | 61-141 |
| tert-Amyl methyl ether  | 8.70 | 0.50 | "    | 10.0 |  | 87.0 | 56-140 |
| 1,2-Dichloroethane      | 9.59 | 0.50 | "    | 10.0 |  | 95.9 | 77-136 |
| 1,2-Dibromoethane (EDB) | 10.7 | 0.50 | "    | 10.0 |  | 107  | 77-132 |
| Benzene                 | 9.03 | 0.50 | "    | 10.0 |  | 90.3 | 78-124 |
| Toluene                 | 9.57 | 0.50 | "    | 10.0 |  | 95.7 | 78-129 |
| Ethylbenzene            | 9.97 | 0.50 | "    | 10.0 |  | 99.7 | 84-117 |
| Xylenes (total)         | 32.1 | 0.50 | "    | 30.0 |  | 107  | 83-125 |

Surrogate: 1,2-Dichloroethane-d4

4.87

"

5.00

97.4

78-129



URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland CA, 94607

Project: BP Heritage #11107, San Lorenzo, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MMJ0172  
Reported:  
10/21/03 14:49

**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 3J14001 - EPA 5030B P/T**

**Laboratory Control Sample (3J14001-BS2)**

Prepared & Analyzed: 10/14/03

|                                  |      |    |      |      |  |      |        |  |  |  |
|----------------------------------|------|----|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 389  | 50 | ug/l | 440  |  | 88.4 | 70-113 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 4.93 |    | "    | 5.00 |  | 98.6 | 78-129 |  |  |  |

**Laboratory Control Sample Dup (3J14001-BSD1)**

Prepared: 10/14/03 Analyzed: 10/15/03

|                                  |      |      |      |      |  |      |        |       |    |      |
|----------------------------------|------|------|------|------|--|------|--------|-------|----|------|
| Ethanol                          | 183  | 100  | ug/l | 200  |  | 91.5 | 31-186 | 5.62  | 37 |      |
| tert-Butyl alcohol               | 51.4 | 20   | "    | 50.0 |  | 103  | 0-206  | 9.63  | 22 | O-09 |
| Methyl tert-butyl ether          | 8.29 | 0.50 | "    | 10.0 |  | 82.9 | 63-137 | 4.83  | 13 |      |
| Di-isopropyl ether               | 8.33 | 0.50 | "    | 10.0 |  | 83.3 | 76-130 | 8.18  | 9  |      |
| Ethyl tert-butyl ether           | 8.36 | 0.50 | "    | 10.0 |  | 83.6 | 61-141 | 3.29  | 9  |      |
| tert-Amyl methyl ether           | 8.30 | 0.50 | "    | 10.0 |  | 83.0 | 56-140 | 4.71  | 12 |      |
| 1,2-Dichloroethane               | 10.1 | 0.50 | "    | 10.0 |  | 101  | 77-136 | 5.18  | 13 |      |
| 1,2-Dibromoethane (EDB)          | 10.7 | 0.50 | "    | 10.0 |  | 107  | 77-132 | 0.00  | 9  |      |
| Benzene                          | 8.98 | 0.50 | "    | 10.0 |  | 89.8 | 78-124 | 0.555 | 12 |      |
| Toluene                          | 9.37 | 0.50 | "    | 10.0 |  | 93.7 | 78-129 | 2.11  | 10 |      |
| Ethylbenzene                     | 9.79 | 0.50 | "    | 10.0 |  | 97.9 | 84-117 | 1.82  | 10 |      |
| Xylenes (total)                  | 32.2 | 0.50 | "    | 30.0 |  | 107  | 83-125 | 0.311 | 11 |      |
| Surrogate: 1,2-Dichloroethane-d4 | 5.18 |      | "    | 5.00 |  | 104  | 78-129 |       |    |      |

**Laboratory Control Sample Dup (3J14001-BSD2)**

Prepared: 10/14/03 Analyzed: 10/15/03

|                                  |      |    |      |      |  |      |        |      |   |  |
|----------------------------------|------|----|------|------|--|------|--------|------|---|--|
| Gasoline Range Organics (C6-C10) | 410  | 50 | ug/l | 440  |  | 93.2 | 70-113 | 5.26 | 9 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 5.13 |    | "    | 5.00 |  | 103  | 78-129 |      |   |  |

