RO-309

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SOLID MEDICAL WASTE MANAGEMENT
COUNTY OF ALAMEDA

December 19, 2003

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd floor
Alameda, CA 94502

**Re: Fourth Quarter 2003 Groundwater Monitoring Report**
**ARCO Service Station #0601**
**712 Lewelling Boulevard**
**San Leandro, California**
**URS Project #38486313**

Dear Ms. chu:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *Fourth Quarter 2003 Groundwater Monitoring Report* for the ARCO Service Station #0601, located at 712 Lewelling Boulevard, San Leandro, California.

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

Sincerely,

**URS CORPORATION**

Scott Robinson
Project Manager

James F. Durkin, C.Hg.
Senior Geologist

REGISTERED GEOLOGIST
JAMES F. DURKIN
No. 759
CERTIFIED HYDROGEOLOGIST
Exp. 2/29/05
STATE OF CALIFORNIA

Enclosure: Fourth Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Mr. Mike Bakaldin, City of San Leandro, Environmental Services Division, 835 East 14th Street, San Leandro, CA 94577

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268

Atlantic Richfield Company
(a BP affiliated company)

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

December 19, 2003

RE: Fourth Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, CA
URS Project #38486313

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

Submitted by:

Paul Supple
Environmental Business Manager

**REPORT**

# FOURTH QUARTER 2003 GROUNDWATER MONITORING

## ARCO SERVICE STATION #0601
## 712 LEWELLING BOULEVARD
## SAN LEANDRO, CALIFORNIA

*Prepared for*
Atlantic Richfield Company

December 19, 2003

URS
URS Corporation
500 12th Street, Suite 200
Oakland, California 94607

38486313

URS

Date: December 19, 2003
Quarter: 4Q 03

## ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

| | | | |
|---|---|---|---|
| Facility No.: | 0601 | Address: | 712 Lewelling Boulevard, San Leandro, CA |
| ARCO Environmental Business Manager: | | | Paul Supple |
| Consulting Co./Contact Person: | | | URS Corporation / Scott Robinson |
| Consultant Project No.: | | | 38486313 |
| Primary Agency: | | | Alameda County Health Care Services Agency (ACHCSA) |

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

1. Performed fourth quarter 2003 groundwater monitoring event on October 23, 2003.
2. Prepared and submitted fourth quarter 2003 groundwater monitoring report.
3. Replace Oxygen Releasing Compound (ORC) socks in wells MW-2, MW-3, MW-5 and MW-8 on October 23, 2003.

**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: | Annual (3rd Quarter): MW-2, MW-9, MW-11, MW-12, MW-13 and MW-15<br>Semi-Annual (1st/3rd Quarter) MW-10 and MW-14<br>Quarterly: MW-1, MW-3 through MW-8 |
| Frequency of Groundwater Monitoring: | Quarterly |
| Is Free Product (FP) Present On-Site: | No |
| FP Recovered this Quarter: | None |
| Cumulative FP Recovered to Date: | 3.45 gallons, Well MW-1 |
| Bulk Soil Removed This Quarter: | None |
| Bulk Soil Removed to Date: | 1,565 cubic yards of TPH impacted soil |
| Current Remediation Techniques: | Natural Attenuation / ORC: MW-2, MW-3, MW-5, and MW-8 |
| Approximate Depth to Groundwater: | 6.56 (MW-15) to 10.04 (MW-14) feet |
| Groundwater Gradient (direction): | Southeast |
| Groundwater Gradient (magnitude): | 0.047 feet per foot |

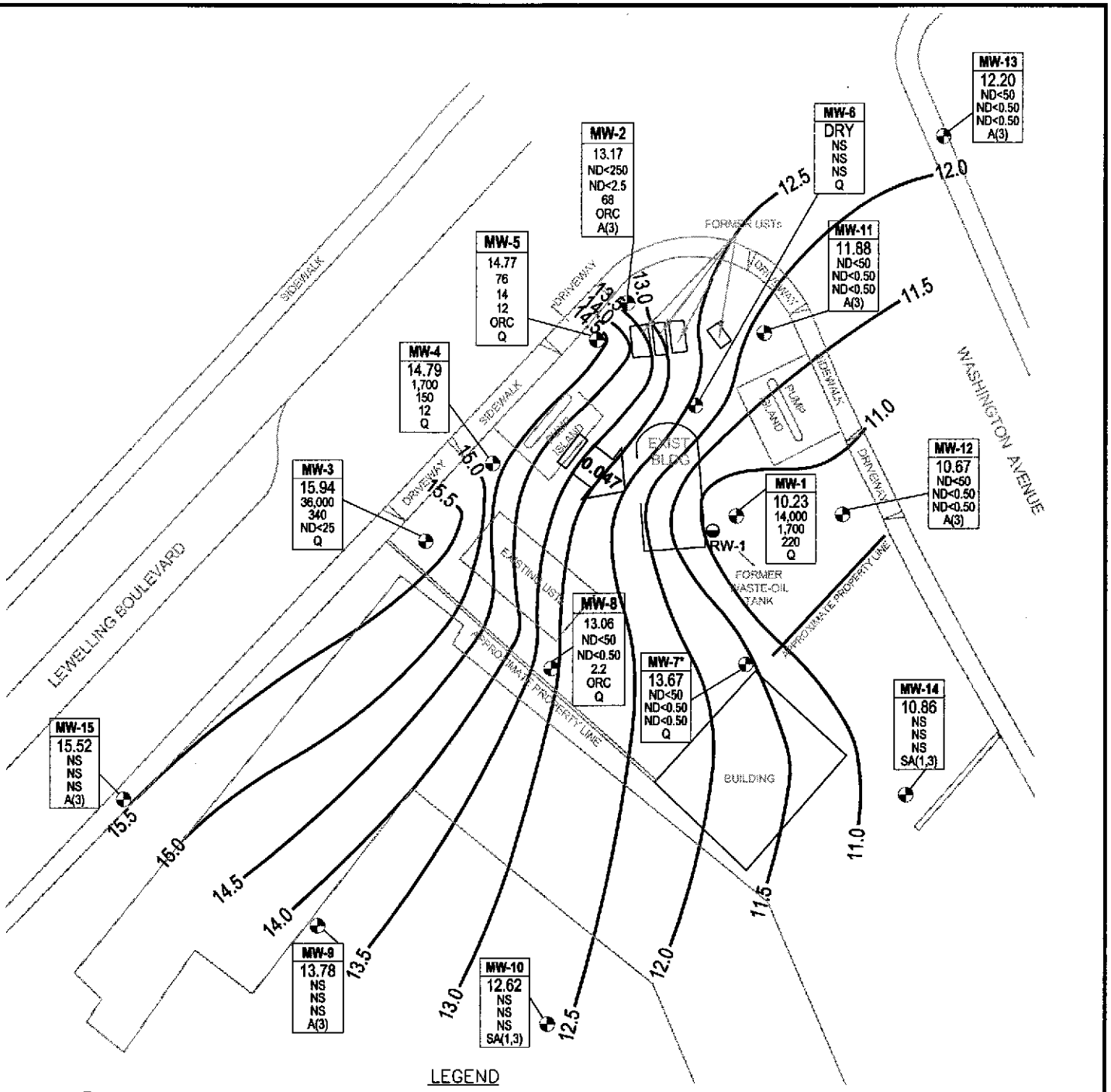
URS

**DISCUSSION:**

Wells MW-2, MW-11, MW-12 and MW-13 were accidentally sampled this quarter due to mis-communication with the sampling technician. The eight groundwater samples collected this quarter were analyzed by EPA method 8260B for TPH-g, BTEX, and fuel oxygenates. TPH-g was detected above laboratory reporting limits in four of the ten wells sampled at concentrations ranging from 76 micrograms per liter (µg/L) (MW-5) to 36,000 µg/L (MW-3). Benzene was detected above laboratory reporting limits in four wells at concentrations ranging from 14 µg/L (MW-5) to 1,700 µg/L (MW-1). MTBE was detected above laboratory reporting limits in five wells at concentrations ranging from 2.2 µg/L (MW-8) to 220 µg/L (MW-1). Well MW-1 was analyzed for semivolatile organic compounds (SVOCs) by EPA method 8270. The sample collected from MW-1 contained 2-Methylnaphthalene and Naphthalene detected at concentrations of 370 µg/L and 1,100 µg/L, respectively. MW-6 was not sampled because the well was dry.

**ATTACHMENTS:**

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – October 23, 2003
- Figure 2 – TPH-g Isoconcentration Map – October 23, 2003
- Figure 3 – Benzene Isoconcentration Map – October 23, 2003
- Figure 4 – MTBE Isoconcentration Map – October 23, 2003
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Table 4 – Volatile and Semivolatile Organic Compounds Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation




LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 13.0 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
- 0.045 APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

| Well |
|---|
| ELEV |
| TPH-g |
| Benzene |
| MTBE |
| A or Q |

- WELL DESIGNATION
- GROUNDWATER ELEVATION (FEET ABOVE MSL)
- TPH-g, BENZENE & MTBE CONCENTRATIONS (µg/L)
- SAMPLING FREQUENCY
- * DATA NOT USED FOR CONTOURING
- ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS NOT SAMPLED
- ORC OXYGEN RELEASING COMPOUND SOCK IN WELL
- A(3) SAMPLED ANNUALLY DURING 3RD QUARTER
- SA(3) SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS
- Q SAMPLED QUARTERLY

NORTH

0 60 120

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

| | | | |
|---|---|---|---|
| URS | Project No. 38486313<br>Arco Service Station 0601<br>712 Lewelling Boulevard<br>San Leandro, California | GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP<br>Fourth Quarter 2003 (October 23, 2003) | FIGURE<br>1 |

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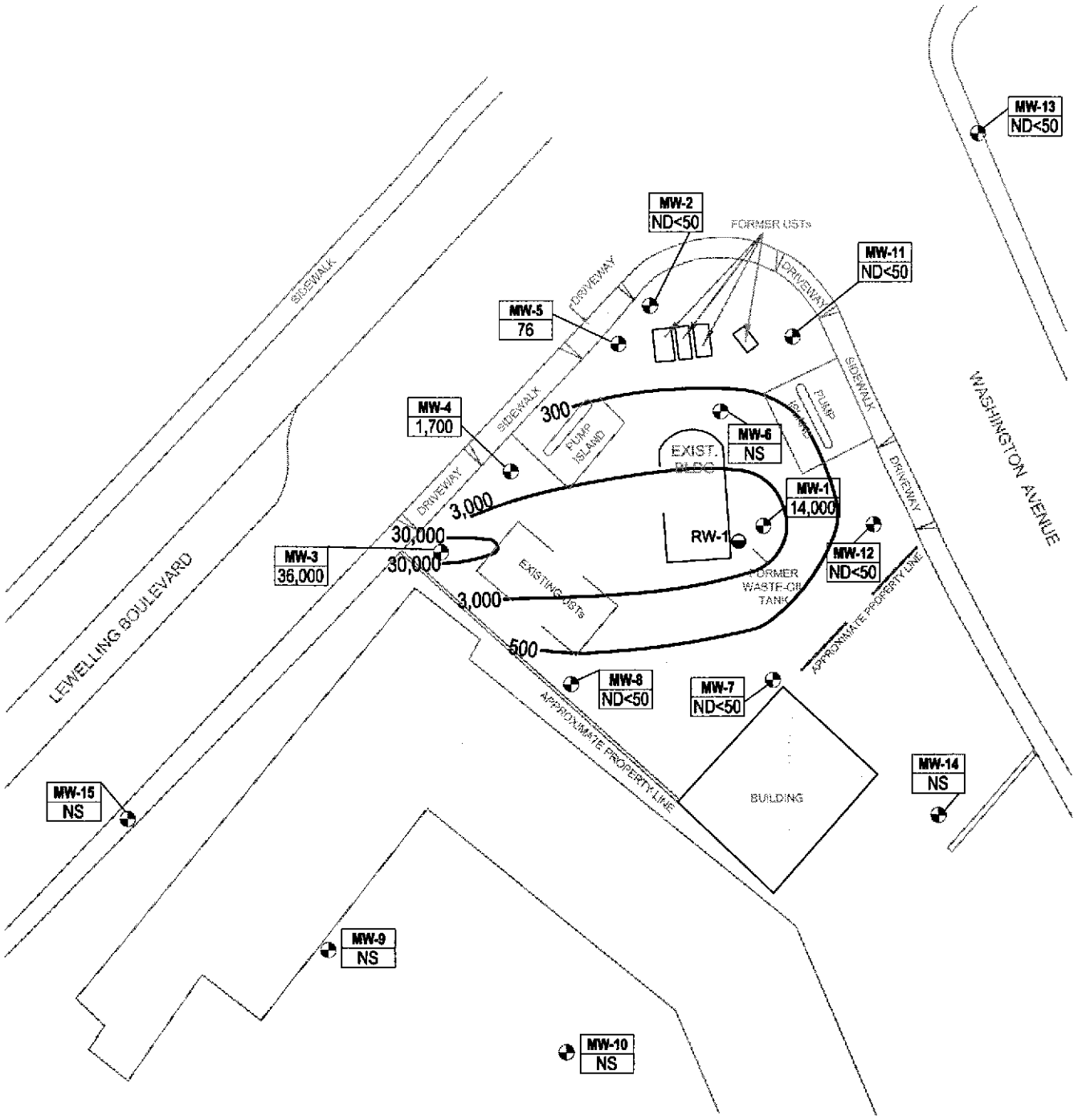



LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 300 — TPH-g ISOCONCENTRATION CONTOUR (µg/L)
- Well / TPH-g — WELL DESIGNATION / TPH-g CONCENTRATION (µg/L)
- ND< — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS — NOT SAMPLED

NORTH

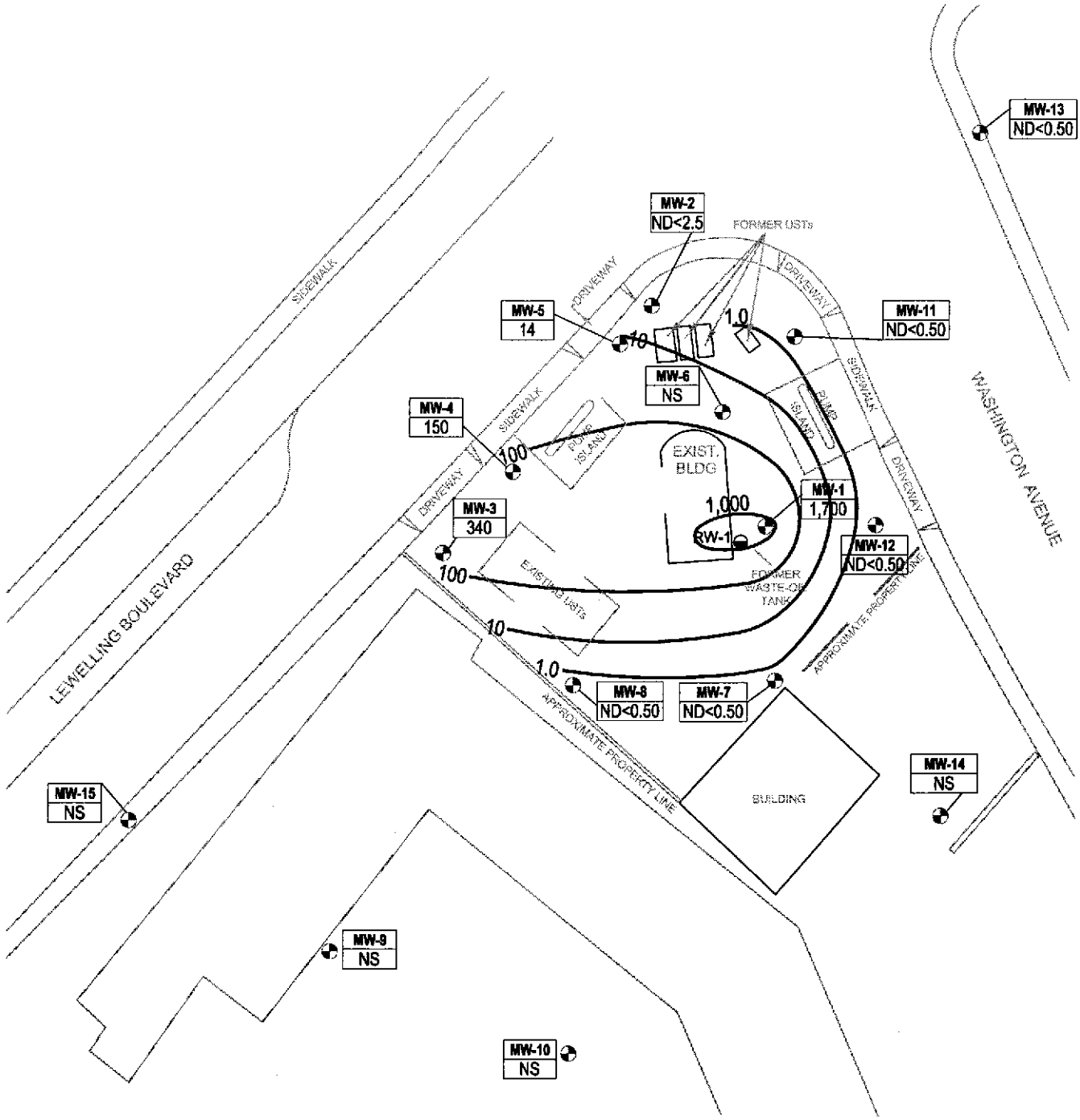
0 60 120

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

| | | | |
|---|---|---|---|
| URS | Project No. 38486313<br>Arco Service Station 0601<br>712 Lewelling Boulevard<br>San Leandro, California | TPH-g ISOCONCENTRATION MAP<br>Fourth Quarter 2003 (October 23, 2003) | FIGURE<br>2 |

X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\0601\Monitoring\Qtr. 4, 2003\Drawings\2_TPHG 10-23.dwg, 12/17/2003 02:53:13 PM, JKMT, URS




LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 100 — BENZENE ISOCONCENTRATION CONTOUR (µg/L)
- Well / Benzene — WELL DESIGNATION / BENZENE CONCENTRATION (µg/L)
- ND< — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS — NOT SAMPLED

NORTH

0 60 120

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

| | | | |
|---|---|---|---|
| URS | Project No. 38486313<br>Arco Service Station 0601<br>712 Lewelling Boulevard<br>San Leandro, California | BENZENE ISOCONCENTRATION MAP<br>Fourth Quarter 2003 (October 23, 2003) | FIGURE<br>3 |

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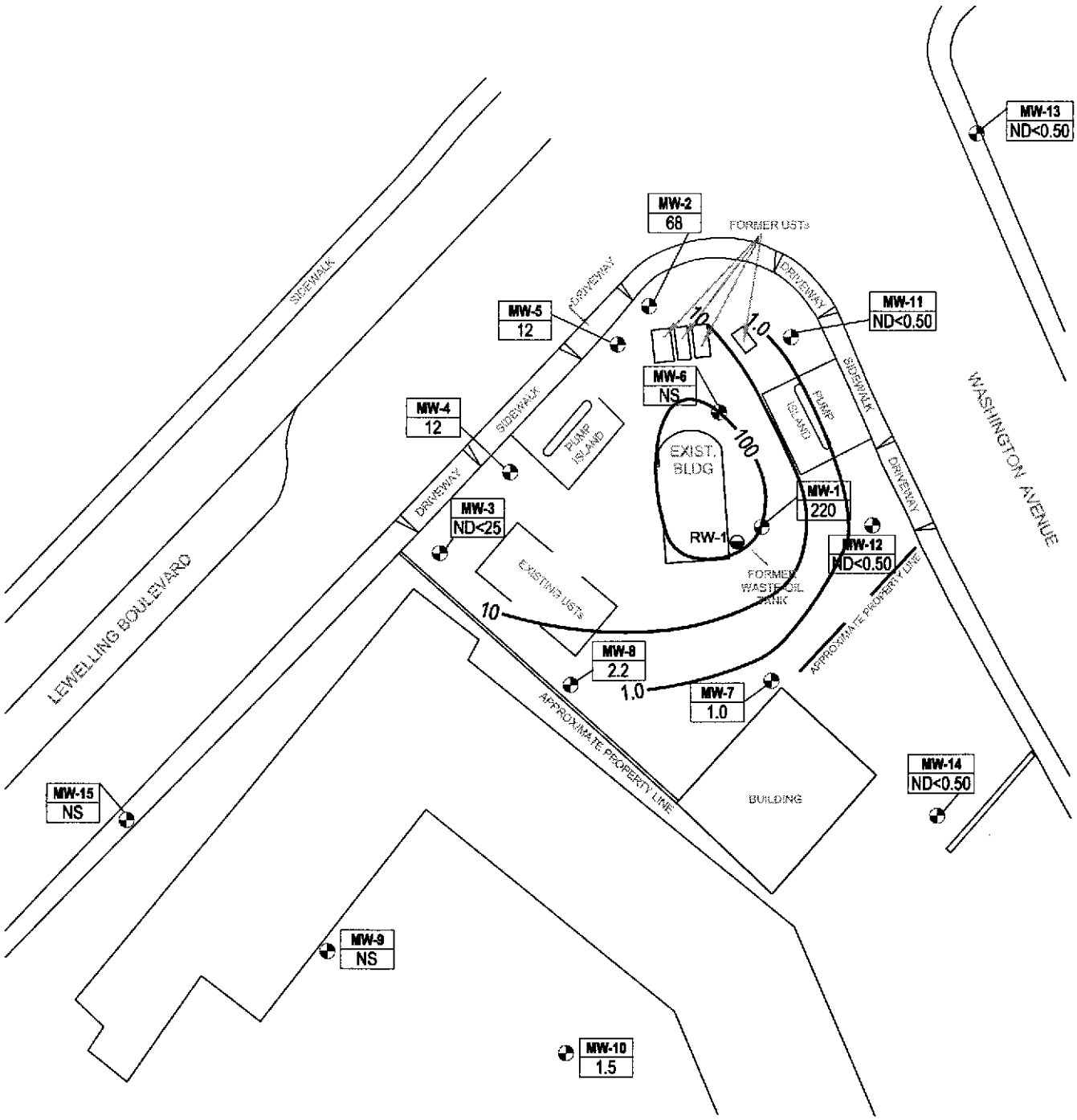


LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 10 — MTBE ISOCONCENTRATION CONTOUR (µg/L)
- Well / MTBE — WELL DESIGNATION / MTBE CONCENTRATION (µg/L)
- ND< — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS — NOT SAMPLED

NORTH

0 60 120

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

| | | | |
|---|---|---|---|
| URS | Project No. 38486313<br>Arco Service Station 0601<br>712 Lewelling Boulevard<br>San Leandro, California | MTBE ISOCONCENTRATION MAP<br>Fourth Quarter 2003 (October 23, 2003) | FIGURE<br>4 |

X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\0601\Monitoring\Qtr. 4, 2003\Drawings\4. MTBE 10-23.dwg, 12/17/2003 03:38:15 PM, JKMT, URS

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 07/18/90 | | 22.98 | 9.03 | 13.95 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 10/15/90 | | | 9.85 | 13.13(i) | Not sampled: well contained 0.25 feet of floating product | | | | | | | | | | |
| MW-1 | 01/09/91 | | | 9.47 | 13.51(i) | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-1 | 04/16/91 | | | 6.12 | 16.86 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 06/10/91 | | 22.26 | 9.00 | 13.26 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 10/10/91 | | | 9.73 | 12.53(i) | Not sampled: well contained 0.04 feet of floating product | | | | | | | | | | |
| MW-1 | 03/23/92 | | | 7.40 | 14.86 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 06/08/92 | | | 9.08 | 13.18(i) | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-1 | 09/15/92 | | | 9.18 | 14.08 | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-1 | 11/16/92 | | | 9.09 | 13.17(i) | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-1 | 02/16/93 | | | 7.03 | 15.23(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-1 | 05/13/93 | | | 8.08 | 14.18(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-1 | 08/17/93 | | | 8.81 | 13.45(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-1 | 11/08/93 | | | 9.22 | 13.04(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-1 | 02/14/94 | | | 7.72 | 14.54 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 05/05/94 | | | 8.47 | 13.79 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 08/04/94 | | | 8.72 | 13.54 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 11/20/94 | | | 7.81 | 14.45 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-1 | 03/17/95 | | | 6.57 | 15.69 | 120,000 | 5,300 | 370 | 1,500 | 13,000 | NA | NA | NA | NA | NA | NA |
| MW-1 | 06/01/95 | | | 7.87 | 14.39 | 250,000 | 7,100 | 950 | 3,500 | 21,000 | NA | NA | NA | NA | NA | NA |
| MW-1 | 08/31/95 | | | 8.12 | 14.15(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-1 | 11/27/95 | | | 8.42 | 13.84 | 310,000 | 4,600 | 770 | 5,700 | 21,000 | NA | NA | NA | NA | NA | NA |
| MW-1 | 02/22/96 | | | 6.01 | 16.25 | 100,000 | 6,200 | 320 | 2,500 | 12,000 | ND<1,000(j) | NA | NA | NA | NA | NA |
| MW-1 | 05/20/96 | | | 7.03 | 15.23 | 340,000 | 6,600 | 240 | 4,500 | 22,000 | ND<1,000 | NA | NA | NA | NA | NA |
| MW-1 | 08/26/96 | | | 8.16 | 14.10 | 210,000 | 7,900 | 320 | 3,400 | 15,000 | ND<1,000 | NA | NA | NA | NA | NA |
| MW-1 | 11/20/96 | | | 7.84 | 14.42 | 62,000 | 5,900 | 77 | 2,000 | 7,700 | ND<300 | NA | NA | NA | NA | NA |
| MW-1 | 03/24/97 | | 19.19 | 8.05 | 11.14 | 170,000 | 6,500 | ND<200 | 2,400 | 9,900 | ND<1,000 | NA | NA | NA | NA | NA |
| MW-1 | 05/23/97 | | | 8.42 | 10.77 | 83,000 | 6,200 | 84 | 2,500 | 9,000 | ND<300 | NA | NA | NA | NA | NA |
| MW-1 | 08/19/97 | | | 8.65 | 10.54 | 83,000 | 4,500 | ND<100 | 2,200 | 8,100 | ND<600 | NA | NA | NA | NA | NA |
| MW-1 | 11/19/97 | | | 8.54 | 10.65 | 250,000 | 4,400 | ND<500 | 3,800 | 9,900 | ND<3,000 | NA | NA | NA | NA | NA |
| MW-1 | 02/19/98 | | | 5.57 | 13.62 | 74,000 | 2,500 | 120 | 2,200 | 4,100 | ND<300 | NA | NA | NA | NA | NA |
| MW-1 | 04/23/98 | | | 6.92 | 12.27 | 210,000 | 2,700 | ND<500 | 4,200 | 8,300 | ND<3,000 | NA | NA | NA | 1.5 | NA |
| MW-1 | 07/27/98 | | | 8.14 | 11.05 | 73,000 | 2,100 | 88 | 2,600 | 4,600 | ND<300 | NA | NA | NA | 1.0 | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 10/14/98 | | | 8.58 | 10.61 | 47,000 | 2,900 | ND<500 | 2,300 | 3,900 | ND<300 | NA | NA | NA | 1.5 | NA |
| MW-1 | 01/21/99 | | | 7.48 | 11.71 | 45,000 | 1,400 | 64 | 2,100 | 2,400 | ND<300 | NA | NA | NA | 1.0 | NA |
| MW-1 | 05/06/99 | | | 8.00 | 11.19 | 41,000 | 1,900 | ND<20 | 2,800 | 3,400 | ND<120 | NA | NA | NA | 0.85 | NA |
| MW-1 | 08/23/99 | | | 8.56 | 10.63 | 26,000 | 1,700 | 52 | 1,600 | 1,500 | ND<75 | NA | NA | NA | 0.72 | NA |
| MW-1 | 10/28/99 | | | 8.92 | 10.27 | 38,000 | 2,500 | 35 | 2,400 | 2,500 | ND<200 | NA | NA | NA | 0.70 | NA |
| MW-1 | 02/04/00 | | | 8.48 | 10.71 | 19,000 | 960 | 13 | 1,200 | 860 | ND<60 | NA | NA | NA | 2.11 | NA |
| MW-1 | 06/20/00 | | | 8.20 | 10.99 | 23,000 | 2,400 | 50 | 1,800 | 680 | ND<200 | NA | NA | NA | NA | NA |
| MW-1 | 09/29/00 | | | 8.55 | 10.64 | 23,600 | 2,880 | ND<50 | 2,130 | 871 | ND<250 | NA | NA | 430(a);1,100(b) | NA | NA |
| MW-1 | 12/17/00 | | | 8.28 | 10.91 | 21,600 | 1,980 | ND<50 | 1,610 | 664 | ND<250 | NA | NA | 270(a);900(b) | NA | NA |
| MW-1 | 03/28/01 | | | 8.13 | 11.06 | 19,800 | 2,310 | ND<100 | 2,010 | 517 | ND<500 | NA | NA | 11( c) | NA | NA |
| MW-1 | 06/20/01 | | | 8.60 | 10.59 | 17,000 | 2,200 | 23 | 1,800 | 320 | 100 | NA | NA | NA | NA | NA |
| MW-1 | 09/22/01 | | | 9.03 | 10.16 | 20,000 | 2,900 | ND<200 | 2,500 | 270 | ND<1000 | NA | NA | 360(a); 980(b) | NA | NA |
| MW-1 | 12/27/01 | | | 7.93 | 11.26 | 15,000 | 2,000 | ND<50 | 1,700 | 140 | 290 | NA | NA | 370(a);1,200(b) | NA | NA |
| MW-1 | 03/15/02 | | | 7.89 | 11.30 | 12,000 | 1,800 | ND<50 | 1,400 | 79 | ND<250 | NA | NA | 220(a); 880(b) | NA | NA |
| MW-1 | 04/18/02 | | | 7.05 | 12.14 | 16,000 | 3,000 | 180 | 2,600 | 320 | ND<250 | NA | NA | 250(a); 880(b) | 1.26 | NA |
| MW-1 | 07/23/02 | NP | | 8.7 | 10.49 | 14,000(e) | 3,200 | ND<50 | 2,100 | ND<50 | ND<250 | NA | NA | 470(a);1,100(b) | 0.9 | 6.8 |
| MW-1 | 10/16/02 | NP | | 9.12 | 10.07 | 14,000(d) | 2,100 | ND<25 | 2,000 | 31 | ND<120 | NA | NA | 490(a);1,500(b) | 0.8 | 7.1 |
| MW-1 | 01/23/03(g) | NP | | 7.45 | 11.74 | 6,000 | 680 | ND<50 | 800 | ND<50 | ND<50 | NA | NA | 250(a);800(b);75(f) | 0.9 | 6.8 |
| MW-1 | 04/07/03 | NP | | 7.68 | 11.51 | 6,400 | 940 | 6.6 | 810 | 11 | 69 | NA | NA | 260(a);700(b) | 1.1 | 6.9 |
| MW-1 | 08/07/03 | NP | sheen | 8.75 | 10.44 | 12,000 | 1,500 | 27 | 1,700 | 42 | 160 | NA | NA | 360(a);1,100(b) | NA (k) | 6.4 |
| **MW-1** | **10/23/03** | **NP** | | **8.96** | **10.23** | **14,000** | **1,700** | **ND<25** | **1,600** | **ND<25** | **220** | **NA** | **NA** | **370(a);1,100(b)** | **0.7** | **6.8** |
| MW-2 | 07/18/90 | | 22.06 | 7.86 | 14.20 | 35,000 | 3,800 | 2,900 | 690 | 3,600 | NA | NA | NA | NA | NA | NA |
| MW-2 | 10/15/90 | | | 8.61 | 13.45 | 6,400 | 650 | 290 | 110 | 560 | NA | NA | NA | NA | NA | NA |
| MW-2 | 01/09/91 | | | 8.43 | 13.63 | 13,000 | 1,500 | 970 | 390 | 1,500 | NA | NA | NA | NA | NA | NA |
| MW-2 | 04/16/91 | | | 6.97 | 15.09 | 54,000 | 5,200 | 9,000 | 1,500 | 7,700 | NA | NA | NA | NA | NA | NA |
| MW-2 | 06/10/91 | | 21.33 | 7.91 | 13.42 | 26,000 | 3,000 | 2,500 | 880 | 4,200 | NA | NA | NA | NA | NA | NA |
| MW-2 | 10/10/91 | | | 8.82 | 12.51 | 10,000 | 1,600 | 910 | 280 | 1,400 | NA | NA | NA | NA | NA | NA |
| MW-2 | 03/23/92 | | | 6.86 | 14.47 | 33,000 | 4,100 | 5,000 | 1,100 | 5,300 | NA | NA | NA | NA | NA | NA |
| MW-2 | 06/08/92 | | | 7.95 | 13.38 | 18,000 | 1,200 | 980 | 330 | 1,800 | NA | NA | NA | NA | NA | NA |
| MW-2 | 09/15/92 | | | 8.71 | 12.62 | 13,000 | 430 | 500 | 340 | 1,800 | NA | NA | NA | NA | NA | NA |
| MW-2 | 11/16/92 | | | 7.93 | 13.40 | 13,000 | 900 | 940 | 300 | 1,400 | NA | NA | NA | NA | NA | NA |
| MW-2 | 02/16/93 | | | 6.02 | 15.31 | 20,000 | 1,800 | 1,200 | 530 | 2,700 | NA | NA | NA | NA | NA | NA |
| MW-2 | 05/13/93 | | | 6.99 | 14.34 | 13,000 | 1,000 | 470 | 370 | 1,900 | NA | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (I) (mg/L) | pH (I) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 08/17/93 | | | 7.85 | 13.48 | 9,100 | 770 | 160 | 310 | 1,500 | NA | NA | NA | NA | NA | NA |
| MW-2 | 11/08/93 | | | 8.12 | 13.21 | 9,200 | 380 | 62 | 130 | 630 | NA | NA | NA | NA | NA | NA |
| MW-2 | 02/14/94 | | | 6.88 | 14.45 | 8,700 | 670 | 370 | 50 | 1,400 | NA | NA | NA | NA | NA | NA |
| MW-2 | 05/05/94 | | | 7.51 | 13.82 | 5,600 | 390 | 140 | 120 | 480 | NA | NA | NA | NA | NA | NA |
| MW-2 | 08/04/94 | | | 8.00 | 13.33 | 2,300 | 180 | ND<2.5* | ND<2.5* | 230 | NA | NA | NA | NA | NA | NA |
| MW-2 | 11/20/94 | | | 6.86 | 14.47 | 4,900 | 170 | 150 | 120 | 390 | NA | NA | NA | NA | NA | NA |
| MW-2 | 03/17/95 | | | 6.12 | 15.21 | 10,000 | 460 | 77 | 260 | 550 | NA | NA | NA | NA | NA | NA |
| MW-2 | 06/01/95 | | | 6.56 | 14.77 | 13,000 | 400 | 78 | 210 | 410 | NA | NA | NA | NA | NA | NA |
| MW-2 | 08/31/95 | | | 7.18 | 14.15 | 5,000 | 280 | 18 | 120 | 140 | ND<50 | NA | NA | NA | NA | NA |
| MW-2 | 11/27/95 | | | 7.39 | 13.94 | 3,200 | 230 | 12 | 77 | 90 | NA | NA | NA | NA | NA | NA |
| MW-2 | 02/22/96 | | | 5.78 | 15.55 | 11,000 | 290 | 67 | 190 | 330 | ND<50 | NA | NA | NA | NA | NA |
| MW-2 | 05/20/96 | | | 6.27 | 15.06 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 08/26/96 | | | 7.30 | 14.03 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 11/20/96 | | | 7.28 | 14.05 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 03/24/97 | | 21.12 | 7.11 | 14.01 | 4,800 | 570 | 6 | 71 | 32 | 67 | NA | NA | NA | NA | NA |
| MW-2 | 05/23/97 | | | 7.44 | 13.68 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 08/19/97 | | | 7.64 | 13.48 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 11/19/97 | | | 7.70 | 13.42 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 02/19/98 | | | 5.22 | 15.90 | 2,000 | 160 | 50 | 66 | 230 | 25 | NA | NA | NA | NA | NA |
| MW-2 | 04/23/98 | | | 6.24 | 14.88 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 07/27/98 | | | 7.02 | 14.10 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 10/14/98 | | | 7.54 | 13.58 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 01/21/99 | | | 7.15 | 13.97 | 1,700 | 84 | 4 | 31 | 10 | 13 | NA | NA | NA | 0.5 | NA |
| MW-2 | 05/06/99 | | | 6.95 | 14.17 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 08/23/99 | | | 7.49 | 13.63 | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0.68 | NA |
| MW-2 | 10/28/99 | | | 7.92 | 13.20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 02/04/00 | | | 6.61 | 14.51 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 06/20/00 | | | 7.12 | 14.00 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 09/29/00 | | | 7.60 | 13.52 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 12/17/00 | | | 7.42 | 13.70 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 03/28/01 | | | 6.84 | 14.28 | 838 | 18.1 | ND<5.0 | 7.63 | 5.98 | 39.5 | NA | NA | NA | NA | NA |
| MW-2 | 06/20/01 | | | 7.66 | 13.46 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 09/22/01 | | | 8.08 | 13.04 | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 12/27/01 | | | 6.48 | 14.64 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 03/15/02 | | | 6.84 | 14.28 | 100 | ND<0.5 | ND<0.5 | 2.5 | ND<0.5 | 75 | NA | NA | NA | NA | NA |
| MW-2 | 04/18/02 | | | 6.19 | 14.93 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-2 | 07/23/02 | | | 7.73 | 13.39 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-2 | 10/16/02 | | | 8.10 | 13.02 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-2 | 01/23/03(g) | P | | 6.52 | 14.60 | ND<5,000 | ND<50 | ND<50 | ND<50 | ND<50 | 95 | NA | NA | NA | 1.6 | 7.2 |
| MW-2 | 04/07/03 | | | 7.22 | 13.90 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-2 | 08/07/03 | | | 7.84 | 13.28 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-2** | **10/23/03** | **P** | **(m)** | **7.95** | **13.17** | **ND<250** | **ND<2.5** | **ND<2.5** | **ND<2.5** | **4.2** | **68** | **NA** | **NA** | **NA** | **4.6** | **7.6** |
| MW-3 | 07/18/90 | | 20.84 | 7.03 | 13.81 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| MW-3 | 10/15/90 | | | 8.19 | 12.65(i) | Not sampled: well contained 0.75 feet of floating product | | | | | | | | | | |
| MW-3 | 01/09/91 | | | 7.46 | 13.38(i) | Not sampled: well contained 0.30 feet of floating product | | | | | | | | | | |
| MW-3 | 04/16/91 | | | 7.95 | 12.89 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-3 | 06/10/91 | | 20.11 | 7.14 | 12.97 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-3 | 10/10/91 | | | 7.82 | 12.29(i) | Not sampled: well contained 0.26 feet of floating product | | | | | | | | | | |
| MW-3 | 03/23/92 | | | 5.75 | 14.36 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-3 | 06/08/92 | | | 7.52 | 12.59(i) | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-3 | 09/15/92 | | | 8.01 | 12.10(i) | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-3 | 11/16/92 | | | 7.11 | 13.00 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-3 | 02/16/93 | | | 5.93 | 14.18(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-3 | 05/13/93 | | | 6.37 | 13.74(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-3 | 08/17/93 | | | 7.00 | 13.11(i) | Not sampled: well contained 0.01 feet of floating product | | | | | | | | | | |
| MW-3 | 11/08/93 | | | 7.31 | 12.80 | 430,000 | 4,100 | 14,000 | 6,400 | 37,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 02/14/94 | | | 5.81 | 14.30 | 85,000 | 4,200 | 12,000 | 2,500 | 16,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 05/05/94 | | | 6.81 | 13.30 | 560,000 | 4,600 | 14,000 | 5,300 | 40,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 08/04/94 | | | 7.31 | 12.80 | 64,000 | 4,200 | 7,600 | 1,700 | 12,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 11/20/94 | | | 5.88 | 14.23 | 80,000 | 4,700 | 9,700 | 2,400 | 15,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 03/17/95 | | | 5.46 | 14.65 | 370,000 | 4,800 | 12,000 | 5,800 | 34,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 06/01/95 | | | 6.34 | 13.77 | 270,000 | 6,000 | 11,000 | 5,200 | 28,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 08/31/95 | | | 6.60 | 13.52(i) | Not sampled: well contained 0.02 feet of floating product | | | | | | | | | | |
| MW-3 | 11/27/95 | | | 6.76 | 13.35 | 150,000 | 5,100 | 8,800 | 3,900 | 21,000 | NA | NA | NA | NA | NA | NA |
| MW-3 | 02/22/96 | | | 5.14 | 14.97 | 150,000 | 4,400 | 7,600 | 4,100 | 22,000 | ND<3,000 | NA | NA | NA | NA | NA |
| MW-3 | 05/20/96 | | | 5.17 | 14.94 | 410,000 | 4,700 | 8,000 | 6,300 | 36,000 | ND<3,000 | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 08/26/96 | | | 7.04 | 13.07 | 260,000 | 4,000 | 6,100 | 4,200 | 24,000 | ND<2,000 | NA | NA | NA | NA | NA |
| MW-3 | 11/20/96 | | | 6.26 | 13.85 | 190,000 | 3,200 | 5,800 | 3,300 | 20,000 | ND<1,000 | NA | NA | NA | NA | NA |
| MW-3 | 03/24/97 | | 22.99 | 6.94 | 16.05 | 430,000 | 2,700 | 7,600 | 7,000 | 39,000 | ND<5,000 | NA | NA | NA | NA | NA |
| MW-3 | 05/23/97 | | | 6.98 | 16.01 | 130,000 | 2,100 | 4,300 | 3,500 | 19,000 | ND<700 | NA | NA | NA | NA | NA |
| MW-3 | 08/19/97 | | | 7.25 | 15.74 | 100,000 | 2,000 | 3,200 | ND<100 | 19,000 | ND<600 | NA | NA | NA | NA | NA |
| MW-3 | 11/19/97 | | | 7.25 | 15.74 | 93,000 | 1,700 | 2,400 | 2,800 | 16,000 | ND<600 | NA | NA | NA | NA | NA |
| MW-3 | 02/19/98 | | | 5.24 | 17.75 | 80,000 | 620 | 1,200 | 2,500 | 13,000 | ND<600 | NA | NA | NA | NA | NA |
| MW-3 | 04/23/98 | | | 6.60 | 16.39 | 130,000 | 1,500 | 2,400 | 3,500 | 18,000 | ND<600 | NA | NA | NA | 3.5 | NA |
| MW-3 | 07/27/98 | | | 7.00 | 15.99 | 140,000 | 920 | 1,500 | 2,400 | 13,000 | ND<600 | NA | NA | NA | 1.0 | NA |
| MW-3 | 10/14/98 | | | 7.04 | 15.95 | 300,000 | 1,200 | 2,400 | 5,700 | 32,000 | 970 | NA | NA | NA | 1.0 | NA |
| MW-3 | 01/21/99 | | | 6.50 | 16.49 | 120,000 | 860 | 1,500 | 2,600 | 14,000 | ND<600 | NA | NA | NA | 0.5 | NA |
| MW-3 | 05/06/99 | | | 6.90 | 16.09 | 49,000 | 670 | 1,400 | 2,500 | 11,000 | 170 | NA | NA | NA | 1.03 | NA |
| MW-3 | 08/23/99 | | | 6.53 | 16.46 | 51,000 | 440 | 930 | 2,200 | 9,200 | ND<150 | NA | NA | NA | 0.67 | NA |
| MW-3 | 10/28/99 | | | 7.50 | 15.49 | 1,400,000 | 830 | 4,100 | 15,000 | 78,000 | ND<5,000 | NA | NA | NA | 0.77 | NA |
| MW-3 | 02/04/00 | | | 6.21 | 16.78 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | 650 | NA | NA | NA | 1.61 | NA |
| MW-3 | 06/20/00 | | | 6.22 | 16.77 | 45,000 | 670 | 990 | 2,400 | 12000 | ND<500 | NA | NA | NA | NA | NA |
| MW-3 | 09/29/00 | | | 7.20 | 15.79 | 51,000 | 860 | 1,120 | 2,720 | 12900 | ND<250 | NA | NA | NA | NA | NA |
| MW-3 | 12/17/00 | | | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA | NA |
| MW-3 | 03/28/01 | | | 6.10 | 16.89 | 43,500 | 804 | ND<200 | 250 | 11,000 | ND<1,000 | NA | NA | NA | NA | NA |
| MW-3 | 06/20/01 | | | 6.14 | 16.85 | 62,000 | 1,000 | 850 | 2,800 | 13,000 | ND<2,500 | NA | NA | NA | NA | NA |
| MW-3 | 09/22/01 | | | 7.24 | 15.75 | 53,000 | 1,200 | 1,200 | 3,100 | 13,000 | ND<1,000 | NA | NA | NA | NA | NA |
| MW-3 | 12/27/01 | | | 7.00 | 15.99 | 44,000 | 860 | 840 | 2,300 | 10,000 | ND<250 | NA | NA | NA | NA | NA |
| MW-3 | 03/15/02 | | | 7.02 | 15.97 | 43,000 | 1,000 | 810 | 2,300 | 11,000 | ND<250 | NA | NA | NA | NA | NA |
| MW-3 | 04/18/02 | | | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-3 | 07/23/02 | P | | 7.22 | 15.77 | 45,000(d) | 750 | 570 | 2,100 | 10,000 | ND<250 | NA | NA | NA | 1.0 | 8.0 |
| MW-3 | 10/16/02 | P | | 7.54 | 15.45 | 42,000(d) | 780 | 620 | 2,500 | 11,000 | ND<250 | NA | NA | NA | 1.4 | 7.7 |
| MW-3 | 01/23/03(g) | P | | 6.85 | 16.14 | 68,000 | 580 | 500 | 3,300 | 16,000 | ND<100 | NA | NA | NA | 1.3 | 7.0 |
| MW-3 | 04/07/03 | P | | 7.05 | 15.94 | 48,000 | 620 | 450 | 2,200 | 11,000 | ND<50 | NA | NA | NA | 1.4 | 6.9 |
| MW-3 | 08/07/03 | P | (m) | 6.89 | 16.10 | 35,000 | 360 | 250 | 1,700 | 8,100 | ND<100 | NA | NA | NA | 2.4 | 8.9 |
| **MW-3** | **10/23/03** | **P** | **(m)** | **7.05** | **15.94** | **36,000** | **340** | **250** | **1,700** | **8,300** | **ND<25** | **NA** | **NA** | **NA** | **1.0** | **7.2** |
| MW-4 | 06/10/91 | | 20.75 | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 10/10/91 | | | DRY | DRY | 15,000 | 5,300 | 1,500 | 470 | 1,300 | NA | NA | NA | NA | NA | NA |
| MW-4 | 03/23/92 | | | DRY | DRY | 24,000 | 5,600 | 4,000 | 580 | 3,100 | NA | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 06/08/92 | | | DRY | DRY | 5,700 | 2,000 | 170 | 92 | 270 | NA | NA | NA | NA | NA | NA |
| MW-4 | 09/15/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 11/16/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 02/16/93 | | | 7.10 | 13.65 | 12,000 | 920 | 1,100 | 130 | 750 | NA | NA | NA | NA | NA | NA |
| MW-4 | 05/13/93 | | | 7.02 | 13.73 | 19,000 | 2,900 | 2,800 | 360 | 1,900 | NA | NA | NA | NA | NA | NA |
| MW-4 | 08/17/93 | | | 7.85 | 12.90 | 8,100 | 1,600 | 1,300 | 170 | 730 | NA | NA | NA | NA | NA | NA |
| MW-4 | 11/08/93 | | | DRY | DRY | 2,000 | 540 | 110 | 10 | 240 | NA | NA | NA | NA | NA | NA |
| MW-4 | 02/14/94 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 05/05/94 | | | 7.73 | 13.02 | 1,900 | 510 | 78 | 31 | 150 | NA | NA | NA | NA | NA | NA |
| MW-4 | 08/04/94 | | | 7.83 | 12.92 | 1,300 | 360 | 17 | ND<5* | 190 | NA | NA | NA | NA | NA | NA |
| MW-4 | 11/20/94 | | | 7.73 | 13.02 | ND<50 | 2.9 | 0.5 | ND<0.5 | 1.4 | NA | NA | NA | NA | NA | NA |
| MW-4 | 03/17/95 | | | 6.65 | 14.10 | 16,000 | 1,800 | 970 | 310 | 2,500 | NA | NA | NA | NA | NA | NA |
| MW-4 | 06/01/95 | | | 7.25 | 13.50 | 16,000 | 2,800 | 870 | 380 | 2,700 | NA | NA | NA | NA | NA | NA |
| MW-4 | 08/31/95 | | | 7.75 | 13.00 | 9,000 | 2,000 | 270 | 270 | 1,400 | ND<100 | NA | NA | NA | NA | NA |
| MW-4 | 11/27/95 | | | 7.87 | 12.88 | 3,800 | 890 | 130 | 130 | 550 | NA | NA | NA | NA | NA | NA |
| MW-4 | 02/22/96 | | | 7.29 | 13.46 | 940 | 150 | 82 | 19 | 130 | ND<20 | NA | NA | NA | NA | NA |
| MW-4 | 05/20/96 | | | 7.30 | 13.45 | 6,700 | 1,100 | 330 | 120 | 1,100 | ND<100 | NA | NA | NA | NA | NA |
| MW-4 | 08/26/96 | | | 7.57 | 13.18 | 14,000 | 2,400 | 510 | 350 | 2,100 | ND<100 | NA | NA | NA | NA | NA |
| MW-4 | 11/20/96 | | | 7.89 | 12.86 | 420 | 55 | 17 | 11 | 62 | ND<3 | NA | NA | NA | NA | NA |
| MW-4 | 03/24/97 | | 22.38 | 6.90 | 15.48 | 6,800 | 620 | 150 | 81 | 1,300 | ND<50 | NA | NA | NA | NA | NA |
| MW-4 | 05/23/97 | | | 7.80 | 14.58 | 9,000 | 1,300 | 240 | 200 | 1,600 | ND<60 | NA | NA | NA | NA | NA |
| MW-4 | 08/19/97 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 11/19/97 | | | DRY | DRY | 3700[j] | 600 | 93 | 120 | 710 | ND<60 | NA | NA | NA | NA | NA |
| MW-4 | 02/19/98 | | | 6.78 | 15.60 | 1,800 | 93 | 51 | 29 | 420 | 110 | NA | NA | NA | NA | NA |
| MW-4 | 04/23/98 | | | 6.47 | 15.91 | 6,500 | 700 | 110 | 180 | 1,300 | 93 | NA | NA | NA | 0.5 | NA |
| MW-4 | 07/27/98 | | | 7.22 | 15.16 | 10,000 | 1,400 | 140 | 290 | 1,900 | ND<120 | NA | NA | NA | 1.5 | NA |
| MW-4 | 10/14/98 | | | 7.60 | 14.78 | 6,500 | 900 | 63 | 200 | 1,200 | 63 | NA | NA | NA | 1.0 | NA |
| MW-4 | 01/21/99 | | | 7.43 | 14.95 | 1,700 | 140 | 22 | 56 | 320 | 13 | NA | NA | NA | 0.5 | NA |
| MW-4 | 05/06/99 | | | 6.55 | 15.83 | 3,300 | 250 | 36 | 73 | 890 | 41 | NA | NA | NA | 1.28 | NA |
| MW-4 | 08/23/99 | | | 7.16 | 15.22 | 7,400 | 500 | 73 | 230 | 1,700 | 57 | NA | NA | NA | 0.89 | NA |
| MW-4 | 10/28/99 | | | 8.28 | 14.10 | 370 | 41 | 5.7 | 14 | 52 | 16 | NA | NA | NA | 0.92 | NA |
| MW-4 | 02/04/00 | | | 8.23 | 14.15 | 310 | 33 | 7.5 | 11 | 65 | 8 | NA | NA | NA | 2.43 | NA |
| MW-4 | 06/20/00 | | | 6.46 | 15.92 | 2,700 | 210 | 20 | 94 | 520 | 46 | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 09/29/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 12/17/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-4 | 03/28/01 | | | 7.49 | 14.89 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| MW-4 | 06/20/01 | | | 7.21 | 15.17 | 13,000 | 690 | 170 | 330 | 1,400 | 110 | NA | NA | NA | NA | NA |
| MW-4 | 09/22/01 | | | 7.43 | 14.95 | 6,700 | 650 | 110 | 410 | 1,800 | 100 | NA | NA | NA | NA | NA |
| MW-4 | 12/27/01 | | | 7.32 | 15.06 | 1,200 | 47 | 15 | 46 | 250 | 15 | NA | NA | NA | NA | NA |
| MW-4 | 03/15/02 | | | 7.43 | 14.95 | 490 | 34 | 7.4 | 26 | 110 | 12 | NA | NA | NA | NA | NA |
| MW-4 | 04/18/02 | | | 7 | 15.38 | ND<50 | 0.57 | 0.83 | ND<0.5 | 1.1 | 3.7 | NA | NA | NA | NA | NA |
| MW-4 | 07/23/02 | NP | | 7.70 | 14.68 | 820(d) | 80 | 12 | 23 | 190 | 41 | NA | NA | NA | 2.2 | 7.3 |
| MW-4 | 10/16/02 | NP | | 7.75 | 14.63 | 2,000(d) | 220 | 25 | 140 | 570 | ND<25 | NA | NA | NA | 1.8 | 7.6 |
| MW-4 | 01/23/03(g) | NP | | 7.11 | 15.27 | ND<250 | ND<2.5 | ND<2.5 | ND<2.5 | 8.8 | 5.9 | NA | NA | NA | 1.7 | 7.0 |
| MW-4 | 04/07/03 | NP | | 7.19 | 15.19 | 310 | 24 | 2.4 | 15 | 62 | 9.2 | NA | NA | NA | 1.1 | 7.1 |
| MW-4 | 08/07/03 | NP | (m) | 7.45 | 14.93 | 3,000 | 280 | ND<25 | 150 | 700 | ND<25 | NA | NA | NA | 1.2 | 6.8 |
| **MW-4** | **10/23/03** | **NP** | | **7.59** | **14.79** | **1,700** | **150** | **7.6** | **83** | **320** | **12** | **NA** | **NA** | **NA** | **0.9** | **6.9** |
