



Environmental Health

EEB 3 1 5003

February 19, 2003

Alameda County

Ms. Susan Hugo Alameda County Health Care Services 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502

Re: Fourth Quarter 2002 Groundwater Monitoring Report

Former ARCO Service Station #0374

6407 Telegraph Avenue Oakland, California URS Project #38486086 Alameda County
FEB 2 7 2003
Environmental Health

ERIN GARNER

No. 0243

Dear Ms. Hugo:

On behalf of Atlantic Richfield Company (ARCO - an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Fourth Quarter 2002 Groundwater Monitoring Report* for Former ARCO Service Station #0374, located at 6407 Telegraph Avenue, Oakland, California.

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

Sincerely,

URS CORPORATION

cut Run.

Scott Robinson

Project Manager

cc:

Erin Garner, CHG Project Director

Enclosure: Fourth Quarter 2002 Groundwater Monitoring Report

Mr. Chuck Headlee, California Regional Water Quality Control Board 1515 Clay

Street, Suite 1400 Oakland, CA 94612

Mr. Paul Supple, ARCO, PO Box 6549, Moraga, CA 94570





Atlantic Richfield Company (a BP affiliated company)

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

February 19, 2003

Re: Fourth Quarter 2002 Groundwater Monitoring Report ARCO Station #374 6407 Telegraph Ave. Oakland, CA.

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

FOURTH QUARTER 2002 GROUNDWATER MONITORING

FORMER ARCO SERVICE STATION #0374 6407 TELEGRAPH AVENUE OAKLAND, CALIFORNIA

Prepared for Atlantic Richfield Company

February 19, 2003



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

| Date: | February 19, 2003 |
|----------|-------------------|
| Quarter: | 4Q 02 |

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

| Facility No.: | 0374 | Address: | 6407 Telegraph Avenue, Oakland CA | |
|-------------------------|--------------------|--------------|-----------------------------------|--|
| Atlantic Richfiel | d Co. Environmenta | ıl Engineer: | Paul Supple | |
| Consulting Co./C | Contact Person: | | URS Corporation/ Scott Robinson | |
| Consultant Project No.: | | | 38486086 | |
| Primary Agency | | | ACHCSA | |

WORK PERFORMED THIS QUARTER

(Fourth - 2002):

- 1. Performed fourth quarter 2002 groundwater monitoring event on December 6, 2002.
- 2. Prepared third quarter 2002 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (First – 2003):

- 1. Perform first quarter 2003 groundwater monitoring event.
- 2. Prepare and submit fourth quarter 2002 groundwater monitoring report.

| GW monitoring/sampling |
|---|
| Quarterly: M-5 |
| Semi-Annually: M-3, M-4, M-5 (2 nd & 4 th) |
| Annually: M-1 M-6 (2 nd) |
| Quarterly |
| No |
| ORC Socks |
| 5.29 (MW-6) to 8.65 (MW-5) feet |
| Southwest |
| 0.020 feet per foot |
| |

DISCUSSION:

TPH-g and benzene were detected in one of the three wells sampled this quarter (MW-4) at concentrations of 1,500 μ g/L and 410 μ g/L, respectively. MTBE was was detected in two wells at concentrations of 6.2 μ g/L (MW-3) and 43 μ g/L (MW-4).

RECOMMENDATIONS:

We recommend changing the sampling frequency of well MW-5 from quarterly to annually. This well has never had a detection above the laboratory reporting limits.



ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Data
- Table 2 Groundwater Flow Direction and Gradient
- Figure 1 Groundwater Elevation Contour and Analytical Summary Map December 6, 2002
- Attachment A Field Procedures and Field Data Sheets
- Attachment B Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C Historic Groundwater Data
- Attachment D EDCC Report and EDF/Geowell Submittal Confirmation