**Matrix Spike (3J14001-MS1)**

Source: MMJ0086-01

Prepared & Analyzed: 10/14/03

|                                  |       |      |      |       |    |      |        |  |  |  |
|----------------------------------|-------|------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 20100 | 2500 | ug/l | 22000 | ND | 91.4 | 70-113 |  |  |  |
| Methyl tert-butyl ether          | 397   | 25   | "    | 504   | ND | 78.8 | 63-137 |  |  |  |
| Benzene                          | 261   | 25   | "    | 324   | ND | 80.6 | 78-124 |  |  |  |
| Toluene                          | 1650  | 25   | "    | 1480  | ND | 111  | 78-129 |  |  |  |
| Ethylbenzene                     | 372   | 25   | "    | 360   | ND | 103  | 84-117 |  |  |  |
| Xylenes (total)                  | 1990  | 25   | "    | 1680  | ND | 118  | 83-125 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 5.20  |      | "    | 5.00  |    | 104  | 78-129 |  |  |  |

URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland CA, 94607

Project: BP Heritage #11107, San Lorenzo, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MMJ0172  
**Reported:**  
10/21/03 14:49

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

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

**Batch 3J14001 - EPA 5030B P/T**

| <b>Matrix Spike Dup (3J14001-MSD1)</b>  | <b>Source: MMJ0086-01</b> |      |          | <b>Prepared &amp; Analyzed: 10/14/03</b> |    |            |               |       |    |  |
|---|---------------------------|------|----------|--|----|------------|---------------|-------|----|--|
| Gasoline Range Organics (C6-C10)        | 20500                     | 2500 | ug/l     | 22000                                    | ND | 93.2       | 70-113        | 1.97  | 9  |  |
| Methyl tert-butyl ether                 | 400                       | 25   | "        | 504                                      | ND | 79.4       | 63-137        | 0.753 | 13 |  |
| Benzene                                 | 260                       | 25   | "        | 324                                      | ND | 80.2       | 78-124        | 0.384 | 12 |  |
| Toluene                                 | 1690                      | 25   | "        | 1480                                     | ND | 114        | 78-129        | 2.40  | 10 |  |
| Ethylbenzene                            | 386                       | 25   | "        | 360                                      | ND | 107        | 84-117        | 3.69  | 10 |  |
| Xylenes (total)                         | 2070                      | 25   | "        | 1680                                     | ND | 123        | 83-125        | 3.94  | 11 |  |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>5.00</i>               |      | <i>"</i> | <i>5.00</i>                              |    | <i>100</i> | <i>78-129</i> |       |    |  |



URS Corporation [Arco]  
500 12th Street, Suite 200  
Oakland CA, 94607

Project: BP Heritage #11107, San Lorenzo, CA  
Project Number: N/P  
Project Manager: Leonard Niles

MMJ0172  
**Reported:**  
10/21/03 14:49

### Notes and Definitions

O-09 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

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 1107 GWM

BP/BUGEM CO Portfolio Retail

MMJ0172

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 10/1/03

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

On-site Time: 1300 Temp: 65  
 Off-site Time: 1530 Temp: 65  
 Sky Conditions: cloudy  
 Meteorological Events:  
 Wind Speed: Direction:

|  |  |   |
|--|--|---|
| Send To:   | BP/GEM Facility No.: <u>11107</u>                                | Consultant/Contractor: <u>URS</u>                               |
| Lab Name: <u>SEQUOIA</u>   | BP/GEM Facility Address: <u>18501 HESPERIAN, SAN LORENZO, CA</u> | Address: <u>500 12th St, Ste. 200</u>                           |
| Lab Address: <u>885 Jarvis Dr.</u><br><u>Morgan Hill, CA 95037</u> | Site ID No. <u>11107</u>   | <u>Oakland, CA 94609-4014</u>                                   |
| Lab PM: <u>Theresa Allen</u>                                       | Site Lat/Long:   | e-mail EDI: <u>donna.casper@URSCorp.com</u>                     |
| Tele/Fax: <u>408-776-9600 / 408-782-0308</u>                       | California Global ID #: <u>T0600101665</u>                       | Consultant/Contractor Project No.:                              |
| Report Type & QC Level: <u>1 Send EDI Reports</u>                  | BP/GEM PM Contact: <u>PAUL SUPPLE</u>                            | Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>           |
| BP/GEM Account No.: <u>400-6-21124</u>                             | Address: <u>P.O. Box 6549</u><br><u>Moraga, CA 94570</u>         | Consultant/Contractor PM: <u>Leonard Miles</u>                  |
| Lab Bottle Order No.:  | Tele/Fax: <u>925-299-8801/925-290-8872</u>                       | Invoice to: Consultant/Contractor of <u>BP/GEM</u> (circle one) |
|  |  | BP/GEM Work Release No.:  |