| MW-5 | 06/10/91 | | 20.90 | 7.58 | 13.32 | 100,000 | 25,000 | 20,000 | 2,600 | 12,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 10/10/91 | | | 8.51 | 12.39 | Not sampled: well contained floating product sheen | | | | | | | | | | |
| MW-5 | 03/23/92 | | | 6.06 | 14.84 | 150,000 | 24,000 | 31,000 | 4,400 | 23,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 06/08/92 | | | 7.66 | 13.24 | 120,000 | 17,000 | 13,000 | 2,400 | 11,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 09/15/92 | | | 8.40 | 12.50 | Not sampled: floating product entered well during purging | | | | | | | | | | |
| MW-5 | 11/16/92 | | | 7.70 | 13.20 | 110,000 | 16,000 | 16,000 | 3,200 | 18,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 02/16/93 | | | 5.64 | 15.26 | 150,000 | 12,000 | 15,000 | 3,000 | 17,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 05/13/93 | | | 6.68 | 14.22 | Not sampled: floating product entered well during purging | | | | | | | | | | |
| MW-5 | 08/17/93 | | | 7.49 | 13.41 | 87,000 | 15,000 | 8,500 | 1,900 | 11,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 11/08/93 | | | 7.93 | 12.97 | 87,000 | 12,000 | 8,300 | 2,000 | 12,000 | NA | NA | NA | NA | NA | NA |
| MW-5 | 02/14/94 | | | 6.49 | 14.41 | 46,000 | 7,300 | 5,300 | 940 | 5,200 | NA | NA | NA | NA | NA | NA |
| MW-5 | 05/05/94 | | | 7.18 | 13.72 | 54,000 | 9,700 | 4,700 | 1,000 | 6,400 | NA | NA | NA | NA | NA | NA |
| MW-5 | 08/04/94 | | | 7.83 | 13.07 | 57,000 | 14,000 | 3,200 | 1,200 | 7,200 | NA | NA | NA | NA | NA | NA |
| MW-5 | 11/20/94 | | | 6.34 | 14.56 | 33,000 | 5,700 | 1,800 | 720 | 4,700 | NA | NA | NA | NA | NA | NA |
| MW-5 | 03/17/95 | | | 5.51 | 15.39 | 48,000 | 6,400 | 2,000 | 740 | 5,100 | NA | NA | NA | NA | NA | NA |
| MW-5 | 06/01/95 | | | 6.55 | 14.35 | 76,000 | 11,000 | 5,400 | 1,400 | 7,700 | NA | NA | NA | NA | NA | NA |
| MW-5 | 08/31/95 | | | 6.80 | 14.10 | 53,000 | 12,000 | 1,600 | 1,000 | 6,000 | ND<500 | NA | NA | NA | NA | NA |
| MW-5 | 11/27/95 | | | 7.13 | 13.77 | 43,000 | 7,900 | 3,300 | 950 | 4,900 | NA | NA | NA | NA | NA | NA |
| MW-5 | 02/22/96 | | | 5.12 | 15.78 | 52,000 | 9,100 | 3,300 | 940 | 5,000 | ND<500 | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 05/20/96 | | | 5.87 | 15.03 | 55,000 | 9,300 | 3,800 | 1,100 | 5,400 | ND<500 | NA | NA | NA | NA | NA |
| MW-5 | 08/26/96 | | | 7.15 | 13.75 | 47,000 | 5,300 | 2,100 | 780 | 3,200 | ND<300 | NA | NA | NA | NA | NA |
| MW-5 | 11/20/96 | | | 6.88 | 14.02 | 53,000 | 8,700 | 5,700 | 920 | 4,400 | ND<500 | NA | NA | NA | NA | NA |
| MW-5 | 03/24/97 | | 22.45 | 7.13 | 15.32 | 39,000 | 8,200 | 3,200 | 720 | 3,100 | ND<500 | NA | NA | NA | NA | NA |
| MW-5 | 05/23/97 | | | 7.42 | 15.03 | 29,000 | 6,600 | 1,700 | 400 | 1,500 | ND<600 | NA | NA | NA | NA | NA |
| MW-5 | 08/19/97 | | | 7.58 | 14.87 | 16,000 | 4,600 | 790 | ND<50 | 1,300 | ND<300 | NA | NA | NA | NA | NA |
| MW-5 | 11/19/97 | | | 7.58 | 14.87 | 22,000 | 5,800 | 1,300 | 380 | 1,300 | ND<300 | NA | NA | NA | NA | NA |
| MW-5 | 02/19/98 | | | 4.65 | 17.80 | 40,000 | 5,100 | 3,800 | 620 | 2,900 | ND<300 | NA | NA | NA | NA | NA |
| MW-5 | 04/23/98 | | | 6.25 | 16.20 | 45,000 | 8,000 | 4,000 | 970 | 4,200 | ND<600 | NA | NA | NA | 1.5 | NA |
| MW-5 | 07/27/98 | | | 6.71 | 15.74 | 30,000 | 8,000 | 2,000 | 590 | 1,900 | ND<600 | NA | NA | NA | 1.5 | NA |
| MW-5 | 10/14/98 | | | 7.19 | 15.26 | 33,000 | 7,400 | 1,900 | 550 | 1,700 | ND<300 | NA | NA | NA | 1.5 | NA |
| MW-5 | 01/21/99 | | | 7.03 | 15.42 | 34,000 | 6,200 | 2,600 | 630 | 2,300 | ND<600 | NA | NA | NA | 2.5 | NA |
| MW-5 | 05/06/99 | | | 7.02 | 15.43 | 7,900 | 2,400 | 200 | 240 | 580 | 12 | NA | NA | NA | 1.07 | NA |
| MW-5 | 08/23/99 | | | 7.04 | 15.41 | 25,000 | 5,800 | 2,300 | 570 | 2,000 | 67 | NA | NA | NA | 1.04 | NA |
| MW-5 | 10/28/99 | | | 7.90 | 14.55 | 20,000 | 5,900 | 1,100 | 450 | 1,100 | ND<250 | NA | NA | NA | 0.87 | NA |
| MW-5 | 02/04/00 | | | 6.71 | 15.74 | 32,000 | 2,500 | 3,800 | 770 | 4,200 | ND<75 | NA | NA | NA | 2.33 | NA |
| MW-5 | 06/20/00 | | | 6.78 | 15.67 | 10,000 | 3,000 | 650 | 260 | 700 | ND<200 | NA | NA | NA | NA | NA |
| MW-5 | 09/29/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-5 | 12/17/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-5 | 03/28/01 | | | 6.48 | 15.97 | 23,400 | 4,160 | 3,450 | 728 | 3,090 | ND<250 | NA | NA | NA | NA | NA |
| MW-5 | 06/20/01 | | | 7.26 | 15.19 | 120,000 | 1,200 | 49 | 190 | 540 | ND<100 | NA | NA | NA | NA | NA |
| MW-5 | 09/22/01 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA | NA |
| MW-5 | 12/27/01 | | | 6.56 | 15.89 | 16,000 | 1,500 | 2,700 | 730 | 3,200 | ND<250 | NA | NA | NA | NA | NA |
| MW-5 | 03/15/02 | | | 6.9 | 15.55 | 20,000 | 2,600 | 3,300 | 1,000 | 4,000 | ND<250 | NA | NA | NA | NA | NA |
| MW-5 | 04/18/02 | | | 6.17 | 16.28 | 17,000 | 3,200 | 2,900 | 790 | 3,000 | ND<250 | NA | NA | NA | NA | NA |
| MW-5 | 07/23/02 | NP | | 7.36 | 15.09 | 4,600(d) | 1,400 | 30 | 160 | 470 | 110 | NA | NA | NA | 1.7 | 7.5 |
| MW-5 | 10/16/02 | NP | | 7.66 | 14.79 | 5,400(d) | 1,300 | ND<20 | 62 | 150 | ND<100 | NA | NA | NA | 1.1 | 7.5 |
| MW-5 | 01/23/03(g) | NP | | 6.28 | 16.17 | ND<5,000 | 110 | ND<50 | ND<50 | 98 | ND<50 | NA | NA | NA | 1.1 | 7.6 |
| MW-5 | 04/07/03 | NP | | 7.21 | 15.24 | 1,600 | 310 | 18 | 36 | 62 | 32 | NA | NA | NA | 1.5 | 7.2 |
| MW-5 | 08/07/03 | NP | (m) | 7.46 | 14.99 | ND<50 | 1.8 | ND<0.50 | ND<0.50 | ND<0.50 | 3.5 | NA | NA | NA | 12.2 | 9.0 |
| **MW-5** | **10/23/03** | **NP** | **(m)** | **7.68** | **14.77** | **76** | **14** | **ND<0.50** | **0.77** | **0.61** | **12** | **NA** | **NA** | **NA** | **11.8** | **7.9** |
| MW-6 | 06/10/91 | | 22.08 | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 10/10/91 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-6 | 03/23/92 | | | 7.45 | 14.63 | 75,000 | 19,000 | 10,000 | 1,600 | 8,600 | NA | NA | NA | NA | NA | NA |
| MW-6 | 06/08/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 09/15/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 11/16/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 02/16/93 | | | 6.79 | 15.29 | 65,000 | 14,000 | 3,500 | 1,300 | 6,100 | NA | NA | NA | NA | NA | NA |
| MW-6 | 05/13/93 | | | 7.73 | 14.35 | 36,000 | 8,200 | 870 | 1,000 | 5,200 | NA | NA | NA | NA | NA | NA |
| MW-6 | 08/17/93 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NA | NS | NA | NA |
| MW-6 | 11/08/93 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NA | NS | NA | NA |
| MW-6 | 02/14/94 | | | 7.78 | 14.30 | 47,000 | 14,000 | 390 | 1,000 | 5,100 | NA | NA | NA | NA | NA | NA |
| MW-6 | 05/05/94 | | | 8.24 | 13.84 | 45,000 | 14,000 | ND<200* | 1,300 | 4,500 | NA | NA | NA | NA | NA | NA |
| MW-6 | 08/04/94 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NA | NS | NA | NA |
| MW-6 | 11/20/94 | | | 7.41 | 14.67 | 30,000 | 11,000 | ND<100* | 1,200 | 2,300 | NA | NA | NA | NA | NA | NA |
| MW-6 | 03/17/95 | | | 6.66 | 15.42 | 45,000 | 9,300 | ND<100* | 1,900 | 3,600 | NA | NA | NA | NA | NA | NA |
| MW-6 | 06/01/95 | | | 7.60 | 14.48 | 23,000 | 5,600 | ND<50 | 1,300 | 1,900 | NA | NA | NA | NA | NA | NA |
| MW-6 | 08/31/95 | | | 7.92 | 14.16 | 26,000 | 8,000 | ND<100 | 1,900 | 900 | ND<500 | NA | NA | NA | NA | NA |
| MW-6 | 11/27/95 | | | 8.21 | 13.87 | 6,700 | 1,800 | ND<20 | 480 | 230 | NA | NA | NA | NA | NA | NA |
| MW-6 | 02/22/96 | | | 6.21 | 15.87 | 17,000 | 3,100 | 69 | 810 | 1,500 | ND<300 | NA | NA | NA | NA | NA |
| MW-6 | 05/20/96 | | | 7.07 | 15.01 | 16,000 | 3,700 | ND<50 | 1,100 | 1,100 | ND<300 | NA | NA | NA | NA | NA |
| MW-6 | 08/26/96 | | | 7.93 | 14.15 | 23,000 | 5,800 | ND<50 | 2,000 | 560 | ND<300 | NA | NA | NA | NA | NA |
| MW-6 | 11/20/96 | | | 8.02 | 14.06 | 11,000 | 3,300 | ND<50(j) | 480 | 370 | ND<300 | NA | NA | NA | NA | NA |
| MW-6 | 03/24/97 | | 22.77 | 7.95 | 14.82 | 9,700 | 1,900 | ND<20 | 800 | 270 | ND<100 | NA | NA | NA | NA | NA |
| MW-6 | 05/23/97 | | | 8.17 | 14.60 | 16,000 | 4,300 | ND<50 | 1,400 | 180 | ND<300 | NA | NA | NA | NA | NA |
| MW-6 | 08/19/97 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 11/19/97 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 02/19/98 | | | 5.78 | 16.99 | 2,600 | 540 | 8 | 90 | 88 | ND<30 | NA | NA | NA | NA | NA |
| MW-6 | 04/23/98 | | | 6.83 | 15.94 | 7,600 | 1,300 | 13 | 520 | 190 | ND<60 | NA | NA | NA | 0.5 | NA |
| MW-6 | 07/27/98 | | | 7.80 | 14.97 | 15,000 | 3,600 | ND<25 | 1,100 | 230 | ND<150 | NA | NA | NA | 1.0 | NA |
| MW-6 | 10/14/98 | | | 8.31 | 14.46 | 8,700 | 2,400 | ND<20 | 220 | 36 | ND<120 | NA | NA | NA | 2.0 | NA |
| MW-6 | 01/21/99 | | | 7.90 | 14.87 | 4,800 | 1,100 | ND<25 | 340 | 79 | ND<150 | NA | NA | NA | 2.0 | NA |
| MW-6 | 05/06/99 | | | 7.70 | 15.07 | 1,300 | 240 | 2.3 | 85 | 19 | 5 | NA | NA | NA | 1.18 | NA |
| MW-6 | 08/23/99 | | | 8.24 | 14.53 | 4,200 | 970 | 12 | 110 | 29 | ND<15 | NA | NA | NA | 0.9 | NA |
| MW-6 | 10/28/99 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-6 | 02/04/00 | | | 7.31 | 15.46 | 110 | ND<0.5 | 0.6 | 1.5 | 1.9 | 11 | NA | NA | NA | 1.1 | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-6 | 06/20/00 | | 22.77 | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 09/29/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 12/17/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 03/28/01 | | | 7.57 | 15.20 | DRY | DRY | DRY | DRY | DRY | DRY | NS | NS | NA | NA | NA |
| MW-6 | 06/20/01 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-6 | 09/22/01 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA | NA |
| MW-6 | 12/27/01 | | | 7.21 | 15.56 | ND<50 | 3 | 1 | 1.1 | 2 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-6 | 03/15/02 | | | 7.51 | 15.26 | 2,100 | 380 | 8.6 | 110 | 17 | ND<25 | NA | NA | NA | NA | NA |
| MW-6 | 04/18/02 | | | 6.89 | 15.88 | 2,200 | 440 | 12 | 96 | 14 | 52 | NA | NA | NA | NA | NA |
| MW-6 | 07/23/02 | NP | | 8.50 | 14.27 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 10/16/02 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 01/23/03(g) | NP | | 8.05 | 14.72 | ND<5,000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | NA | NA | NA | 2.1 | 6.4 |
| MW-6 | 01/23/03(g,h) | | | NA | NA | ND<250 | 58 | ND<2.5 | 6.2 | 3.8 | 17 | NA | NA | NA | 2.1 | NA |
| MW-6 | 04/07/03 | NP | | 8.11 | 14.66 | 330 | 13 | ND<0.50 | 2.7 | 8.6 | 15 | NA | NA | NA | 2.2 | 6.9 |
| MW-6 | 08/07/03 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-6** | **10/23/03** | | | **DRY** | **DRY** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** |
| MW-7 | 06/10/91 | | 22.89 | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 10/10/91 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 03/23/92 | | | 8.20 | 14.69 | 270 | 10 | 0.5 | 3 | 13 | NA | NA | NA | NA | NA | NA |
| MW-7 | 06/08/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 09/15/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 11/16/92 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 02/16/93 | | | 7.84 | 15.05 | 120 | 3.6 | ND<0.5 | ND<0.5 | 1.2 | NA | NA | NA | NA | NA | NA |
| MW-7 | 05/13/93 | | | 8.56 | 14.33 | ND<50 | 0.8 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 08/17/93 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 11/08/93 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 02/14/94 | | | 8.80 | 14.09 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 05/05/94 | | | 9.11 | 13.78 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 08/04/94 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 11/20/94 | | | 8.72 | 14.17 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 03/17/95 | | | 7.68 | 15.21 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 06/01/95 | | | 8.40 | 14.49 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 08/31/95 | | | 9.09 | 13.80 | ND<50 | ND<0.5 | ND<0.5 | 0.6 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-7 | 11/27/95 | | | 9.15 | 13.74 | ND<50 | ND<0.5 | ND<0.5 | 0.9 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-7 | 02/22/96 | | | 7.44 | 15.45 | 110 | 1.4 | ND<0.5 | 3.8 | 3.0 | ND<3 | NA | NA | NA | NA | NA |
| MW-7 | 05/20/96 | | | 8.47 | 14.42 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 08/26/96 | | | 8.81 | 14.08 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 11/20/96 | | | 9.17 | 13.72 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 03/24/97 | | | 8.31 | 14.58 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-7 | 05/23/97 | | | 9.26 | 13.63 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 08/19/97 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 11/19/97 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 02/19/98 | | | 6.13 | 16.76 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-7 | 04/23/98 | | | 7.44 | 15.45 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | 0.5 | NA |
| MW-7 | 07/27/98 | | | 8.75 | 14.14 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-7 | 10/14/98 | | | 9.22 | 13.67 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-7 | 01/21/99 | | | 9.07 | 13.82 | 52 | ND<0.5 | ND<0.5 | ND<0.5 | 0.27 | ND<3 | NA | NA | NA | 3 | NA |
| MW-7 | 05/06/99 | | | 8.32 | 14.57 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | 0.83 | NA |
| MW-7 | 08/23/99 | | | 9.25 | 13.64 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | 1.42 | NA |
| MW-7 | 10/28/99 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-7 | 02/04/00 | | | 8.79 | 14.10 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | ND<3 | NA | NA | NA | 4.46 | NA |
| MW-7 | 06/20/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 09/29/00 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-7 | 12/17/00 | | | 8.93 | 13.96 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-7 | 03/28/01 | | | 8.35 | 14.54 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-7 | 06/20/01 | | | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | NA | NA |
| MW-7 | 09/22/01 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA | NA |
| MW-7 | 12/27/01 | | | 8.42 | 14.47 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-7 | 03/15/02 | | | 8.54 | 14.35 | ND<50 | 1.3 | 2.6 | 1.1 | 5.4 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-7 | 04/18/02 | | | 7.84 | 15.05 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | 3.32 | NA |
| MW-7 | 07/23/02 | NP | | 9.51 | 13.38 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-7 | 10/16/02 | | | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-7 | 01/23/03(g) | NP | | 8.04 | 14.85 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 5.4 | 6.7 |
| MW-7 | 04/07/03 | NP | | 8.39 | 14.50 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 5.1 | 6.9 |
| MW-7 | 08/07/03 | NP | | 9.01 | 13.88 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 4.5 | 6.9 |
| **MW-7** | **10/23/03** | **NP** | | **9.22** | **13.67** | **ND<50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **NA** | **NA** | **NA** | **4.1** | **7.2** |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 06/10/91 | | 20.97 | 7.80 | 13.17 | 5,800 | 73 | 7.2 | 150 | 21 | NA | NA | NA | NA | NA | NA |
| MW-8 | 10/10/91 | | | 8.87 | 12.10 | 2,800 | 31 | 6.1 | 4.5 | 3.9 | NA | NA | NA | NA | NA | NA |
| MW-8 | 03/23/92 | | | 5.81 | 15.16 | 8,000 | 18 | ND<5* | 320 | 42 | NA | NA | NA | NA | NA | NA |
| MW-8 | 06/08/92 | | | 8.01 | 12.96 | 4,000 | ND<10* | ND<10* | 110 | ND<10* | NA | NA | NA | NA | NA | NA |
| MW-8 | 09/15/92 | | | 8.80 | 12.17 | 4,200 | 6.4 | ND<5* | 120 | ND<5* | NA | NA | NA | NA | NA | NA |
| MW-8 | 11/16/92 | | | 8.19 | 12.78 | 2,600 | 4 | ND<2.5* | 21 | 5.2 | NA | NA | NA | NA | NA | NA |
| MW-8 | 02/16/93 | | | 5.84 | 15.13 | 8,700 | ND<5* | ND<5* | 200 | ND<5* | NA | NA | NA | NA | NA | NA |
| MW-8 | 05/13/93 | | | 6.93 | 14.04 | 2,300 | ND<5* | ND<5* | 42 | ND<5* | NA | NA | NA | NA | NA | NA |
| MW-8 | 08/17/93 | | | 7.87 | 13.10 | 1,700 | 1.8 | ND<1.3* | 16 | 1.2 | NA | NA | NA | NA | NA | NA |
| MW-8 | 11/08/93 | | | 8.31 | 12.66 | 1,200 | 2.4 | ND<1* | 19 | 2.3 | NA | NA | NA | NA | NA | NA |
| MW-8 | 02/14/94 | | | 7.00 | 13.97 | 3,600 | 3 | ND<1* | 72 | ND<1* | NA | NA | NA | NA | NA | NA |
| MW-8 | 05/05/94 | | | 7.46 | 13.51 | 2,100 | ND<2.5* | ND<2.5* | 8.3 | ND<2.5* | NA | NA | NA | NA | NA | NA |
| MW-8 | 08/04/94 | | | 8.17 | 12.80 | 1,200 | 1.5 | ND<1* | 6.7 | ND<1* | NA | NA | NA | NA | NA | NA |
| MW-8 | 11/20/94 | | | 6.78 | 14.19 | 2,300 | 1.2 | 1.1 | 20 | 2.2 | NA | NA | NA | NA | NA | NA |
| MW-8 | 03/17/95 | | | 6.14 | 14.83 | 5,400 | ND<5* | ND<5* | 35 | ND<5* | NA | NA | NA | NA | NA | NA |
| MW-8 | 06/01/95 | | | 6.50 | 14.47 | 2,600 | ND<2.5 | ND<2.5 | 15 | ND<2.5 | NA | NA | NA | NA | NA | NA |
| MW-8 | 08/31/95 | | | 7.35 | 13.62 | 1,400 | ND<3 | ND<3 | 5 | ND<3 | 520 | 900 | NA | NA | NA | NA |
| MW-8 | 11/27/95 | | | 7.60 | 13.37 | 620 | ND<0.5 | ND<0.5 | ND<0.5 | 0.5 | 560 | 900 | 510(j) | NA | NA | NA |
| MW-8 | 02/22/96 | | | 5.35 | 15.62 | 5,800 | ND<5 | ND<5 | 28 | ND<5 | 110 | 1,900 | 6,800(j) | NA | NA | NA |
| MW-8 | 05/20/96 | | | 5.92 | 15.05 | 6,100 | ND<5 | ND<5 | 26 | ND<5 | 240 | NA | NA | NA | NA | NA |
| MW-8 | 08/26/96 | | | 7.08 | 13.89 | 970 | ND<1 | ND<1 | 3 | ND<1 | 710 | NA | NA | NA | NA | NA |
| MW-8 | 11/20/96 | | | 7.01 | 13.96 | 3,900 | ND<2.5 | ND<2.5 | 12 | ND<2.5 | 930 | NA | NA | NA | NA | NA |
| MW-8 | 03/24/97 | | 20.89 | 7.33 | 13.56 | 1,400 | ND<10 | ND<10 | ND<10 | 12 | 1,300 | NA | NA | NA | NA | NA |
| MW-8 | 05/23/97 | | | 7.55 | 13.34 | 730 | ND<5 | ND<5 | ND<5 | ND<5 | 630 | NA | NA | NA | NA | NA |
| MW-8 | 08/19/97 | | | 7.87 | 13.02 | ND<500 | ND<5 | ND<5 | ND<5 | ND<5 | 290 | NA | NA | NA | NA | NA |
| MW-8 | 11/19/97 | | | 7.87 | 13.02 | ND<200 | ND<2 | ND<2 | ND<2 | ND<2 | 260 | NA | NA | NA | NA | NA |
| MW-8 | 02/19/98 | | | 4.46 | 16.43 | 2,000 | ND<2 | ND<2 | 9 | ND<2 | 140 | NA | NA | NA | NA | NA |
| MW-8 | 04/23/98 | | | 6.35 | 14.54 | 4,500 | ND<5 | ND<5 | ND<5 | 11 | 590 | NA | NA | NA | 0.5 | NA |
| MW-8 | 07/27/98 | | | 7.43 | 13.46 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-8 | 10/14/98 | | | 7.79 | 13.10 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-8 | 01/21/99 | | | 6.54 | 14.35 | 2,000 | ND<2 | ND<2 | 3 | ND<2 | 320 | NA | NA | NA | 2.5 | NA |
| MW-8 | 05/06/99 | | | 7.30 | 13.59 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 160 | NA | NA | NA | 12.76 | NA |
| MW-8 | 08/23/99 | | | 7.45 | 13.44 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 5 | NA | NA | NA | 7.85 | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 10/28/99 | | | 8.22 | 12.67 | 160 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | 45 | NA | NA | NA | 0.84 | NA |
| MW-8 | 02/04/00 | | | 8.47 | 12.42 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | ND<3 | NA | NA | NA | 1.92 | NA |
| MW-8 | 06/20/00 | | | 7.23 | 13.66 | 150 | ND<0.5 | 0.9 | ND<0.5 | ND<1.0 | 310 | NA | NA | NA | NA | NA |
| MW-8 | 09/29/00 | | | 7.91 | 12.98 | 149 | ND< 0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 438 | NA | NA | NA | NA | NA |
| MW-8 | 12/17/00 | | | 7.11 | 13.78 | 662 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 273 | NA | NA | NA | NA | NA |
| MW-8 | 03/28/01 | | | 6.88 | 14.01 | 840 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | 320 | NA | NA | NA | NA | NA |
| MW-8 | 06/20/01 | | | 7.25 | 13.64 | 230 | ND<0.5 | ND<0.5 | ND<0.5 | 0.65 | 330 | NA | NA | NA | NA | NA |
| MW-8 | 09/22/01 | | | 8.14 | 12.75 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 6.5 | NA | NA | NA | NA | NA |
| MW-8 | 12/27/01 | | | 6.73 | 14.16 | 780 | ND<0.5 | ND<0.5 | 0.6 | 0.89 | 160 | NA | NA | NA | NA | NA |
| MW-8 | 03/15/02 | | | 6.94 | 13.95 | 1,100 | ND<10 | ND<10 | ND<10 | ND<10 | 830 | NA | NA | NA | NA | NA |
| MW-8 | 04/18/02 | | | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-8 | 07/23/02 | NP | | 7.89 | 13.00 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 8.7 | NA | NA | NA | 4.5 | 7.7 |
| MW-8 | 10/16/02 | NP | | 8.13 | 12.76 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 4.2 | 7.5 |
| MW-8 | 01/23/03(g) | NP | | 6.47 | 14.42 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 2.6 | NA | NA | NA | 4.0 | 7.5 |
| MW-8 | 04/07/03 | NP | | 7.49 | 13.40 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 19 | NA | NA | NA | 4.7 | 7.5 |
| MW-8 | 08/07/03 | NP | (m) | 7.93 | 12.96 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 0.96 | NA | NA | NA | 14.8 | 8.3 |
| **MW-8** | **10/23/03** | **NP** | **(m)** | **7.83** | **13.06** | **ND<50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **2.2** | **NA** | **NA** | **NA** | **14.3** | **8.6** |
| MW-9 | 06/11/93 | | 20.89 | 8.15 | 12.74 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 08/17/93 | | | 8.53 | 12.36 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 11/08/93 | | | 8.87 | 12.02 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 02/14/94 | | | 7.47 | 13.42 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 05/05/94 | | | 8.04 | 12.85 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 08/04/94 | | | 8.78 | 12.11 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 11/20/94 | | | 6.83 | 14.06 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 03/17/95 | | | 6.94 | 13.95 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 06/01/95 | | | 8.15 | 12.74 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 08/31/95 | | | 8.10 | 12.79 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-9 | 11/27/95 | | | 8.38 | 12.51 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-9 | 02/22/96 | | | 7.36 | 13.53 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-9 | 05/20/96 | | | 7.81 | 13.08 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 08/26/96 | | | 8.00 | 12.89 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-9 | 11/20/96 | | | 7.06 | 13.83 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 03/24/97 | | 22.26 | 7.74 | 14.52 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-9 | 05/23/97 | | | 8.28 | 13.98 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 08/19/97 | | | 8.32 | 13.94 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-9 | 11/19/97 | | | 8.32 | 13.94 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 02/19/98 | | | 7.11 | 15.15 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-9 | 04/23/98 | | | 8.18 | 14.08 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 07/27/98 | | | 7.97 | 14.29 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 3.6 | NA |
| MW-9 | 10/14/98 | | | 8.29 | 13.97 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 2.5 | NA |
| MW-9 | 01/21/99 | | | 7.63 | 14.63 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-9 | 05/06/99 | | | 7.27 | 14.99 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-9 | 08/23/99 | | | 8.24 | 14.02 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 1.93 | NA |
| MW-9 | 10/28/99 | | | 8.63 | 13.63 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-9 | 02/04/00 | | | 8.01 | 14.25 | ND<50 | ND<0.50 | 1.6 | ND<0.50 | ND<1 | ND<3 | NA | NA | NA | 1.47 | NA |
| MW-9 | 06/20/00 | | | 8.01 | 14.25 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 09/29/00 | | | 8.44 | 13.82 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 3.44 | NA | NA | NA | NA | NA |