Table 1

Groundwater Elevation and Analytical Data

| Well Number | Date Sampled | Top of Riser Elevation (ft) | Depth to Groundwater (ft) | Groundwater Elevation (ft) | Benzene (mg/L) | Toluene (mg/L) | Ethyl- benzene (mg/L) | Total Xylenes (mg/L) | TPH as Gasoline (mg/L) | MTBE (mg/L) |
|----------------|-----------------|-----------------------------------|---------------------------------|----------------------------------|-------------------|-------------------|-----------------------------|----------------------------|------------------------------|----------------|
| MW-1 | 6/20/2000 | 158.91 | 6.86 | 152.05 | NS | NS | NS | NS | NS | NS |
| | 9/28/2000 | | 7.50 | 151.41 | NS | NS | NS | NS | NS | NS |
| | 12/17/2000 | | 7.49 | 151.42 | NS | NS | NS | NS | NS | NS |
| | 3/23/2001 | | 5.90 | 153.01 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 2,710 |
| | 6/21/2001 | | 7.45 | 151.46 | NS | NS | NS | NS | NS | NS |
| | 9/23/2001 | | 8.46 | 150.45 | NS | NS | NS | NS | NS | NS |
| | 12/31/2001 | | 5.50 | 153.41 | NS | NS | NS | NS | NS | NS |
| | 3/21/2002 | | 4.71 | 154.2 | ND<50 | ND<50 | ND<50 | ND<50 | ND<5,000 | 2,000 |
| | 4/17/2002 | | 5.54 | 153.37 | NS | NS | NS | NS | NS | NS |
| | 8/12/2002 | | 7.77 | 151.14 | NS | NS | NS | NS | NS | NS |
| | 12/6/2002 | | 7.65 | 151.26 | NS | NS | NS | NS | NS | NS |
| MW-2 | 6/20/2000 | 157.92 | 7.67 | 150.25 | NS | NS | NS | NS | NS | NS |
| | 9/28/2000 | | 8.51 | 149.41 | NS | NS | NS | NS | NS | NS |
| | 12/17/2000 | | 8.14 | 149.78 | NS | NS | NS | NS | NS | NS |
| | 3/23/2001 | | 7.21 | 150.71 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | ND<2.5 |
| | 6/21/2001 | | 7.99 | 149.93 | NS | NS | NS | NS | NS | NS |
| | 9/23/2001 | | 8.52 | 149.4 | NS | NS | NS | NS | NS | NS |
| | 12/31/2001 | | 6.01 | 151.91 | NS | NS | NS | NS | NS | NS |
| | 3/21/2002 | | 5.95 | 151.97 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 45 |
| | 4/17/2002 | | 6.45 | 151.47 | NS | NS | NS | NS | NS | NS |
| | 8/12/2002 | | 8.08 | 149.84 | NS | NS | NS | NS | NS | NS |
| | 12/6/2002 | | 8.29 | 149.63 | NS | NS | NS | NS | NS | NS |

Table 1

Groundwater Elevation and Analytical Data

| Well Number | Date Sampled | Top of Riser Elevation (ft) | Depth to Groundwater (ft) | Groundwater Elevation (ft) | Benzene (mg/L) | Toluene (mg/L) | Ethyl- benzene (mg/L) | Total Xylenes (mg/L) | TPH as Gasoline (mg/L) | MTBE (mg/L) |
|----------------|-----------------|-----------------------------------|---------------------------------|----------------------------------|-------------------|-------------------|-----------------------------|----------------------------|------------------------------|----------------|
| MW-3 | 6/20/2000 | 153.64 | 6.42 | 147.22 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<50 | ND<10 |
| | 9/28/2000 | | 7.31 | 146.33 | NS | NS | NS | NS | NS | NS |
| | 12/17/2000 | | 6.45 | 147.19 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | ND<2.5 |
| | 3/23/2001 | | 6.01 | 147.63 | NS | NS | NS | NS | NS | NS |
| | 6/21/2001 | | 6.80 | 146.84 | 5.5 | ND<0.5 | 5.4 | 4.1 | 110 | 2.5 |
| | 9/23/2001 | | 7.32 | 146.32 | NS | NS | NS | NS | NS | NS |
| | 12/31/2001 | | 4.48 | 149.16 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 4.9 |
| | 3/21/2002 | | 4.36 | 149.28 | NS | NS | NS | NS | NS | NS |
| | 4/17/2002 | | 5.31 | 148.33 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 8.7 |
| | 8/12/2002 | | 7.00 | 146.64 | NS | NS | NS | NS | NS | NS |
| | 12/6/2002 | | 7.32 | 146.32 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 6.2 |
| MW-4 | 6/20/2000 | 156.53 | 7.50 | 149.03 | 5,100 | 440 | 1,000 | 1,700 | 20,000 | ND<250 |
| | 9/28/2000 | | 8.20 | 148.33 | NS | NS | NS | NS | NS | NS |
| | 12/17/2000 | | 8.11 | 148.42 | 1,240 | ND<20 | 27.2 | 249 | 4,320 | ND<100 |
| | 3/23/2001 | | 6.69 | 149.84 | NS | NS | NS | NS | NS | NS |
| | 6/21/2001 | | 8.01 | 148.52 | 470 | 16 | 19 | 160 | 2,800 | 130 |
| | 9/23/2001 | | 8.91 | 147.62 | NS | NS | NS | NS | NS | NS |
| | 12/31/2001 | | 4.42 | 152.11 | 1,500 | 100 | 160 | 210 | 4,600 | 160 |
| | 3/21/2002 | | 4.98 | 151.55 | NS | NS | NS | NS | NS | NS |
| | 4/17/2002 | | 6.23 | 150.30 | 2,200 | 110 | 290 | 450 | 7,100 | ND<250 |
| | 8/12/2002 | | 8.24 | 148.29 | NS | NS | NS | NS | NS | NS |
| | 12/6/2002 | | 8.42 | 148.11 | 410 | 6.8 | 20 | 29 | 1,500° | 43 |