| Item No. | Sample Description | Time | Matrix     |              |           |     | Laboratory No. | No. of containers | Preservatives |                                |                  | Requested Analysis |                     |              |             |             |                         |                 | Sample Point Lat/Long and Comments |
|----------|--------------------|------|------------|--------------|-----------|-----|----------------|-------------------|---------------|--------------------------------|------------------|--------------------|---------------------|--------------|-------------|-------------|-------------------------|-----------------|------------------------------------|
|          |                    |      | Soil/Solid | Water/Liquid | Sediments | Air |                |                   | Unpreserved   | H <sub>2</sub> SO <sub>4</sub> | HNO <sub>3</sub> | HCl                | TPH-G / BTEX (8260) | TPH-D (8015) | MTBE (8261) | MTBE (8260) | MTBE, TAME, ETBE (8260) | DPE, ZBA (8260) |                                    |
| 1        | MW-4               | 1510 |            | ✓            |           |     | 9              |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 2        | MW-5               | 1450 |            | ✓            |           |     | 3              |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 3        | MW-6               | 1425 |            | ✓            |           |     | 3              |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 4        | trip blank         |      |            | ✓            |           |     | 3              |                   |               |                                |                  |                    |                     |              |             |             |                         |                 | on hold                            |
| 5        |                    |      |            |              |           |     |                |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 6        |                    |      |            |              |           |     |                |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 7        |                    |      |            |              |           |     |                |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 8        |                    |      |            |              |           |     |                |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 9        |                    |      |            |              |           |     |                |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |
| 10       |                    |      |            |              |           |     |                |                   |               |                                |                  |                    |                     |              |             |             |                         |                 |                                    |

|   |   |                      |                   |   |                      |                   |
|---|---|----------------------|-------------------|---|----------------------|-------------------|
| Sampler's Name: <u>John DeJong</u>            | Relinquished By / Affiliation: <u>[Signature]</u> | Date: <u>10/2/03</u> | Time: <u>1240</u> | Accepted By / Affiliation: <u>[Signature]</u> | Date: <u>10/2/03</u> | Time: <u>1240</u> |
| Sampler's Company: <u>Blair Tech Services</u> | <u>[Signature]</u>                                | <u>10/2/03</u>       | <u>1705</u>       | <u>Anders Jensen</u>                          | <u>10/2/03</u>       | <u>1705</u>       |
| Shipment Date:                                |   |                      |                   |   |                      |                   |
| Shipping Method:                              |   |                      |                   |   |                      |                   |
| Tracking No.:                                 |   |                      |                   |   |                      |                   |

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

Temperature Blank Yes  No

Cooler Temperature on Receipt 4.0°C (40°F)

Trin Blank Yes  No

## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS  
 REC. BY (PRINT): AJ  
 WORKORDER: MH30172

DATE REC'D AT LAB: 10-2-03  
 TIME REC'D AT LAB: 1705  
 DATE LOGGED IN: 10-7-03

Drinking water for regulatory purposes: YES  NO   
 Wastewater for regulatory purposes: YES  NO

| CIRCLE THE APPROPRIATE RESPONSE   | LAB SAMPLE # | DASII # | CLIENT ID  | CONTAINER DESCRIPTION | PRESERVATIVE | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|--------------|---------|------------|-----------------------|--------------|---------------|--------------|---------------------------|
| 1. Custody Seal(s) <input checked="" type="radio"/> Present <input type="radio"/> Absent<br><input checked="" type="radio"/> Intact <input type="radio"/> Broken* |              |         | MW-4       | (3) vials             | HCl          | L             | 10-7-03      | lot # 1A 324 8080         |
| 2. Chain-of-Custody <input checked="" type="radio"/> Present <input type="radio"/> Absent*  |              |         | MW-5       | ↓                     | ↓            | ↓             | ↓            |                           |
| 3. Traffic Reports or Packing List: <input type="radio"/> Present <input checked="" type="radio"/> Absent   |              |         | MW-6       | (2) vials             | ↓            | ↓             | ↓            |                           |
| 4. Airbill: <input type="radio"/> Airbill / Sticker <input checked="" type="radio"/> Present <input type="radio"/> Absent   |              |         | trip blank |                       |              |               |              |                           |
| 5. Airbill #:   |              |         |            |                       |              |               |              |                           |
| 6. Sample Labels: <input checked="" type="radio"/> Present <input type="radio"/> Absent   |              |         |            |                       |              |               |              |                           |
| 7. Sample IDs: <input checked="" type="radio"/> Listed <input type="radio"/> Not Listed on Chain-of-Custody   |              |         |            |                       |              |               |              |                           |
| 8. Sample Condition: <input checked="" type="radio"/> Intact <input type="radio"/> Broken* / <input type="radio"/> Leaking*                                       |              |         |            |                       |              |               |              |                           |
| 9. Does information on custody reports, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes <input type="radio"/> No*                   |              |         |            |                       |              |               |              |                           |
| 10. Sample received within hold time: <input checked="" type="radio"/> Yes <input type="radio"/> No*  |              |         |            |                       |              |               |              |                           |
| 11. Proper Preservatives used: <input checked="" type="radio"/> Yes <input type="radio"/> No*   |              |         |            |                       |              |               |              |                           |
| 12. Temp Rec. at Lab: <u>4.6°C</u><br>Is temp 4 ± 2°C? <input checked="" type="radio"/> Yes <input type="radio"/> No**  |              |         |            |                       |              |               |              |                           |
| <small>(Acceptance range for samples requiring thermal pres.)</small>   |              |         |            |                       |              |               |              |                           |
| <small>**Exception (if any): Metals / DFF (Direct From Field)</small>   |              |         |            |                       |              |               |              |                           |
| <small>***Problem COC</small>   |              |         |            |                       |              |               |              |                           |

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

**ATTACHMENT D**

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

---

## Error Summary Log

10/21/03

EDF 1.2i All files present in deliverable.