| MW-9 | 12/17/00 | | | 7.84 | 14.42 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 03/28/01 | | | 7.58 | 14.68 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-9 | 06/20/01 | | | 7.75 | 14.51 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 09/22/01 | | | 8.69 | 13.57 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 7.8 | NA | NA | NA | NA | NA |
| MW-9 | 12/27/01 | | | 7.15 | 15.11 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 03/15/02 | | | 7.23 | 15.03 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-9 | 04/18/02 | | | 6.79 | 15.47 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-9 | 07/23/02 | P | | 8.3 | 13.96 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 1.4 | 7.2 |
| MW-9 | 10/16/02 | | | 8.64 | 13.62 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-9 | 01/23/03(g) | P | | 7.35 | 14.91 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 2.2 | NA | NA | NA | 3.0 | 7.2 |
| MW-9 | 04/07/03 | | | 7.81 | 14.45 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-9 | 08/07/03 | | | 8.31 | 13.95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-9** | **10/23/03** | | | **8.48** | **13.78** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** |
| MW-10 | 06/11/93 | | 21.12 | 8.14 | 12.98 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 08/17/93 | | | 8.54 | 12.58 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 11/08/93 | | | 8.70 | 12.42 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 02/14/94 | | | 7.13 | 13.99 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 05/05/94 | | | 8.08 | 13.04 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 08/04/94 | | | 8.84 | 12.28 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-10 | 11/20/94 | | | 7.05 | 14.07 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 03/17/95 | | | 6.26 | 14.86 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 06/01/95 | | | 7.63 | 13.49 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 08/31/95 | | | 8.17 | 12.95 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 11/27/95 | | | 8.38 | 12.74 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | NA | NA | NA |
| MW-10 | 02/22/96 | | | 5.41 | 15.71 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 05/20/96 | | | 6.78 | 14.34 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-10 | 08/26/96 | | | 8.00 | 13.12 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 11/20/96 | | | 7.81 | 13.31 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-10 | 03/24/97 | | 21.33 | 7.87 | 13.46 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 05/23/97 | | | 8.33 | 13.00 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-10 | 08/19/97 | | | 8.39 | 12.94 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 11/19/97 | | | 8.39 | 12.94 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 02/19/98 | | | 4.65 | 16.68 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | NA | NA |
| MW-10 | 04/23/98 | | | 6.28 | 15.05 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 0.5 | NA |
| MW-10 | 07/27/98 | | | 7.97 | 13.36 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 3.3 | NA |
| MW-10 | 10/14/98 | | | 8.41 | 12.92 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 1.0 | NA |
| MW-10 | 01/21/99 | | | 6.65 | 14.68 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 0.5 | NA |
| MW-10 | 05/06/99 | | | 7.74 | 13.59 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 0.76 | NA |
| MW-10 | 08/23/99 | | | 8.37 | 12.96 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 1.21 | NA |
| MW-10 | 10/28/99 | | | 8.73 | 12.60 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 1.12 | NA |
| MW-10 | 02/04/00 | | | 8.78 | 12.55 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<3 | NA | NA | NA | 2.84 | NA |
| MW-10 | 06/20/00 | | | 7.99 | 13.34 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3.0 | NA | NA | NA | NA | NA |
| MW-10 | 09/29/00 | | | 8.40 | 12.93 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 12/17/00 | | | 7.91 | 13.42 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 03/28/01 | | | 7.47 | 13.86 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 06/20/01 | | | 8.11 | 13.22 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 09/22/01 | | | 8.77 | 12.56 | ND<50 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 12/27/01 | | | 6.94 | 14.39 | ND<50 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 03/15/02 | | | 7.48 | 13.85 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-10 | 04/18/02 | | | 6.77 | 14.56 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 3.8 | NA | NA | NA | 1.22 | NA |
| MW-10 | 07/23/02 | NP | | 8.42 | 12.91 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 1.0 | 7.2 |
| MW-10 | 10/16/02 | NP | | 8.77 | 12.56 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 1.0 | 6.4 |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-10 | 01/23/03(g) | NP | | 7.12 | 14.21 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 1.4 | NA | NA | NA | 1.3 | 7.4 |
| MW-10 | 04/07/03 | NP | | 7.73 | 13.60 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 1.6 | NA | NA | NA | 1.3 | 7.0 |
| MW-10 | 08/07/03 | NP | | 8.45 | 12.88 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 1.5 | NA | NA | NA | 1.3 | 7.3 |
| **MW-10** | **10/23/03** | | | **8.71** | **12.62** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** |
| MW-11 | 11/16/92 | | 22.38 | 9.02 | 13.36 | 7,000 | 21 | ND<10* | 18 | 230 | NA | NA | NA | NA | NA | NA |
| MW-11 | 02/16/93 | | | 7.11 | 15.27 | 2,200 | ND<10* | ND<10* | 11 | ND<10* | NA | NA | NA | NA | NA | NA |
| MW-11 | 05/13/93 | | | 8.04 | 14.34 | 1,600 | ND<2.5* | ND<2.5* | 41 | 6.8 | NA | NA | NA | NA | NA | NA |
| MW-11 | 08/17/93 | | | 8.78 | 13.60 | 830 | 1.4 | ND<1.0* | 25 | 15 | NA | NA | NA | NA | NA | NA |
| MW-11 | 11/08/93 | | | 9.23 | 13.15 | 370 | ND<1.0* | ND<1.0* | 2.5 | 2.1 | NA | NA | NA | NA | NA | NA |
| MW-11 | 02/14/94 | | | 7.94 | 14.44 | 650 | ND<1* | ND<1.0* | 2 | 4 | NA | NA | NA | NA | NA | NA |
| MW-11 | 05/05/94 | | | 8.55 | 13.83 | 210 | ND<0.5 | ND<0.5 | 2.5 | 0.6 | NA | NA | NA | NA | NA | NA |
| MW-11 | 08/04/94 | | | 9.13 | 13.25 | 390 | ND<0.5 | ND<0.7* | 1.9 | 2.2 | NA | NA | NA | NA | NA | NA |
| MW-11 | 11/20/94 | | | 7.73 | 14.65 | 1,300 | 1.3 | 0.5 | 1.5 | 21 | NA | NA | NA | NA | NA | NA |
| MW-11 | 03/17/95 | | | 6.94 | 15.44 | 100 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-11 | 06/01/95 | | | 7.90 | 14.48 | 210 | ND<0.5 | ND<0.5 | 0.9 | 0.7 | NA | NA | NA | NA | NA | NA |
| MW-11 | 08/31/95 | | | 8.18 | 14.20 | 680 | ND<0.5 | ND<0.5 | 4 | 1.8 | ND<3 | NA | NA | NA | NA | NA |
| MW-11 | 11/27/95 | | | 8.48 | 13.90 | 340 | ND<0.5 | ND<0.5 | 2.2 | 1.6 | NA | NA | NA | NA | NA | NA |
| MW-11 | 02/22/96 | | | 6.63 | 15.75 | 150 | ND<0.5 | ND<0.5 | ND<0.8 | ND<0.8 | ND<3 | NA | NA | NA | NA | NA |
| MW-11 | 05/20/96 | | | 7.25 | 15.13 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 08/26/96 | | | 8.22 | 14.16 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 11/20/96 | | | 8.37 | 14.01 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 03/24/97 | | 20.97 | 8.15 | 12.82 | 63 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-11 | 05/23/97 | | | 8.48 | 12.49 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 08/19/97 | | | 8.67 | 12.30 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 11/19/97 | | | 8.67 | 12.30 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 02/19/98 | | | 6.25 | 14.72 | ND<50 | ND<0.5 | 1.6 | ND<0.5 | 1.8 | 7 | NA | NA | NA | NA | NA |
| MW-11 | 04/23/98 | | | 7.23 | 13.74 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 07/27/98 | | | 8.05 | 12.92 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 10/14/98 | | | 8.58 | 12.39 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 01/21/99 | | | 8.25 | 12.72 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<3 | NA | NA | NA | 0.5 | NA |
| MW-11 | 05/06/99 | | | 7.95 | 13.02 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 08/23/99 | | | 8.51 | 12.46 | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0.86 | NA |
| MW-11 | 10/28/99 | | | 8.95 | 12.02 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-11 | 02/04/00 | | | 7.88 | 13.09 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | ND<3 | NA | NA | NA | 3.29 | NA |
| MW-11 | 06/20/00 | | | 8.18 | 12.79 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 09/29/00 | | | 8.60 | 12.37 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 12/17/00 | | | 8.48 | 12.49 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 03/28/01 | | | 7.88 | 13.09 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-11 | 06/20/01 | | | 8.48 | 12.49 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 09/22/01 | | | 9.11 | 11.86 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 12/27/01 | | | 7.50 | 13.47 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 03/15/02 | | | 7.87 | 13.10 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-11 | 04/18/02 | | | 7.22 | 13.75 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-11 | 07/23/02 | | | 8.76 | 12.21 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-11 | 10/16/02 | | | 9.15 | 11.82 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-11 | 01/23/03(g) | P | | 7.61 | 13.36 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 2.4 | 7.4 |
| MW-11 | 04/07/03 | | | 8.25 | 12.72 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-11 | 08/07/03 | | | 8.84 | 12.13 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-11** | **10/23/03** | **P** | | **9.09** | **11.88** | **ND<50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **NS** | **NS** | **NS** | **1.5** | **7.2** |
| MW-12 | 11/16/92 | | 22.77 | 9.65 | 13.12 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 02/16/93 | | | 7.88 | 14.89 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 05/13/93 | | | 8.63 | 14.14 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 08/17/93 | | | 9.30 | 13.47 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 11/08/93 | | | 9.72 | 13.05 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 02/14/94 | | | 8.24 | 14.53 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 05/05/94 | | | 8.97 | 13.80 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 08/04/94 | | | 9.57 | 13.20 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 11/20/94 | | | 8.06 | 14.71 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 03/17/95 | | | 7.09 | 15.68 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-12 | 06/01/95 | | | 8.40 | 14.37 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 08/31/95 | | | 8.55 | 14.22 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-12 | 11/27/95 | | | 8.95 | 13.82 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 02/22/96 | | | 6.81 | 15.96 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-12 | 05/20/96 | | | 7.56 | 15.21 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 08/26/96 | | | 8.63 | 14.14 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 11/20/96 | | | 8.38 | 14.39 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-12 | 03/24/97 | | 20.11 | 8.75 | 11.36 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-12 | 05/23/97 | | | 8.92 | 11.19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 08/19/97 | | | 9.20 | 10.91 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 11/19/97 | | | 9.20 | 10.91 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 02/19/98 | | | 6.28 | 13.83 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-12 | 04/23/98 | | | 7.52 | 12.59 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 07/27/98 | | | 8.52 | 11.59 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 10/14/98 | | | 9.06 | 11.05 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 01/21/99 | | | 8.20 | 11.91 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-12 | 05/06/99 | | | 8.47 | 11.64 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 08/23/99 | | | 9.04 | 11.07 | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0.85 | NA |
| MW-12 | 10/28/99 | | | 9.40 | 10.71 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 02/04/00 | | | 8.38 | 11.73 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<1 | ND<3 | NA | NA | NA | 3.34 | NA |
| MW-12 | 06/20/00 | | | 8.55 | 11.56 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 09/29/00 | | | 8.98 | 11.13 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 12/17/00 | | | 8.76 | 11.35 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 03/28/01 | | | 8.31 | 11.80 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-12 | 06/20/01 | | | 9.10 | 11.01 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 09/22/01 | | | 9.48 | 10.63 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 12/27/01 | | | 7.78 | 12.33 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 03/15/02 | | | 8.22 | 11.89 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-12 | 04/18/02 | | | 7.65 | 12.46 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-12 | 07/23/02 | | | 9.18 | 10.93 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-12 | 10/16/02 | | | 9.51 | 10.60 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-12 | 01/23/03 | | | 7.86 | 12.25 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-12 | 04/07/03 | | | 8.58 | 11.53 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-12 | 08/07/03 | | | 9.23 | 10.88 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-12** | **10/23/03** | **P** | | **9.44** | **10.67** | **ND<50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **NS** | **NS** | **NS** | **1.2** | **7.0** |
| MW-13 | 11/16/92 | | 22.45 | 9.02 | 13.43 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 02/16/93 | | | 7.14 | 15.31 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 05/13/93 | | | 7.95 | 14.50 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 08/17/93 | | | 8.57 | 13.88 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 11/08/93 | | | 8.86 | 13.59 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-13 | 02/14/94 | | | 7.78 | 14.67 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 05/05/94 | | | 8.38 | 14.07 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 08/04/94 | | | 8.78 | 13.67 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 11/20/94 | | | 7.68 | 14.77 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 03/17/95 | | | 6.91 | 15.54 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-13 | 06/01/95 | | | 7.72 | 14.73 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 08/31/95 | | | 7.58 | 14.87 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 11/27/95 | | | 7.98 | 14.47 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 02/22/96 | | | 6.71 | 15.74 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-13 | 05/20/96 | | | 6.98 | 15.47 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 08/26/96 | | | 7.85 | 14.60 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 11/20/96 | | | 7.76 | 14.69 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 03/24/97 | | 20.75 | 7.85 | 12.90 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-13 | 05/23/97 | | | 8.16 | 12.59 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 08/19/97 | | | 8.40 | 12.35 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 11/19/97 | | | 8.40 | 12.35 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 02/19/98 | | | 6.44 | 14.31 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-13 | 04/23/98 | | | 6.80 | 13.95 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 07/27/98 | | | 7.52 | 13.23 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-13 | 10/14/98 | | | 8.15 | 12.60 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | 2.0 | NA |
| MW-13 | 01/21/99 | | | 7.85 | 12.90 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-13 | 05/06/99 | | | 7.82 | 12.93 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 08/23/99 | | | 8.29 | 12.46 | NS | NS | NS | NS | NS | NS | NS | NS | NS | 0.94 | NA |
| MW-13 | 10/28/99 | | | 8.55 | 12.20 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 02/04/00 | | | 8.11 | 12.64 | ND<50 | ND< 0.5 | 0.6 | ND< 0.5 | ND<1 | ND<3 | NA | NA | NA | 1.27 | NA |
| MW-13 | 06/20/00 | | | 7.56 | 13.19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 09/29/00 | | | 8.27 | 12.48 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 12/17/00 | | | 8.09 | 12.66 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 03/28/01 | | | 7.69 | 13.06 | ND<50 | ND<0.5 | ND<0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-13 | 06/20/01 | | | 8.46 | 12.29 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 09/22/01 | | | 8.57 | 12.18 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 12/27/01 | | | 7.14 | 13.61 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 03/15/02 | | | 7.62 | 13.13 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-13 | 04/18/02 | | | 6.91 | 13.84 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-13 | 07/23/02 | | | 8.50 | 12.25 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-13 | 10/16/02 | | | 8.74 | 12.01 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-13 | 01/23/03(g) | P | | 7.35 | 13.40 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 3.4 | 7.0 |
| MW-13 | 04/07/03 | | | 7.99 | 12.76 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-13 | 08/07/03 | | | 8.60 | 12.15 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-13** | **10/23/03** | **P** | | **8.55** | **12.20** | **ND<50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **NS** | **NS** | **NS** | **2.0** | **7.1** |
| MW-14 | 09/15/92 | | 22.99 | 10.66 | 12.33 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 11/16/92 | | | 10.33 | 12.66 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 02/16/93 | | | 8.18 | 14.81 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 05/13/93 | | | 9.05 | 13.94 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 08/17/93 | | | 22.99 | 0.00 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 11/08/93 | | | 10.25 | 12.74 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 02/14/94 | | | 8.80 | 14.19 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 05/05/94 | | | 9.49 | 13.50 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 08/04/94 | | | 10.11 | 12.88 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 11/20/94 | | | 8.66 | 14.33 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 03/17/95 | | | 8.17 | 14.82 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-14 | 06/01/95 | | | 8.57 | 14.42 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 08/31/95 | | | 9.05 | 13.94 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 11/27/95 | | | 9.19 | 13.80 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 02/22/96 | | | 6.52 | 16.47 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-14 | 05/20/96 | | | 7.88 | 15.11 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 08/26/96 | | | 8.83 | 14.16 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 11/20/96 | | | 8.95 | 14.04 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 03/24/97 | | 20.90 | 8.98 | 11.92 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-14 | 05/23/97 | | | 9.61 | 11.29 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 08/19/97 | | | 9.80 | 11.10 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-14 | 11/19/97 | | | 9.80 | 11.10 | ND<50 | 1.7 | ND< 0.5 | 0.6 | 3 | ND<3 | NA | NA | NA | NA | NA |
| MW-14 | 02/19/98 | | | 6.27 | 14.63 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-14 | 04/23/98 | | | 7.75 | 13.15 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | 0.5 | NA |
| MW-14 | 07/27/98 | | | 9.24 | 11.66 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | 1 | NA |
| MW-14 | 10/14/98 | | | 9.73 | 11.17 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | 1 | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-14 | 01/21/99 | | | 8.90 | 12.00 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | 1.5 | NA |
| MW-14 | 05/06/99 | | | 8.98 | 11.92 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | 0.73 | NA |
| MW-14 | 08/23/99 | | | 9.68 | 11.22 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<3 | NA | NA | NA | 0.91 | NA |
| MW-14 | 10/28/99 | | | 10.00 | 10.90 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<1 | ND<10 | NA | NA | NA | 1.06 | NA |
| MW-14 | 02/04/00 | | | 8.19 | 12.71 | ND<50 | ND< 0.5 | 0.5 | ND< 0.5 | ND<1 | ND<3 | NA | NA | NA | 1.21 | NA |
| MW-14 | 06/20/00 | | | 9.16 | 11.74 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<10 | NA | NA | NA | NA | NA |
| MW-14 | 09/29/00 | | | 9.48 | 11.42 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.50 | NA | NA | NA | NA | NA |
| MW-14 | 12/17/00 | | | 9.24 | 11.66 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-14 | 03/28/01 | | | 8.91 | 11.99 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-14 | 06/20/01 | | | 9.7 | 11.20 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 3.1 | NA | NA | NA | NA | NA |
| MW-14 | 09/22/01 | | | 10.04 | 10.86 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-14 | 12/27/01 | | | 8.33 | 12.57 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-14 | 03/15/02 | | | 8.75 | 12.15 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-14 | 04/18/02 | | | 8.21 | 12.69 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-14 | 07/23/02 | NP | | 9.76 | 11.14 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 1.4 | 7.1 |
| MW-14 | 10/16/02 | NP | | 10.10 | 10.80 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 1.1 | 5.8 |
| MW-14 | 01/23/03(g) | NP | | 8.41 | 12.49 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 1.3 | 7.1 |
| MW-14 | 04/07/03 | NP | | 9.09 | 11.81 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 1.4 | 6.9 |
| MW-14 | 08/07/03 | NP | | 9.81 | 11.09 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | NA | NA | NA | 1.4 | 6.7 |
| **MW-14** | **10/23/03** | | | **10.04** | **10.86** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** |
| MW-15 | 05/13/93 | | 19.19 | 5.91 | 13.28 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 08/17/93 | | | 6.54 | 12.65 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 11/08/93 | | | 6.98 | 12.21 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 02/14/94 | | | 5.44 | 13.75 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 05/05/94 | | | 6.18 | 13.01 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 08/04/94 | | | 6.84 | 12.35 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 11/20/94 | | | 5.31 | 13.88 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 03/17/95 | | | 5.21 | 13.98 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | NA | NA | NA | NA | NA | NA |
| MW-15 | 06/01/95 | | | 5.84 | 13.35 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 08/31/95 | | | 6.18 | 13.01 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<3 | NA | NA | NA | NA | NA |
| MW-15 | 11/27/95 | | | 6.42 | 12.77 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 02/22/96 | | | 4.84 | 14.35 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 12 | NA | NA | NA | NA | NA |
| MW-15 | 05/20/96 | | | 5.31 | 13.88 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |

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

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Well Number | Date Sampled | Purge/ Not Purge | Top of Riser Elevation (feet) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet) | TPH as Gasoline (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TRPH (µg/L) | TPHD LUFT Method (µg/L) | Semi Volatiles (µg/L) | DO (l) (mg/L) | pH (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-15 | 08/26/96 | | | 6.05 | 13.14 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 8 | NA | NA | NA | NA | NA |
| MW-15 | 11/20/96 | | | 5.46 | 13.73 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 03/24/97 | | 22.08 | 6.00 | 16.08 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 15 | NA | NA | NA | NA | NA |
| MW-15 | 05/23/97 | | | 6.25 | 15.83 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 08/19/97 | | | 6.34 | 15.74 | 99(j) | ND< 0.5 | ND< 0.5 | ND< 0.5 | 0.7 | 6 | NA | NA | NA | NA | NA |
| MW-15 | 11/19/97 | | | 6.34 | 15.74 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-15 | 02/19/98 | | | 4.66 | 17.42 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 48 | NA | NA | NA | NA | NA |
| MW-15 | 04/23/98 | | | 5.18 | 16.90 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-15 | 07/27/98 | | | 6.02 | 16.06 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 50 | NA | NA | NA | 1.0 | NA |
| MW-15 | 10/14/98 | | | 6.26 | 15.82 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 27 | NA | NA | NA | 1.5 | NA |
| MW-15 | 01/21/99 | | | 5.33 | 16.75 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 6 | NA | NA | NA | 1.0 | NA |
| MW-15 | 05/06/99 | | | 5.82 | 16.26 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-15 | 08/23/99 | | | 6.24 | 15.84 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 21 | NA | NA | NA | 1.14 | NA |
| MW-15 | 10/28/99 | | | 6.60 | 15.48 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 02/04/00 | | | 7.02 | 15.06 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<1 | ND<3 | NA | NA | NA | 1.09 | NA |
| MW-15 | 06/20/00 | | | 5.98 | 16.10 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-15 | 09/29/00 | | | 6.50 | 15.58 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.50 | NA | NA | NA | NA | NA |
| MW-15 | 12/17/00 | | | 5.89 | 16.19 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA |
| MW-15 | 03/28/01 | | | 5.78 | 16.30 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | 11.1 | NA | NA | NA | NA | NA |
| MW-15 | 06/20/01 | | | 5.72 | 16.36 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 09/22/01 | | | 6.79 | 15.29 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 13 | NA | NA | NA | NA | NA |
| MW-15 | 12/27/01 | | | 5.49 | 16.59 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 03/15/02 | | | 5.68 | 16.40 | ND<50 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<0.5 | ND<2.5 | NA | NA | NA | NA | NA |
| MW-15 | 04/18/02 | | | 4.85 | 17.23 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NA | NA |
| MW-15 | 07/23/02 | P | | 6.32 | 15.76 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<2.5 | NA | NA | NA | 2.0 | 7.9 |
| MW-15 | 10/16/02 | | | 6.69 | 15.39 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-15 | 01/23/03(g) | P | | 5.70 | 16.38 | ND<50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | 1.9 | NA | NA | NA | 2.6 | 7.5 |
| MW-15 | 04/07/03 | | | 5.94 | 16.14 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-15 | 08/07/03 | | | 6.32 | 15.76 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| **MW-15** | **10/23/03** | | | **6.56** | **15.52** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** | **NS** |

**Table 2**
**Groundwater Flow Direction and Gradient**

ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California

| Date Measured | Average Flow Direction | Average Hydraulic Gradient |
|---|---|---|
| 08/04/94 | Southwest | 0.004 |
| 11/20/94 | Southwest | 0.002 |
| 03/17/95 | West-Southwest | 0.006 |
| 06/01/95 | Southwest | 0.003 |
| 08/31/95 | South-Southwest | 0.005 |
| 11/27/95 | South-Southwest | 0.004 |
| 02/22/96 | Northwest | 0.007 |
| 05/20/96 | Southwest | 0.007 |
| 08/26/96 | South-Southwest | 0.004 |
| 11/20/96 | South-Southeast | 0.004 |
| 03/24/97 | Southeast | 0.013 |
| 05/23/97 | Southeast | 0.014 |
| 11/19/97 | Southeast | 0.016 |
| 02/19/98 | East | Variable |
| 04/23/98 | Variable | Variable |
| 07/27/98 | Southeast | 0.050 |
| 10/14/98 | Southeast | 0.020 |
| 01/21/99 | East | 0.040 |
| 05/06/99 | Southeast | 0.050 |
| 08/23/99 | Southeast | 0.020 |
| 10/28/99 | Southeast | 0.040 |
| 02/04/00 | East-Southeast | 0.053 |
| 06/20/00 | East-Southeast | 0.023 |
| 09/29/00 | East-Southeast | 0.023 |
| 12/17/00 | East-Southeast | 0.010 |
| 03/28/01 | East-Southeast | 0.014 |
| 06/20/01 | East-Southeast | 0.022 |
| 09/22/01 | East-Southeast | 0.025 |
| 12/27/01 | East-Southeast | 0.025 |
| 03/15/02 | East | 0.015 |
| 04/18/02 | East | 0.015 |
| 07/23/02 | East-Southeast | 0.025 |
| 10/16/02 | East-Southeast | 0.022 |
| 01/23/03 | East | 0.020 |
| 04/07/03 | East-Southeast | 0.033 |
| 08/07/03 | East-Southeast | 0.047 |
| **10/23/03** | **Southeast** | **0.047** |

Source: The data witinin this table collected prior to July 2002 was provided to URS by Alameda County Environmental Health (07/17/94-03/17/95) and Group Environmental and their previous consultants (06/01/95-04/18/02). Previous consultant did not provide groundwater flow direction or gradient measurements for monitoring events occurring 07/17/90 through 05/05/94. URS has not verified the accuracy of this information.