Table 1

Groundwater Elevation and Analytical Data

| Well Number | Date Sampled | Top of Riser Elevation (ft) | Depth to Groundwater (ft) | Groundwater Elevation (ft) | Benzene (mg/L) | Toluene (mg/L) | Ethyl- benzene (mg/L) | Total Xylenes (mg/L) | TPH as Gasoline (mg/L) | MTBE (mg/L) |
|----------------|-----------------|-----------------------------------|---------------------------------|----------------------------------|-------------------|-------------------|-----------------------------|----------------------------|------------------------------|----------------|
| MW-5 | 6/20/2000 | 151.33 | 7.84 | 143.49 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND<50 | ND<10 |
| | 9/28/2000 | | 8.37 | 142.96 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | ND<2.5 |
| | 12/17/2000 | | 8.36 | 142.97 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 3/23/2001 | | 7.55 | 143.78 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 6/21/2001 | | 8.20 | 143.13 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 9/23/2001 | | 8.68 | 142.65 | ND<0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 12/31/2001 | | 7.57 | 143.76 | ND<0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 3/21/2002 | | 6.12 | 145.21 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 3.2 |
| | 4/17/2002 | | 6.61 | 144.72 | ND<0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 8/12/2002 | | 8.14 | 143.19 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | ND<2.5 |
| | 12/6/2002 | | 8.65 | 142.68 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | ND<2.5 |
| MW-6 | 6/20/2000 | 153.84 | 4.79 | 149.05 | NS | NS | NS | NS | NS | NS |
| | 9/28/2000 | | 5.39 | 148.45 | NS | NS | NS | NS | NS | NS |
| | 12/17/2000 | | 4.71 | 149.13 | NS | NS | NS | NS | NS | NS |
| | 3/23/2001 | | 4.69 | 149.15 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND< 0.5 | ND<50 | ND<2.5 |
| | 6/21/2001 | | 5.22 | 148.62 | NS | NS | NS | NS | NS | NS |
| | 9/23/2001 | | 5.40 | 148.44 | NS | NS | NS | NS | NS | NS |
| | 12/31/2001 | | 3.95 | 149.89 | NS | NS | NS | NS | NS | NS |
| | 3/21/2002 | | 2.94 | 150.9 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<50 | 5.2 |
| | 4/17/2002 | | 5.11 | 148.73 | NS | NS | NS | NS | NS | NS |
| | 8/12/2002 | | 5.23 | 148.61 | NS | NS | NS | NS | NS | NS |
| | 12/6/2002 | | 5.29 | 148.55 | NS | NS | NS | NS | NS | NS |

TPH = Total Petroleum Hydrocarbons

The data within this table collected prior to August 2002 was provided to URS by Group Environmental Management Company and its previous consultants. URS has not verified the accuracy