---

|                    |  |
|--------------------|--|
| Laboratory:        | Sequoia Analytical Laboratories, Inc., Morgan Hill, CA |
| Project Name:      | BP Heritage #11107, San L                              |
| Work Order Number: | MMJ0172  |
| Global ID:         | T0600101665  |
| Lab Report Number: | MMJ0172102120031449                                    |

# Report Summary

| Labreport      | Sampid        | Labsampid   | Mtrx | QC  | Anmcode | Exmcode | Logdate  | Extdate  | Anadate  | Lablctcl | Run | Sub |
|----------------|---------------|-------------|------|-----|---------|---------|----------|----------|----------|----------|-----|-----|
| MMJ01721021200 | MW-4<br>31449 | MMJ017201   | W    | CS  | 8260TPH | SW5030B | 10/01/03 | 10/14/03 | 10/15/03 | 3J14001  | 1   |     |
| MMJ01721021200 | MW-5<br>31449 | MMJ017202   | W    | CS  | 8260TPH | SW5030B | 10/01/03 | 10/14/03 | 10/15/03 | 3J14001  | 1   |     |
| MMJ01721021200 | MW-6<br>31449 | MMJ017203   | W    | CS  | 8260TPH | SW5030B | 10/01/03 | 10/14/03 | 10/15/03 | 3J14001  | 1   |     |
|                |               | MMJ008601   | W    | NC  | 8260TPH | SW5030B | //       | 10/14/03 | 10/14/03 | 3J14001  | 1   |     |
|                |               | 3J14001BSD1 | WQ   | BD1 | 8260TPH | SW5030B | //       | 10/14/03 | 10/15/03 | 3J14001  | 1   |     |
|                |               | 3J14001BSD2 | WQ   | BD2 | 8260TPH | SW5030B | //       | 10/14/03 | 10/15/03 | 3J14001  | 1   |     |
|                |               | 3J14001BS1  | WQ   | BS1 | 8260TPH | SW5030B | //       | 10/14/03 | 10/14/03 | 3J14001  | 1   |     |
|                |               | 3J14001BS2  | WQ   | BS2 | 8260TPH | SW5030B | //       | 10/14/03 | 10/14/03 | 3J14001  | 1   |     |
|                |               | 3J14001BLK1 | WQ   | LB1 | 8260TPH | SW5030B | //       | 10/14/03 | 10/14/03 | 3J14001  | 1   |     |
|                |               | 3J14001MS1  | W    | MS1 | 8260TPH | SW5030B | //       | 10/14/03 | 10/14/03 | 3J14001  | 1   |     |
|                |               | 3J14001MSD1 | W    | SD1 | 8260TPH | SW5030B | //       | 10/14/03 | 10/14/03 | 3J14001  | 1   |     |



# EDFSAMP: Error Summary Log

10/21/03

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

# EDFTEST: Error Summary Log

10/21/03

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

# EDFRES: Error Summary Log

10/21/03

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

# EDFQC: Error Summary Log

10/21/03

| Error type                             | Labiqtcl | Anmcode | Parlabel | Qccode | Labqid |
|--|----------|---------|----------|--------|--------|
| There are no errors in this data files |          |         |          |        |        |

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## EDFCL: Error Summary Log

10/21/03

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| Error type                            | Clredate | Anmcode | Exmcode | Parlabel | Clcode |
|---------------------------------------|----------|---------|---------|----------|--------|
| There are no errors in this data file | 11       |         |         |          |        |

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## UPLOADING A GEO\_WELL FILE

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

**Submittal Title:** Fourth Quarter 03 Geowell for site #11107  
**Submittal Date/Time:** 10/21/2003 4:05:08 PM  
**Confirmation Number:** 3923527359

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Your EDF file has been successfully uploaded!

**Confirmation Number:** 1682314813

**Date/Time of Submittal:** 10/21/2003 4:09:07 PM

**Facility Global ID:** T0600101665

**Facility Name:** BP

**Submittal Title:** Fourth Quarter 03 Ground Water Monitoring site #11107

**Submittal Type:** GW Monitoring Report

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