**Table 3**
**Fuel Oxygenate Analytical Data**

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

| Well Number | Date Sampled | Ethanol (µg/L) | TBA (µg/L) | MTBE (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 01/23/03 | ND<4,000 | ND<2,000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 |
| | 04/07/03 | ND<1,000 | ND<200 | 69 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 | ND<5.0 |
| | 08/07/03 | ND<5,000 | ND<1,000 | 160 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 |
| | **10/23/03** | **NA** | **ND<1,000** | **220** | **ND<25** | **ND<25** | **ND<25** | **ND<25** | **ND<25** |
| MW-2 | 01/23/03 | ND<4,000 | ND<2,000 | 95 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 |
| | **10/23/03** | **NA** | **ND<100** | **68** | **ND<2.5** | **ND<2.5** | **16** | **ND<2.5** | **ND<2.5** |
| MW-3 | 01/23/03 | ND<8,000 | ND<4,000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 |
| | 04/07/03 | ND<10,000 | ND<2,000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 |
| | 08/07/03 | ND<20,000 | ND<4,000 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 | ND<100 |
| | **10/23/03** | **NA** | **ND<1,000** | **ND<25** | **ND<25** | **ND<25** | **ND<25** | **ND<25** | **ND<25** |
| MW-4 | 01/23/03 | ND<200 | ND<100 | 5.9 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 |
| | 04/07/03 | ND<100 | ND<20 | 9.2 | ND<0.5 | ND<0.5 | 0.61 | ND<0.5 | ND<0.50 |
| | 08/07/03 | ND<5,000 | ND<1,000 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 | ND<25 |
| | **10/23/03** | **NA** | **ND<100** | **12** | **ND<2.5** | **ND<2.5** | **ND<2.5** | **ND<2.5** | **ND<2.5** |
| MW-5 | 01/23/03 | ND<4,000 | ND<2,000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 |
| | 04/07/03 | ND<500 | ND<100 | 32 | ND<2.5 | ND<2.5 | 6.3 | ND<2.5 | ND<2.5 |
| | 08/07/03 | ND<100 | ND<20 | 3.5 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | **10/23/03** | **NA** | **ND<20** | **12** | **ND<0.50** | **ND<0.50** | **1.7** | **ND<0.50** | **ND<0.50** |
| MW-6 | 01/23/03 | ND<4,000 | ND<2,000 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 | ND<50 |
| | 1/23/03(a) | ND<200 | ND<100 | 17 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 | ND<2.5 |
| | 04/07/03 | ND<100 | ND<20 | 15 | ND<0.5 | ND<0.5 | 2.1 | ND<0.5 | ND<0.50 |
| MW-7 | 01/23/03 | ND<40 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 04/07/03 | ND<100 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 08/07/03 | ND<100 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | **10/23/03** | **NA** | **ND<20** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** |
| MW-8 | 01/23/03 | ND<40 | ND<20 | 2.6 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 04/07/03 | ND<100 | ND<20 | 19 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 08/07/03 | ND<100 | ND<20 | 0.96 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | **10/23/03** | **NA** | **ND<20** | **2.2** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** |
| MW-9 | 01/23/03 | ND<40 | ND<20 | 2.2 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| MW-10 | 01/23/03 | ND<40 | ND<20 | 1.4 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 04/07/03 | ND<100 | ND<20 | 1.6 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 08/07/03 | ND<100 | ND<20 | 1.5 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |

**Table 3**
**Fuel Oxygenate Analytical Data**

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

| Well Number | Date Sampled | Ethanol (µg/L) | TBA (µg/L) | MTBE (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | 1,2-DCA (µg/L) | EDB (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| MW-11 | 01/23/03 | ND<40 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | **10/23/03** | **NA** | **ND<20** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** |
| **MW-12** | **10/23/03** | **NA** | **ND<20** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** |
| MW-13 | 01/23/03 | ND<40 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | **10/23/03** | **NA** | **ND<20** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** | **ND<0.50** |
| MW-14 | 01/23/03 | ND<40 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| | 04/07/03 | ND<100 | ND<20 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |
| MW-15 | 01/23/03 | ND<40 | ND<20 | 1.9 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 | ND<0.50 |

Legend

| | |
|---|---|
| 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 laboratory reporting limits |
| NA | = Not analyzed |
| (a) | =The sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose. |

**Table 4**
**Groundwater Analytical Data**
**Volatile and Semivolatile Organic Compounds**

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

| | | VOCs by EPA Method 601/8010 or 624/8240 | | | | | | | SemiVOCs by EPA Method 3520/8270 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Number | Date Sampled | Methylene Chloride (µg/L) | 1,2-DCA (µg/L) | 1,1 DCA (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 2-Methyl naphthalene (µg/L) | Bis (2-ethylhexyl) Phthalate (µg/L) | 2,4-Di methyl-phenol (µg/L) | Phenol (µg/L) |
| MW-1 | 07/18/90 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 10/15/90 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 01/09/91 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 04/16/91 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 06/10/91 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 10/10/91 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 03/23/92 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 06/08/92 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 09/15/92 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 11/16/92 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 02/16/93 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 05/13/93 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 08/17/93 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 11/08/93 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 02/14/94 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 05/05/94 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 08/04/94 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 11/20/94 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 03/17/95 | NA | NA | NA | NA | NA | NA | NA | 1,300 | 730 | ND<50 | 150 | NA |
| | 06/01/95 | NA | NA | NA | NA | NA | NA | NA | 2,200 | 1,700 | ND<100 | ND<100 | 240 |
| | 08/31/95 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 11/27/95 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 02/22/96 | Not sampled: well contained floating product | | | | | | | | | | | |
| | 05/20/96 | NA | NA | NA | NA | NA | NA | NA | 1,200 | 860 | ND<50 | ND<50 | ND<50 |
| | 08/26/96 | NA | NA | NA | NA | NA | NA | NA | 2,300 | 1,800 | ND<500 | ND<1,000 | ND<500 |
| | 11/20/96 | NA | NA | NA | NA | NA | NA | NA | 590 | 250 | 91 | ND<100 | ND<50 |
| | 03/24/97 | NA | NA | NA | NA | NA | NA | NA | 730 | 610 | ND<50 | ND<100 | ND<50 |

**Table 4**
**Groundwater Analytical Data**
**Volatile and Semivolatile Organic Compounds**

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

| | | VOCs by EPA Method 601/8010 or 624/8240 | | | | | | | SemiVOCs by EPA Method 3520/8270 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Number | Date Sampled | Methylene Chloride (µg/L) | 1,2-DCA (µg/L) | 1,1 DCA (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 2-Methyl naphthalene (µg/L) | Bis (2-ethylhexyl) Phthalate (µg/L) | 2,4-Di methyl-phenol (µg/L) | Phenol (µg/L) |
| MW-1 | 05/23/97 | Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1 | | | | | | | | | | | |
| cont. | 08/19/97 | NA | NA | NA | NA | NA | NA | NA | 1,300 | 790 | ND<50 | ND<100 | ND<50 |
| | 11/19/97 | NA | NA | NA | NA | NA | NA | NA | ND<5 | ND<5 | 5 | ND<10 | ND<5 |
| | 02/19/98 | NA | NA | NA | NA | NA | NA | NA | 870 | 330 | ND<50 | ND<100 | ND<50 |
| | 04/23/98 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 07/27/98 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/14/98 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 01/21/99 | NA | NA | NA | NA | NA | NA | NA | 950 | 580 | ND<50 | ND<100 | ND<50 |
| | 05/06/99 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 08/23/99 | NA | NA | NA | NA | NA | NA | NA | 1,200 | 400 | ND<50 | ND<100 | ND<50 |
| | 10/28/99 | NA | NA | NA | NA | NA | NA | NA | 1,100 | 320 | ND<50 | ND<100 | ND<50 |
| | 02/04/00 | NA | NA | NA | NA | NA | NA | NA | 780 | 330 | ND<50 | ND<100 | ND<50 |
| | 04/07/03 | NA | NA | NA | NA | NA | NA | NA | 700 | 260 | ND<9.6 | ND (a) | ND<4.8 |
| | 08/07/03 | NA | NA | NA | NA | NA | NA | NA | 1,100 | 360 | ND<47 | ND<47 | ND<24 |
| | **10/23/03** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **1,100** | **370** | **ND<48** | **ND<48** | **ND<24** |
| MW-2 | 07/18/90 | 39 | ND | ND | 3,200 | 2,400 | 270 | 2,900 | 340 | 170 | ND | ND | NA |
| | 10/15/90 | 18 | ND | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 01/09/91 | ND | 6.5 | ND | 1,700 | 1,200 | 370 | 2,400 | NA | NA | NA | NA | NA |
| | 04/16/91 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 06/10/91 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/10/91 | ND | 1.7 | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/92 | Not analyzed: sampling for additional parameters was discontinued | | | | | | | | | | | |
| MW-8 | 06/10/91 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/10/91 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/23/92 | ND | ND | ND | 23 | ND<5.0* | 450 | 23 | NA | NA | NA | NA | NA |
| | 06/08/92 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/15/92 | ND | ND | ND | NA | NA | NA | NA | ND | ND | 6 | ND | NA |
| | 11/16/92 | ND | ND | ND | NA | NA | NA | NA | 32 | ND | ND | ND | NA |
| | 02/16/93 | ND | ND | ND | NA | NA | NA | NA | 730 | 130 | ND | ND | NA |
| | 05/13/93 | ND | ND | ND | NA | NA | NA | NA | 97 | 20 | ND | ND | NA |

**Table 4**
**Groundwater Analytical Data**
**Volatile and Semivolatile Organic Compounds**

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

| Well Number | Date Sampled | VOCs by EPA Method 601/8010 or 624/8240 | | | | | | | SemiVOCs by EPA Method 3520/8270 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Methylene Chloride (µg/L) | 1,2-DCA (µg/L) | 1,1 DCA (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 2-Methyl naphthalene (µg/L) | Bis (2-ethylhexyl) Phthalate (µg/L) | 2,4-Di methyl-phenol (µg/L) | Phenol (µg/L) |
| MW-8 | 08/17/93 | ND | ND | ND | NA | NA | NA | NA | 26 | ND | ND | ND | NA |
| cont. | 11/08/93 | ND | ND | ND | NA | NA | NA | NA | 20 | ND | 19 | ND | NA |
| | 02/14/94 | NA | NA | NA | NA | NA | NA | NA | 350 | 65 | ND | ND | NA |
| | 05/05/94 | ND<0.5 | ND<0.5 | 0.7 | NA | NA | NA | NA | 23 | ND<10 | ND<10 | ND | NA |
| | 08/04/94 | NA | NA | NA | NA | NA | NA | NA | 11 | ND<10 | 10 | ND | NA |
| | 12/13/94 | NA | NA | NA | NA | NA | NA | NA | 14 | ND<10 | 14 | ND | NA |
| | 03/17/95 | Not Analyzed: well MW-1 was samlped for additional parameters in lieu of well MW-8 | | | | | | | | | | | |
| | 08/31/95 | NA | NA | NA | NA | NA | NA | NA | 62 | 8 | ND<5 | ND<5 | ND<5 |
| | 11/27/95 | NA | NA | NA | NA | NA | NA | NA | 15 | ND<5 | ND<5 | ND<5 | ND<5 |
| | 03/14/96 | NA | NA | NA | NA | NA | NA | NA | 400 | 55 | ND<50 | ND<50 | ND<50 |
| | 05/23/97 | NA | NA | NA | NA | NA | NA | NA | 26 | ND<5 | ND<5 | ND<10 | ND<5 |
| | 04/07/03 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

ND< = Not detected at or above laboratory reporting limit
µg/L = Micrograms per liter
NA = Not analyzed, not applicable, or not available
* Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference.
a. Sample was ND for 2-Methylphenol and ND for 4-Methylphenol. Analysis not performed for 2,4-Dimethylphenol.
Source: The data within this table was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

# ATTACHMENT A

# FIELD PROCEDURES AND FIELD DATA SHEETS

# FIELD PROCEDURES

## Sampling Procedures

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

# WELL GAUGING DATA

Project # 031023-M01 Date 10/23/03 Client Arco 601

Site 712 Lewelling Blvd., San Leandro

| Well ID | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | NPQ |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 4 | | | | | ~~8.96~~ | 11.05 | | 7' |
| * MW-2 | 4 | | | | | 7.95 | 12.20 | | |
| * MW-3 | 4 | | | | | 7.05 | 11.85 | | 8' |
| MW-4 | 4 | | | | | 7.59 | 8.43 | | No |
| * MW-5 | 4 | | | | | 7.68 | 10.04 | | No |
| MW-6 | 4 | | well is Dry | | | | 8.57 | | No |
| MW-7 | 4 | | | | | 9.22 | 9.58 | | NO |
| * MW-8 | 4 | | | | | 7.83 | 10.11 | | No |
| MW-9 | 2 | | | | | 8.48 | 15.88 | | |
| MW-10 | 2 | | | | | 8.71 | 18.67 | | ~~NO~~ |
| MW-11 | 4 | | | | | 9.09 | 11.80 | | |
| MW-12 | 4 | | | | | 9.44 | 11.54 | | |
| MW-13 | 2 | | | | | 8.55 | 12.92 | | |
| MW-14 | 2 | | | | | 10.04 | 12.95 | | ~~NO~~ |
| MW-15 | 2 | | | | | 6.56 | 10.03 | | |
| * purged dry after 4 gal. | | | | | | | | | |
| | | | | | | | | | |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-1 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 1105 | Depth to Water: 8.96 |
| 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$^2$ * 0.163 |

Purge Method: ~~Bailer~~ / Disposable Bailer / Positive Air Displacement / ~~Electric Submersible~~ / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___

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

| 1 Case Volume (Gals.) | X | Specified Volumes | = | Calculated Volume Gals. |
|---|---|---|---|---|
| NP @ .7 | X | ___ | = | ___ Gals. |

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1120 | 74.5 | 6.8 | 1780 | — | strong gas odor |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Did well dewater? Yes ~~No~~ Gallons actually evacuated: —

Sampling Time: 1130 Sampling Date: 10/23/03

Sample I.D.: MW-1 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYs, Ethanol, 1,2 DCA & EDB (8260) 8260

| | | | | | |
|---|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | | mg/L | (Post-purge): | 0.7 mg/L |
| O.R.P. (if req'd): | Pre-purge: | | mV | Post-purge: | mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John D. Doyle | Date: 10/23/03 |
| Well I.D.: MW-2 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 12.20 | Depth to Water: 7.95 |
| 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 | radius² * 0.163 |

Purge Method: Bailer (Disposable Bailer) Positive Air Displacement ~~Grundfos 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.

2.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.1 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1253 | 74.9 | 7.6 | 1394 | 2.7 | clear, gas odor |
| 1254 | well dewatered @ 3 | | | | DTW = 11.75 |
| ~~1257~~ | | | | | |
| | | | | | |
| 1330 | 75.1 | 7.6 | 1352 | — | DTW = 7.95 |

| | | | |
|---|---|---|---|
| Did well dewater? (Yes) No | | Gallons actually evacuated: 3 | |
| Sampling Time: 1330 | | Sampling Date: 10/23/03 | |
| Sample I.D.: MW-2 | | Laboratory: Pace (Sequoia) Other ___ | |
| Analyzed for: (TPH-G) (BTEX) MTBE TPH-D | Other: OXY's, Ethanol, 1,2 DCA & EDB (8260) | | |
| D.O. (if req'd): Pre-purge: | mg/L | (Post-purge): | 4.6 mg/L |
| O.R.P. (if req'd): Pre-purge: | mV | Post-purge: | mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MQ1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-3 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth: 11.85 | Depth to Water: 7.05 |
| 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$^2$ * 0.163 |

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / ~~Electric Submersible~~ / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____

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

3.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.3 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1150 | 73.6 | 7.6 | 1104 | 3.1 ctw | clear, gas odor |
| 1156 | 73.5 | 7.3 | 988 | 6.2 | |
| 1152 | 73.2 | 7.2 | 1027 | 9.3 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 9.3 | |
| Sampling Time: 1155 | | Sampling Date: 10/23/03 | |
| Sample I.D.: MW-3 | | Laboratory: Pace (Sequoia) Other ____ | |
| Analyzed for: (TPH-G) (BTEX) MTBE TPH-D | | Other: OXY's, Ethanol, 1,2 DCA & EDB (8260) | |
| D.O. (if req'd): | Pre-purge: ____ mg/L | Post-purge: | 1.0 mg/L |
| O.R.P. (if req'd): | Pre-purge: ____ mV | Post-purge: | ____ mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-4 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth: 8.43 | Depth to Water: 7.95 |
| 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 | radius² * 0.163 |

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Extraction Pump~~ Other: _____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: _____

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

No Purge (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1030 | 72.3 | 6.9 | 1355 | — | clear, strong gas odor |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Did well dewater? Yes ~~No~~ Gallons actually evacuated: —

Sampling Time: 1030 Sampling Date: 10/23/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, Ethanol, 1,2 DCA & EDB (8260)

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

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-5 | Well Diameter: 2 3 (4) 6 |
| Total Well Depth: 10.04 | Depth to Water: 7.68 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): (YSI) |

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____

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

No purge (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1010 | 77.0 | 7.9 | 1785 | — | clear, gas odo |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No — Gallons actually evacuated: —

Sampling Time: 1010 — Sampling Date: 10/23/03

Sample I.D.: MW-5 — Laboratory: Pace (Sequoia) Ot

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYs, Ethanol, 1,2 DCA & ED

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | (Post-purge): | 11.8 |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 091023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW6 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 8.57 | Depth to Water: |
| 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 | radius² * 0.163 |

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

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

| | | | | |
|---|---|---|---|---|
| No Purge | X | _____ | = | _____ Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume |

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| | well is Dry | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes No | | Gallons actually evacuated: | |
| Sampling Time: | | Sampling Date: 10/23/03 | |
| Sample I.D.: | | Laboratory: Pace (Sequoia) Other_____ | |
| Analyzed for: (TPH-G) (BTEX) MTBE TPH-D | Other: Oxy's, Ethanol, 1,2 DCA & EDB (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 #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-7 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth: 9.58 | Depth to Water: 9.22 |
| 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 | radius² * 0.163 |

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

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

No Purge (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1100 | 70.8 | 7.2 | 1477 | - | cloudy |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Did well dewater? Yes ~~No~~ Gallons actually evacuated: ~~—~~

Sampling Time: 1100 Sampling Date: 10/23/03

Sample I.D.: MW-7 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, Ethanol, 1,2 DCA & EDB (8260)

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | 4.1 mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-8 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 10.11 | Depth to Water: 7.83 |
| 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 | radius² * 0.163 |

Purge Method: Bailer / ~~Disposable Bailer~~ / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___

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

| 1 Case Volume (Gals.) | X | Specified Volumes | = | Calculated Volume |
|---|---|---|---|---|
| No Purge | X | ___ | = | ___ Gals. |

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1050 | 70.4 | 8.6 | 1184 | — | clear, slight gas odor |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No — Gallons actually evacuated: —

Sampling Time: 1050 — Sampling Date: 10/23/03

Sample I.D.: MW-8 — Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYs, Ethanol, 1,2 DCA & EDB (8260)

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | (Post-purge): | 1.43 mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-11 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth: 11.80 | Depth to Water: 9.09 |
| 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 | radius² * 0.163 |

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

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

1.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1230 | 74.2 | 7.2 | 1367 | 1.8 | Cloudy, gas odor |
| 1233 | 74.7 | 7.1 | 1347 | 3.6 | |
| 1237 | 74.7 | 7.2 | 1343 | 5.4 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 5.4

Sampling Time: 1245 Sampling Date: 10/23/03

Sample I.D.: MW-11 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, Ethanol, 1,2 DCA & EDB (8260)

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | (Post-purge): | 1.5 mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-12 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 11.54 | Depth to Water: 9.44 |
| 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$^2$ * 0.163 |

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___

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

1.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1210 | 73.3 | 7.2 | 1210 | 1.4 | cloudy, No odor |
| 1217 | 74.8 | 6.9 | 1295 | 2.8 | |
| 1217 | 75.6 | 7.0 | 1299 | 4.2 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Time: 1220 Sampling Date: 10/23/03

Sample I.D.: MW-12 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYs, Ethanol, 1,2 DCA & EDB (8260)

| | | | | |
|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | 1.2 mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

# ARCO / BP WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 031023-MD1 | Station # Arco 601 |
| Sampler: John DeJong | Date: 10/23/03 |
| Well I.D.: MW-13 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth: 12.92 | Depth to Water: 8.55 |
| 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 | radius² * 0.163 |

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___

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

.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 2.1 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Conductivity (mS or (µS)) | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1308 | 71.3 | 7.2 | 1429 | .7 | clear |
| 1310 | 71.1 | 7.1 | 1429 | 1.4 | |
| 1312 | 71.0 | 7.1 | 1419 | 2.1 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: ~~7~~ 2.1

Sampling Time: 1320 Sampling Date: 10/23/03

Sample I.D.: MW-13 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, 1,2 DCA & EDB (8260)

| | | | | | |
|---|---|---|---|---|---|
| D.O. (if req'd): | Pre-purge: | | mg/L | (Post-purge): | 2.0 mg/L |
| O.R.P. (if req'd): | Pre-purge: | | mV | Post-purge: | mV |

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

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

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

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

Arco 601

Station #

712 Lewelling Blvd., San Leandro

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

21

added equip. rinse water 1

any other adjustments

**TOTAL GALS. RECOVERED** 22

loaded onto BTS vehicle # 11

| BTS event # | time | date |
|---|---|---|
| 031023-MD1 | 1400 | 10/23/03 |

signature

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

| REC'D AT | time | date |
|---|---|---|
| Blaine Tech Services | | 10/23/03 |

unloaded by signature

# ATTACHMENT B

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

# LABORATORY PROCEDURES

## Laboratory Procedures

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

**Sequoia Analytical**

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13 November, 2003

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

RE: ARCO #601, San Leandro, CA
Work Order: MMJ0886

Enclosed are the results of analyses for samples received by the laboratory on 10/24/03 18:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes For Theresa Allen
Project Manager

CA ELAP Certificate #1210

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|---|---|---|
| URS Corporation [Arco] | Project: ARCO #601, San Leandro, CA | MMJ0886 |
| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| MW-1 | MMJ0886-01 | Water | 10/23/03 11:20 | 10/24/03 18:50 |
| MW-2 | MMJ0886-02 | Water | 10/23/03 13:30 | 10/24/03 18:50 |
| MW-3 | MMJ0886-03 | Water | 10/23/03 11:55 | 10/24/03 18:50 |
| MW-4 | MMJ0886-04 | Water | 10/23/03 10:30 | 10/24/03 18:50 |
| MW-5 | MMJ0886-05 | Water | 10/23/03 10:10 | 10/24/03 18:50 |
| MW-7 | MMJ0886-06 | Water | 10/23/03 11:00 | 10/24/03 18:50 |
| MW-8 | MMJ0886-07 | Water | 10/23/03 10:50 | 10/24/03 18:50 |
| MW-11 | MMJ0886-08 | Water | 10/23/03 12:45 | 10/24/03 18:50 |
| MW-12 | MMJ0886-09 | Water | 10/23/03 12:20 | 10/24/03 18:50 |
| MW-13 | MMJ0886-10 | Water | 10/23/03 13:20 | 10/24/03 18:50 |
| Trip Blank | MMJ0886-11 | Water | 10/23/03 00:00 | 10/24/03 18:50 |



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| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Volatile Organic Compounds by EPA Method 8260B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1 (MMJ0886-01) Water Sampled: 10/23/03 11:20 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 1000 | ug/l | 50 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| **Methyl tert-butyl ether** | **220** | 25 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 25 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 25 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 25 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 25 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 25 | " | " | " | " | " | " | |
| **Benzene** | **1700** | 25 | " | " | " | " | " | " | |
| Toluene | ND | 25 | " | " | " | " | " | " | |
| **Ethylbenzene** | **1600** | 25 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 25 | " | " | " | " | " | " | |
| **Gasoline Range Organics** | **14000** | 2500 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.4 %* | *78-129* | | " | " | " | " | |
| **MW-2 (MMJ0886-02) Water Sampled: 10/23/03 13:30 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 100 | ug/l | 5 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| **Methyl tert-butyl ether** | **68** | 2.5 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.5 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| **tert-Amyl methyl ether** | **16** | 2.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 2.5 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 2.5 | " | " | " | " | " | " | |
| Benzene | ND | 2.5 | " | " | " | " | " | " | |
| Toluene | ND | 2.5 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 2.5 | " | " | " | " | " | " | |
| **Xylenes (total)** | **4.2** | 2.5 | " | " | " | " | " | " | |
| Gasoline Range Organics | ND | 250 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *110 %* | *78-129* | | " | " | " | " | |



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| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Volatile Organic Compounds by EPA Method 8260B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-3 (MMJ0886-03) Water Sampled: 10/23/03 11:55 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 1000 | ug/l | 50 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 25 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 25 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 25 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 25 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 25 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 25 | " | " | " | " | " | " | |
| **Benzene** | **340** | 25 | " | " | " | " | " | " | |
| **Toluene** | **250** | 25 | " | " | " | " | " | " | |
| **Ethylbenzene** | **1700** | 25 | " | " | " | " | " | " | |
| **Xylenes (total)** | **8300** | 25 | " | " | " | " | " | " | |
| **Gasoline Range Organics** | **36000** | 2500 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *111 %* | *78-129* | | " | " | " | " | |
| **MW-4 (MMJ0886-04) Water Sampled: 10/23/03 10:30 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 100 | ug/l | 5 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| **Methyl tert-butyl ether** | **12** | 2.5 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 2.5 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 2.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 2.5 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 2.5 | " | " | " | " | " | " | |
| **Benzene** | **150** | 2.5 | " | " | " | " | " | " | |
| **Toluene** | **7.6** | 2.5 | " | " | " | " | " | " | |
| **Ethylbenzene** | **83** | 2.5 | " | " | " | " | " | " | |
| **Xylenes (total)** | **320** | 2.5 | " | " | " | " | " | " | |
| **Gasoline Range Organics** | **1700** | 250 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *89.2 %* | *78-129* | | " | " | " | " | |



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| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Volatile Organic Compounds by EPA Method 8260B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-5 (MMJ0886-05) Water Sampled: 10/23/03 10:10 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 20 | ug/l | 1 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| **Methyl tert-butyl ether** | **12** | 0.50 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| **tert-Amyl methyl ether** | **1.7** | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| **Benzene** | **14** | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| **Ethylbenzene** | **0.77** | 0.50 | " | " | " | " | " | " | |
| **Xylenes (total)** | **0.61** | 0.50 | " | " | " | " | " | " | |
| **Gasoline Range Organics** | **76** | 50 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *107 %* | *78-129* | | " | " | " | " | |
| **MW-7 (MMJ0886-06) Water Sampled: 10/23/03 11:00 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 20 | ug/l | 1 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Gasoline Range Organics | ND | 50 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *107 %* | *78-129* | | " | " | " | " | |



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## Volatile Organic Compounds by EPA Method 8260B

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-8 (MMJ0886-07) Water Sampled: 10/23/03 10:50 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 20 | ug/l | 1 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| **Methyl tert-butyl ether** | **2.2** | 0.50 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Gasoline Range Organics | ND | 50 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.8 %* | *78-129* | | " | " | " | " | |
| **MW-11 (MMJ0886-08) Water Sampled: 10/23/03 12:45 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 20 | ug/l | 1 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Gasoline Range Organics | ND | 50 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *107 %* | *78-129* | | " | " | " | " | |



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| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Volatile Organic Compounds by EPA Method 8260B

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-12 (MMJ0886-09) Water Sampled: 10/23/03 12:20 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 20 | ug/l | 1 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Gasoline Range Organics | ND | 50 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *105 %* | *78-129* | | " | " | " | " | |
| **MW-13 (MMJ0886-10) Water Sampled: 10/23/03 13:20 Received: 10/24/03 18:50** | | | | | | | | | |
| tert-Butyl alcohol | ND | 20 | ug/l | 1 | 3K06001 | 11/06/03 | 11/06/03 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| tert-Amyl methyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Gasoline Range Organics | ND | 50 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *109 %* | *78-129* | | " | " | " | " | |



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| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Semivolatile Organic Compounds by EPA Method 8270C

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1 (MMJ0886-01) Water** | **Sampled: 10/23/03 11:20** | **Received: 10/24/03 18:50** | | | | | | | |
| Acenaphthene | ND | 24 | ug/l | 5 | 3J29029 | 10/29/03 | 10/31/03 | EPA 8270C | |
| Acenaphthylene | ND | 24 | " | " | " | " | " | " | |
| Anthracene | ND | 24 | " | " | " | " | " | " | |
| Benzoic acid | ND | 48 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 24 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 24 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 24 | " | " | " | " | " | " | |
| Benzo (ghi) perylene | ND | 48 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 24 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 48 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 24 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 48 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 24 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 48 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 24 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 24 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 240 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 24 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 24 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 24 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 48 | " | " | " | " | " | " | |
| Chrysene | ND | 24 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 24 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 24 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 24 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 48 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 48 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 48 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 240 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 24 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 24 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 48 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 24 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 24 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 48 | " | " | " | " | " | " | |
| 2,4-Dinitrotoluene | ND | 24 | " | " | " | " | " | " | |
| 2,6-Dinitrotoluene | ND | 24 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | ND | 48 | " | " | " | " | " | " | |
| Fluoranthene | ND | 24 | " | " | " | " | " | " | |
| Fluorene | ND | 24 | " | " | " | " | " | " | |



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| URS Corporation [Arco] | Project: ARCO #601, San Leandro, CA | MMJ0886 |
| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Semivolatile Organic Compounds by EPA Method 8270C

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1 (MMJ0886-01) Water Sampled: 10/23/03 11:20 Received: 10/24/03 18:50** | | | | | | | | | |
| Hexachlorobenzene | ND | 24 | ug/l | 5 | 3J29029 | 10/29/03 | 10/31/03 | EPA 8270C | |
| Hexachlorobutadiene | ND | 48 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ND | 48 | " | " | " | " | " | " | |
| Hexachloroethane | ND | 48 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 48 | " | " | " | " | " | " | |
| Isophorone | ND | 24 | " | " | " | " | " | " | |
| **2-Methylnaphthalene** | **370** | 24 | " | " | " | " | " | " | |
| 2-Methylphenol | ND | 24 | " | " | " | " | " | " | |
| 4-Methylphenol | ND | 24 | " | " | " | " | " | " | |
| **Naphthalene** | **1100** | 120 | " | 25 | " | " | 10/31/03 | " | |
| 2-Nitroaniline | ND | 48 | " | 5 | " | " | 10/31/03 | " | |
| 3-Nitroaniline | ND | 480 | " | " | " | " | " | " | |
| 4-Nitroaniline | ND | 240 | " | " | " | " | " | " | |
| Nitrobenzene | ND | 24 | " | " | " | " | " | " | |
| 2-Nitrophenol | ND | 24 | " | " | " | " | " | " | |
| 4-Nitrophenol | ND | 48 | " | " | " | " | " | " | |
| N-Nitrosodiphenylamine | ND | 48 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ND | 24 | " | " | " | " | " | " | |
| Pentachlorophenol | ND | 48 | " | " | " | " | " | " | |
| Phenanthrene | ND | 24 | " | " | " | " | " | " | |
| Phenol | ND | 24 | " | " | " | " | " | " | |
| Pyrene | ND | 24 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 48 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | ND | 24 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | ND | 24 | " | " | " | " | " | " | |
| *Surrogate: 2-Fluorophenol* | | *61.3 %* | *31-73* | | " | " | " | " | |
| *Surrogate: Phenol-d6* | | *39.7 %* | *24-48* | | " | " | " | " | |
| *Surrogate: Nitrobenzene-d5* | | *113 %* | *66-107* | | " | " | " | " | *S-LIM* |
| *Surrogate: 2-Fluorobiphenyl* | | *97.5 %* | *61-110* | | " | " | " | " | |
| *Surrogate: 2,4,6-Tribromophenol* | | *72.1 %* | *46-110* | | " | " | " | " | |
| *Surrogate: p-Terphenyl-d14* | | *108 %* | *63-136* | | " | " | " | " | |



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| URS Corporation [Arco] | Project: ARCO #601, San Leandro, CA | MMJ0886 |
| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## 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 3K06001 - EPA 5030B Modified** | | | | | | | | | | |
| **Blank (3K06001-BLK1)** | | | | Prepared & Analyzed: 11/06/03 | | | | | | |
| Ethanol | ND | 100 | ug/l | | | | | | | |
| tert-Butyl alcohol | ND | 20 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 0.50 | " | | | | | | | |
| Di-isopropyl ether | ND | 0.50 | " | | | | | | | |
| Ethyl tert-butyl ether | ND | 0.50 | " | | | | | | | |
| tert-Amyl methyl ether | ND | 0.50 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | | | | | | | |
| Benzene | ND | 0.50 | " | | | | | | | |
| Toluene | ND | 0.50 | " | | | | | | | |
| Ethylbenzene | ND | 0.50 | " | | | | | | | |
| Xylenes (total) | ND | 0.50 | " | | | | | | | |
| Gasoline Range Organics | ND | 50 | " | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.41* | | " | *5.00* | | *108* | *78-129* | | | |
| **Laboratory Control Sample (3K06001-BS1)** | | | | Prepared & Analyzed: 11/06/03 | | | | | | |
| Ethanol | 164 | 100 | ug/l | 200 | | 82.0 | 31-186 | | | |
| tert-Butyl alcohol | 38.3 | 20 | " | 50.0 | | 76.6 | 0-206 | | | |
| Methyl tert-butyl ether | 11.1 | 0.50 | " | 10.0 | | 111 | 63-137 | | | |
| Di-isopropyl ether | 10.7 | 0.50 | " | 10.0 | | 107 | 76-130 | | | |
| Ethyl tert-butyl ether | 10.7 | 0.50 | " | 10.0 | | 107 | 61-141 | | | |
| tert-Amyl methyl ether | 11.2 | 0.50 | " | 10.0 | | 112 | 56-140 | | | |
| 1,2-Dichloroethane | 10.0 | 0.50 | " | 10.0 | | 100 | 77-136 | | | |
| 1,2-Dibromoethane (EDB) | 10.6 | 0.50 | " | 10.0 | | 106 | 77-132 | | | |
| Benzene | 10.4 | 0.50 | " | 10.0 | | 104 | 78-124 | | | |
| Toluene | 9.78 | 0.50 | " | 10.0 | | 97.8 | 78-129 | | | |
| Ethylbenzene | 10.2 | 0.50 | " | 10.0 | | 102 | 84-117 | | | |
| Xylenes (total) | 31.3 | 0.50 | " | 30.0 | | 104 | 83-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.19* | | " | *5.00* | | *104* | *78-129* | | | |



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| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## 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 3K06001 - EPA 5030B Modified** | | | | | | | | | | |
| **Laboratory Control Sample (3K06001-BS2)** | | | | Prepared & Analyzed: 11/06/03 | | | | | | |
| Methyl tert-butyl ether | 9.10 | 0.50 | ug/l | 10.1 | | 90.1 | 63-137 | | | |
| Benzene | 5.86 | 0.50 | " | 6.48 | | 90.4 | 78-124 | | | |
| Toluene | 33.8 | 0.50 | " | 29.7 | | 114 | 78-129 | | | |
| Ethylbenzene | 8.28 | 0.50 | " | 7.20 | | 115 | 84-117 | | | |
| Xylenes (total) | 41.0 | 0.50 | " | 33.7 | | 122 | 83-125 | | | |
| Gasoline Range Organics | 466 | 50 | " | 440 | | 106 | 70-113 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.18* | | " | *5.00* | | *104* | *78-129* | | | |
| **Laboratory Control Sample Dup (3K06001-BSD1)** | | | | Prepared: 11/06/03 Analyzed: 11/07/03 | | | | | | |
| Ethanol | 168 | 100 | ug/l | 200 | | 84.0 | 31-186 | 2.41 | 37 | |
| tert-Butyl alcohol | 42.0 | 20 | " | 50.0 | | 84.0 | 0-206 | 9.22 | 22 | |
| Methyl tert-butyl ether | 11.3 | 0.50 | " | 10.0 | | 113 | 63-137 | 1.79 | 13 | |
| Di-isopropyl ether | 10.5 | 0.50 | " | 10.0 | | 105 | 76-130 | 1.89 | 9 | |
| Ethyl tert-butyl ether | 10.7 | 0.50 | " | 10.0 | | 107 | 61-141 | 0.00 | 9 | |
| tert-Amyl methyl ether | 11.3 | 0.50 | " | 10.0 | | 113 | 56-140 | 0.889 | 12 | |
| 1,2-Dichloroethane | 10.1 | 0.50 | " | 10.0 | | 101 | 77-136 | 0.995 | 13 | |
| 1,2-Dibromoethane (EDB) | 10.6 | 0.50 | " | 10.0 | | 106 | 77-132 | 0.00 | 9 | |
| Benzene | 9.71 | 0.50 | " | 10.0 | | 97.1 | 78-124 | 6.86 | 12 | |
| Toluene | 9.02 | 0.50 | " | 10.0 | | 90.2 | 78-129 | 8.09 | 10 | |
| Ethylbenzene | 9.14 | 0.50 | " | 10.0 | | 91.4 | 84-117 | 11.0 | 10 | QR-02 |
| Xylenes (total) | 27.0 | 0.50 | " | 30.0 | | 90.0 | 83-125 | 14.8 | 11 | QR-02 |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.50* | | " | *5.00* | | *110* | *78-129* | | | |
| **Laboratory Control Sample Dup (3K06001-BSD2)** | | | | Prepared: 11/06/03 Analyzed: 11/07/03 | | | | | | |
| Methyl tert-butyl ether | 9.45 | 0.50 | ug/l | 10.1 | | 93.6 | 63-137 | 3.77 | 13 | |
| Benzene | 5.71 | 0.50 | " | 6.48 | | 88.1 | 78-124 | 2.59 | 12 | |
| Toluene | 30.6 | 0.50 | " | 29.7 | | 103 | 78-129 | 9.94 | 10 | |
| Ethylbenzene | 7.43 | 0.50 | " | 7.20 | | 103 | 84-117 | 10.8 | 10 | QR-02 |
| Xylenes (total) | 37.2 | 0.50 | " | 33.7 | | 110 | 83-125 | 9.72 | 11 | |
| Gasoline Range Organics | 426 | 50 | " | 440 | | 96.8 | 70-113 | 8.97 | 9 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.42* | | " | *5.00* | | *108* | *78-129* | | | |



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| URS Corporation [Arco] | Project: ARCO #601, San Leandro, CA | MMJ0886 |
| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3J29029 - EPA 3510C SepFunnel** | | | | | | | | | | |
| **Blank (3J29029-BLK1)** | | | | Prepared: 10/29/03 Analyzed: 10/30/03 | | | | | | |
| Acenaphthene | ND | 5.0 | ug/l | | | | | | | |
| Acenaphthylene | ND | 5.0 | " | | | | | | | |
| Anthracene | ND | 5.0 | " | | | | | | | |
| Benzoic acid | ND | 10 | " | | | | | | | |
| Benzo (a) anthracene | ND | 5.0 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 5.0 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 5.0 | " | | | | | | | |
| Benzo (ghi) perylene | ND | 10 | " | | | | | | | |
| Benzo (a) pyrene | ND | 5.0 | " | | | | | | | |
| Benzyl alcohol | ND | 10 | " | | | | | | | |
| Bis(2-chloroethoxy)methane | ND | 5.0 | " | | | | | | | |
| Bis(2-chloroethyl)ether | ND | 10 | " | | | | | | | |
| Bis(2-chloroisopropyl)ether | ND | 5.0 | " | | | | | | | |
| Bis(2-ethylhexyl)phthalate | ND | 10 | " | | | | | | | |
| 4-Bromophenyl phenyl ether | ND | 5.0 | " | | | | | | | |
| Butyl benzyl phthalate | ND | 5.0 | " | | | | | | | |
| 4-Chloroaniline | ND | 50 | " | | | | | | | |
| 2-Chloronaphthalene | ND | 5.0 | " | | | | | | | |
| 4-Chloro-3-methylphenol | ND | 5.0 | " | | | | | | | |
| 2-Chlorophenol | ND | 5.0 | " | | | | | | | |
| 4-Chlorophenyl phenyl ether | ND | 10 | " | | | | | | | |
| Chrysene | ND | 5.0 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 5.0 | " | | | | | | | |
| Dibenzofuran | ND | 5.0 | " | | | | | | | |
| Di-n-butyl phthalate | ND | 5.0 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 10 | " | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 50 | " | | | | | | | |
| 2,4-Dichlorophenol | ND | 5.0 | " | | | | | | | |
| Diethyl phthalate | ND | 5.0 | " | | | | | | | |
| 2,4-Dimethylphenol | ND | 10 | " | | | | | | | |
| Dimethyl phthalate | ND | 5.0 | " | | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 5.0 | " | | | | | | | |
| 2,4-Dinitrophenol | ND | 10 | " | | | | | | | |
| 2,4-Dinitrotoluene | ND | 5.0 | " | | | | | | | |



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| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3J29029 - EPA 3510C SepFunnel** | | | | | | | | | | |
| **Blank (3J29029-BLK1)** | | | | Prepared: 10/29/03 Analyzed: 10/30/03 | | | | | | |
| 2,6-Dinitrotoluene | ND | 5.0 | ug/l | | | | | | | |
| Di-n-octyl phthalate | ND | 10 | " | | | | | | | |
| Fluoranthene | ND | 5.0 | " | | | | | | | |
| Fluorene | ND | 5.0 | " | | | | | | | |
| Hexachlorobenzene | ND | 5.0 | " | | | | | | | |
| Hexachlorobutadiene | ND | 10 | " | | | | | | | |
| Hexachlorocyclopentadiene | ND | 10 | " | | | | | | | |
| Hexachloroethane | ND | 10 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 10 | " | | | | | | | |
| Isophorone | ND | 5.0 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 5.0 | " | | | | | | | |
| 2-Methylphenol | ND | 5.0 | " | | | | | | | |
| 4-Methylphenol | ND | 5.0 | " | | | | | | | |
| Naphthalene | ND | 5.0 | " | | | | | | | |
| 2-Nitroaniline | ND | 10 | " | | | | | | | |
| 3-Nitroaniline | ND | 100 | " | | | | | | | |
| 4-Nitroaniline | ND | 50 | " | | | | | | | |
| Nitrobenzene | ND | 5.0 | " | | | | | | | |
| 2-Nitrophenol | ND | 5.0 | " | | | | | | | |
| 4-Nitrophenol | ND | 10 | " | | | | | | | |
| N-Nitrosodiphenylamine | ND | 10 | " | | | | | | | |
| N-Nitrosodi-n-propylamine | ND | 5.0 | " | | | | | | | |
| Pentachlorophenol | ND | 10 | " | | | | | | | |
| Phenanthrene | ND | 5.0 | " | | | | | | | |
| Phenol | ND | 5.0 | " | | | | | | | |
| Pyrene | ND | 5.0 | " | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 10 | " | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 5.0 | " | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 5.0 | " | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *36.6* | | " | *50.0* | | *73.2* | *31-73* | | | *S-LIM* |
| *Surrogate: Phenol-d6* | *22.4* | | " | *50.0* | | *44.8* | *24-48* | | | |
| *Surrogate: Nitrobenzene-d5* | *45.6* | | " | *50.0* | | *91.2* | *66-107* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *51.3* | | " | *50.0* | | *103* | *61-110* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *32.3* | | " | *50.0* | | *64.6* | *46-110* | | | |
| *Surrogate: p-Terphenyl-d14* | *51.9* | | " | *50.0* | | *104* | *63-136* | | | |



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| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3J29029 - EPA 3510C SepFunnel** | | | | | | | | | | |
| **Laboratory Control Sample (3J29029-BS1)** | | | | Prepared: 10/29/03 Analyzed: 10/30/03 | | | | | | |
| Acenaphthene | 50.5 | 5.0 | ug/l | 50.0 | | 101 | 64-110 | | | |
| 4-Chloro-3-methylphenol | 37.3 | 5.0 | " | 50.0 | | 74.6 | 66-112 | | | |
| 2-Chlorophenol | 33.1 | 5.0 | " | 50.0 | | 66.2 | 59-99 | | | |
| 1,4-Dichlorobenzene | 39.0 | 10 | " | 50.0 | | 78.0 | 52-93 | | | |
| 2,4-Dinitrotoluene | 38.0 | 5.0 | " | 50.0 | | 76.0 | 63-116 | | | |
| 4-Nitrophenol | 22.4 | 10 | " | 50.0 | | 44.8 | 14-66 | | | |
| N-Nitrosodi-n-propylamine | 33.0 | 5.0 | " | 50.0 | | 66.0 | 61-109 | | | |
| Pentachlorophenol | 29.2 | 10 | " | 50.0 | | 58.4 | 46-117 | | | |
| Phenol | 22.9 | 5.0 | " | 50.0 | | 45.8 | 18-61 | | | |
| Pyrene | 56.2 | 5.0 | " | 50.0 | | 112 | 62-123 | | | |
| 1,2,4-Trichlorobenzene | 39.5 | 10 | " | 50.0 | | 79.0 | 56-100 | | | |
| *Surrogate: 2-Fluorophenol* | *33.6* | | *"* | *50.0* | | *67.2* | *31-73* | | | |
| *Surrogate: Phenol-d6* | *22.8* | | *"* | *50.0* | | *45.6* | *24-48* | | | |
| *Surrogate: Nitrobenzene-d5* | *44.4* | | *"* | *50.0* | | *88.8* | *66-107* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *48.1* | | *"* | *50.0* | | *96.2* | *61-110* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *35.2* | | *"* | *50.0* | | *70.4* | *46-110* | | | |
| *Surrogate: p-Terphenyl-d14* | *49.5* | | *"* | *50.0* | | *99.0* | *63-136* | | | |
| **Laboratory Control Sample Dup (3J29029-BSD1)** | | | | Prepared: 10/29/03 Analyzed: 10/30/03 | | | | | | |
| Acenaphthene | 51.5 | 5.0 | ug/l | 50.0 | | 103 | 64-110 | 1.96 | 20 | |
| 4-Chloro-3-methylphenol | 36.9 | 5.0 | " | 50.0 | | 73.8 | 66-112 | 1.08 | 20 | |
| 2-Chlorophenol | 32.5 | 5.0 | " | 50.0 | | 65.0 | 59-99 | 1.83 | 20 | |
| 1,4-Dichlorobenzene | 38.0 | 10 | " | 50.0 | | 76.0 | 52-93 | 2.60 | 20 | |
| 2,4-Dinitrotoluene | 40.5 | 5.0 | " | 50.0 | | 81.0 | 63-116 | 6.37 | 20 | |
| 4-Nitrophenol | 23.8 | 10 | " | 50.0 | | 47.6 | 14-66 | 6.06 | 20 | |
| N-Nitrosodi-n-propylamine | 32.5 | 5.0 | " | 50.0 | | 65.0 | 61-109 | 1.53 | 20 | |
| Pentachlorophenol | 26.4 | 10 | " | 50.0 | | 52.8 | 46-117 | 10.1 | 20 | |
| Phenol | 23.2 | 5.0 | " | 50.0 | | 46.4 | 18-61 | 1.30 | 20 | |
| Pyrene | 54.7 | 5.0 | " | 50.0 | | 109 | 62-123 | 2.71 | 20 | |
| 1,2,4-Trichlorobenzene | 39.1 | 10 | " | 50.0 | | 78.2 | 56-100 | 1.02 | 20 | |
| *Surrogate: 2-Fluorophenol* | *34.5* | | *"* | *50.0* | | *69.0* | *31-73* | | | |
| *Surrogate: Phenol-d6* | *22.3* | | *"* | *50.0* | | *44.6* | *24-48* | | | |
| *Surrogate: Nitrobenzene-d5* | *43.0* | | *"* | *50.0* | | *86.0* | *66-107* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *48.3* | | *"* | *50.0* | | *96.6* | *61-110* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *36.1* | | *"* | *50.0* | | *72.2* | *46-110* | | | |
| *Surrogate: p-Terphenyl-d14* | *50.7* | | *"* | *50.0* | | *101* | *63-136* | | | |



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

Sequoia Analytical

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

| | | |
|---|---|---|
| URS Corporation [Arco] | Project: ARCO #601, San Leandro, CA | MMJ0886 |
| 500 12th Street, Suite 200 | Project Number: INTRIM -50677 | **Reported:** |
| Oakland CA, 94607 | Project Manager: Scott Robinson | 11/13/03 09:01 |

## Notes and Definitions

| | |
|---|---|
| QR-02 | The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| S-LIM | The surrogate recovery was outside control limits. The result may still be useful for its intended purpose. |
| 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 |



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

MM30886

Page 1 of 2

# Chain of Custody Record

bp

Project Name GDI GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 10/23/03 Requested Due Date (mm/dd/yy) ___ 14 day TAT

On-site Time: 915 Temp: 70
Off-site Time: 1415 Temp: 75
Sky Conditions: clear
Meteorological Events:
Wind Speed: Direction:

| | | | |
|---|---|---|---|
| Send To: | | BP/GEM Facility No.: ARCO 601 | Consultant/Contractor: URS |
| Lab Name: SEQUOIA | | BP/GEM Facility Address: 712 Lewelling Blvd, San Leandro, CA | Address: 500 12th St., Ste. 200 |
| Lab Address: 885 Jarvis Dr. | | Site ID No. ARCO 601 | Oakland, CA 94609-4014 |
| Morgan Hill, CA 95037 | | Site Lat/Long: | e-mail EDD: donna.cosper@URSCorp.com |
| | | California Global ID #: T0600100108 | Consultant/Contractor Project No.: 35-00000601.01 00427 |
| Lab PM Theresa Allen | | BP/GEM PM Contact: PAUL SUPPLE | Consultant Tele/Fax: 510-893-3600/510-874-3268 |
| Tele/Fax: 408-776-9600 / 408-782-6308 | | Address: P.O. Box 6549 | Consultant/Contractor PM: Scott Robinson |
| Report Type & QC Level: 1 Send EDF Reports | | Moraga, CA 94570 | Invoice to: Consultant/Contractor or BP/GEM (Circle one) |
| BP/GEM Account No.: | | Tele/Fax: 925-299-8891/925-299-8872 | BP/GEM Work Release No: INTRIM -50677 |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Matrix: Soil/Solid | Water/Liquid | Sediments | Air | Laboratory No. | No. of containers | Preservatives: Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | TPH-G / BTEX (8015/8021, 8260) | TPH-D (8015) | MTBE (8021) | MTBE (8260) | MTBE, TAME, ETBE, DIPE, TBA (8260) | 1,2-DCA & EDB (8260) | Ethanol (8260) | SVOCs (8270) | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ✓ MW-1 | 1120 | | 4 | | | MM30886-01 | 5 | | | | ✓ | ✓ | | | | ✓ | ✓ | | ✓ | |
| 2 | ✓ MW-2 | 1330 | | ✓ | | | -02 | 6 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 3 | ✓ MW-3 | 1155 | | ✓ | | | -03 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 4 | ✓ MW-4 | 1030 | | ✓ | | | -04 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 5 | ✓ MW-5 | 1010 | | ✓ | | | -05 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 6 | MW-6 | | | | | | | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 7 | ✓ MW-7 | 1100 | | ✓ | | | -06 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 8 | ✓ MW-8 | 1050 | | ✓ | | | -07 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 9 | ✓ MW-11 | 1245 | | ✓ | | | -08 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 10 | ✓ MW-12 | 1220 | | ✓ | | | -09 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |

| | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|
| Sampler's Name: Johnathan DeJong | | | | | | |
| Sampler's Company: Blaine Tech Services | | | | | | |
| Shipment Date: | | 10/24 | 18:52 | | 10/24/03 | 11:45 |
| Shipment Method: | | | | | | 185° |
| Shipment Tracking No: | | | | | | |

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

Custody Seals In Place Yes ✓ No ___ Temperature Blank Yes ✓ No ___ Cooler Temperature on Receipt ___ °F/C Trip Blank Yes ✓ No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 3/5/02

MMJ30866

Page 2 of 2

# Chain of Custody Record

bp

Project Name 601 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

Date: 10/23/03

| | |
|---|---|
| On-site Time: 915 | Temp: 70 |
| Off-site Time: 1415 | Temp: 75 |
| Sky Conditions: Clear | |
| Meteorological Events: | |
| Wind Speed: | Direction: |

| | |
|---|---|
| Send To: | |
| Lab Name: SEQUOIA | |
| Lab Address: 885 Jarvis Dr. | |
| Morgan Hill, CA 95037 | |
| Lab PM Theresa Allen | |
| Tele/Fax: 408-776-9600 / 408-782-6308 | |
| Report Type & QC Level: 1 Send EDF Reports | |
| BP/GEM Account No.: | |

| | |
|---|---|
| BP/GEM Facility No.: ARCO 601 | |
| BP/GEM Facility Address: 712 Lewelling Blvd, San Leandro, CA | |
| Site ID No. ARCO 601 | |
| Site Lat/Long: | |
| California Global ID #: T0600100108 | |
| BP/GEM PM Contact: PAUL SUPPLE | |
| Address: P.O. Box 6549 | |
| Moraga, CA 94570 | |
| Tele/Fax: 925-299-8891/925-299-8872 | |

| | |
|---|---|
| Consultant/Contractor: URS | |
| Address: 500 12th St., Ste. 200 | |
| Oakland, CA 94609-4014 | |
| e-mail EDD: donna_cosper@URSCorp.com | |
| Consultant/Contractor Project No.: 15-00000601.01 00427 | |
| Consultant Tele/Fax: 510-893-3600/510-874-3268 | |
| Consultant/Contractor PM: Scott Robinson | |
| Invoice to: Consultant/Contractor or BP/GEM (Circle one) | |
| BP/GEM Work Release No: INTRIM -50677 | |

Lab Bottle Order No:

| Item No. | Sample Description | Time | Matrix: Soil/Solid | Matrix: Water/Liquid | Matrix: Sediments | Matrix: Air | Laboratory No. | No. of containers | Preservatives: Unpreserved | Preservatives: $H_2SO_4$ | Preservatives: $HNO_3$ | Preservatives: HCl | Requested Analysis: TPH-G / BTEX (8015/8021 or 8260) | Requested Analysis: TPH-D (8015) | Requested Analysis: MTBE (8021) | Requested Analysis: MTBE (8260) | Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260) | Requested Analysis: 1,2-DCA & EDB (8260) | Requested Analysis: Ethanol (8260) | Requested Analysis: SVOC's (8270) | Sample Point Lat/Long and Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ✓ MW-13 | 1320 | | ✓ | | | -10 | 3 | | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| 2 | ✓ Trip Blank | — | | ✓ | | | -11 | 2 | | | | ✓ | | | | | | | | | on hold |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
|---|---|---|---|---|---|---|
| Sampler's Name: Johnathan DeJong | | | | | | |
| Sampler's Company: Blaine Tech Services | | | | | | |
| Shipment Date: | MD | 10/24 | 18:50 | | 10/24/03 | 11:45 |
| Shipment Method: | | | | | | 1850 |
| Shipment Tracking No: | | | | | | |

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

Custody Seals In Place: Yes ✓ No ___ Temperature Blank Yes ✓ No ___ Cooler Temperature on Receipt ( )°F/C Trip Blank Yes ✓ No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: UKS
REC. BY (PRINT): TL
WORKORDER: MM30886

DATE REC'D AT LAB: 10/24/03
TIME REC'D AT LAB: 1850
DATE LOGGED IN: 10-27-03

Drinking water for regulatory purposes: YES / (NO)
Wastewater for regulatory purposes: YES / (NO)

| CIRCLE THE APPROPRIATE RESPONSE | LAB SAMPLE # | DASH # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|---|---|---|---|---|---|---|---|
| 1. Custody Seal(s): (Present) / Absent; Intact / Broken* | 01 | | MW-1 | (2) 1L Amber | – | L | 10/23/03 | 3237090 |
| | ↓ | | ↓ | (3) VOAs | HCl | | | |
| 2. Chain-of-Custody: (Present) / Absent* | 02 | | MW-2 | (2) VOAs | HCl | | | |
| 3. Traffic Reports or Packing List: Present / (Absent) | 03 | | MW-3 | (3) VOAs | HCl | | | |
| 4. Airbill: Airbill / Sticker Present / (Absent) | 04 | | – 4 | | | | | |
| | 05 | | – 5 | | | | | |
| 5. Airbill #: | 06 | | – 7 | | | | | |
| | 07 | | – 8 | | | | | |
| 6. Sample Labels: (Present) / Absent | 08 | | – 11 | | | | | |
| 7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody | 09 | | – 12 | | | | | |
| | 10 | | – 13 | | | | | |
| 8. Sample Condition: (Intact) / Broken* / Leaking* | 11 | | Trip blank | (2) | | | | |
| 9. Does information on custody reports, traffic reports and sample labels agree? (Yes) / No* | | | | | | | | |
| 10. Sample received within hold time: (Yes) / No* | | | | | | | | |
| 11. Proper Preservatives used: (Yes) / No* | | | | | | | | |
| 12. Temp Rec. at Lab: 5°C; Is temp 4 +/-2°C? (Yes) / No** | | | | | | | | |

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DFP (Direct From Field) or Problem COC

10/25 10:1 TL

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

# ATTACHMENT C

# EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

## Error Summary Log

*12/05/03*

EDF 1.2i All files present in deliverable.

| | |
|---|---|
| Laboratory: | Sequoia Analytical Laboratories, Inc., Morgan Hill, CA |
| Project Name: | ARCO #601, San Leandro, C |
| Work Order Number: | MMJ0886 |
| Global ID: | T0600100108 |
| Lab Report Number: | MMJ0886111320030901 |

# Report Summary

| Labreport | Sampid | Labsampid | Mtrx | QC | Anmcode | Exmcode | Logdate | Extdate | Anadate | Lablotctl | Run | Sub |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MMJ08861113200 30901 | MW-1 | MMJ088601 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-1 | MMJ088601 | W | CS | SW8270C | SW3510C | 10/23/03 | 10/29/03 | 10/31/03 | 3J29029 | 1 | |
| MMJ08861113200 30901 | MW-11 | MMJ088608 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-12 | MMJ088609 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-13 | MMJ088610 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-2 | MMJ088602 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-3 | MMJ088603 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-4 | MMJ088604 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-5 | MMJ088605 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-7 | MMJ088606 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| MMJ08861113200 30901 | MW-8 | MMJ088607 | W | CS | 8260TPH | SW5030B | 10/23/03 | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| | | 3J29029BSD1 | WQ | BD1 | SW8270C | SW3510C | / / | 10/29/03 | 10/30/03 | 3J29029 | 1 | |
| | | 3J29029BS1 | WQ | BS1 | SW8270C | SW3510C | / / | 10/29/03 | 10/30/03 | 3J29029 | 1 | |
| | | 3J29029BLK1 | WQ | LB1 | SW8270C | SW3510C | / / | 10/29/03 | 10/30/03 | 3J29029 | 1 | |
| | | 3K06001BSD1 | WQ | BD1 | 8260TPH | SW5030B | / / | 11/06/03 | 11/07/03 | 3K06001 | 1 | |
| | | 3K06001BSD2 | WQ | BD2 | 8260TPH | SW5030B | / / | 11/06/03 | 11/07/03 | 3K06001 | 1 | |
| | | 3K06001BS1 | WQ | BS1 | 8260TPH | SW5030B | / / | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| | | 3K06001BS2 | WQ | BS2 | 8260TPH | SW5030B | / / | 11/06/03 | 11/06/03 | 3K06001 | 1 | |
| | | 3K06001BLK1 | WQ | LB1 | 8260TPH | SW5030B | / / | 11/06/03 | 11/06/03 | 3K06001 | 1 | |

# EDFSAMP: Error Summary Log

*12/05/03*

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

# EDFTEST: Error Summary Log

*12/05/03*

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

# EDFRES: Error Summary Log

*12/05/03*

| Error type | Labsampid | Qccode | Matrix | Anmcode | Pvccode | Anadate | Run number | Parlabel |
|---|---|---|---|---|---|---|---|---|
| Warning: extra parameter | MMJ088601 | CS | W | SW8270C | PR | 10/31/03 | 1 | DN46M |
| Warning: extra parameter | 3J29029BLK1 | LB1 | WQ | SW8270C | PR | 10/30/03 | 1 | DN46M |

# EDFQC: Error Summary Log

*12/05/03*

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

# EDFCL: Error Summary Log

*12/05/03*

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

# AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

**Confirmation Number:** 8340233504
**Date/Time of Submittal:** 12/5/2003 4:12:59 PM
**Facility Global ID:** T0600100108
**Facility Name:** ARCO # 00601
**Submittal Title:** 4th Qtr 2003 Monitoring Report
**Submittal Type:** GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

# AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

## UPLOADING A GEO_WELL FILE

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

| | |
|---|---|
| **Submittal Title:** | **4th Qtr 2003 Geowell for #601** |
| **Submittal Date/Time:** | **12/5/2003 4:13:28 PM** |
| **Confirmation Number:** | **4465839982** |

**Back to Main Menu**

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.