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted

mg/L = Micrograms per liter

NM = Not measured

NS = Not sampled

a = Chromatogram Pattern: Gasoline C6-C10

ND< = less than laboratory detection limit stated to the right

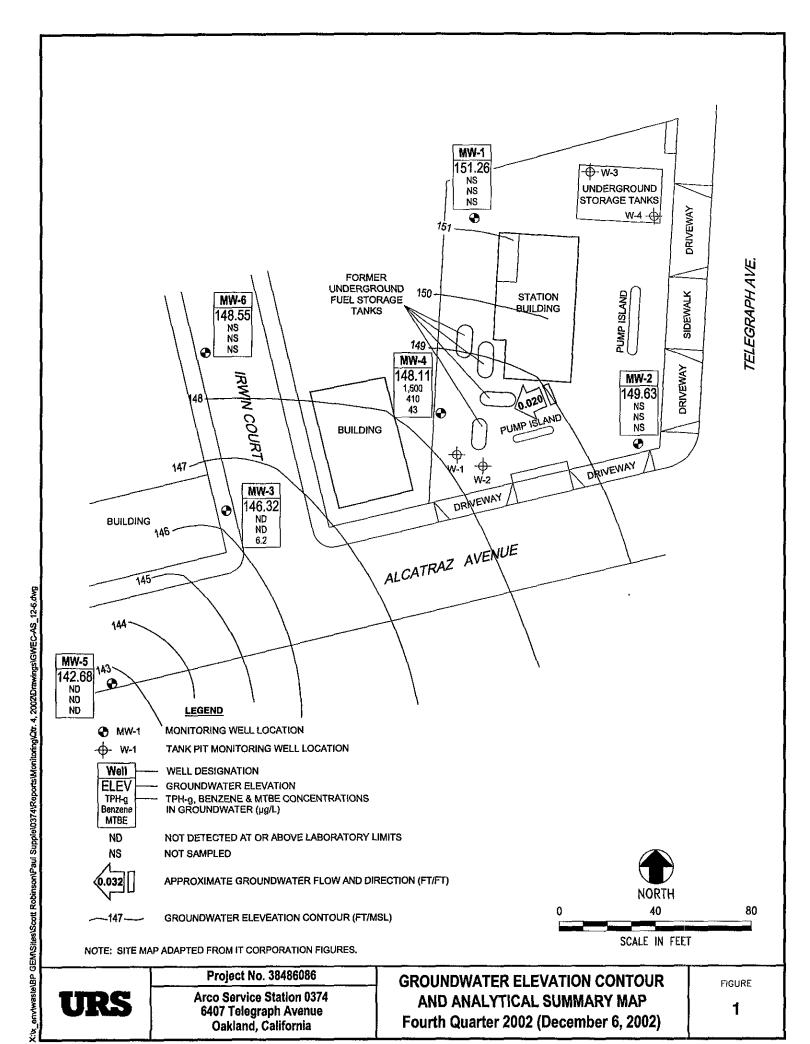
Table 2

Groundwater Flow Direction and Gradient

| Date Measured | Average Flow Direction | Average Hydraulic Gradient |
|---------------|---------------------------|-------------------------------|
| 01/31/1996 | Southwest | 0.04 |
| 04/10/1996 | Southwest | 0.04 |
| 07/16/1996 | Southwest | 0.03 |
| 10/14/1996 | Southwest | 0.03 |
| 03/27/1997 | Southwest | 0.04 |
| 05/27/1997 | Southwest | 0.03 |
| 08/12/1997 | Southwest | 0.04 |
| 11/17/1997 | Southwest | 0.03 |
| 03/16/1998 | Southwest | 0.03 |
| 05/12/1998 | Southwest | 0.04 |
| 07/27/98 | Southwest | 0.04 |
| 10/15/98 | Southwest | 0.02 |
| 02/18/99 | Southwest | 0.05 |
| 05/24/99 | Southwest | 0.03 |
| 08/27/99 | Southwest | 0.03 |
| 10/26/99 | Southwest | 0.03 |
| 02/03/00 | Southwest | 0.047 |
| 06/20/00 | Southwest | 0.035 |
| 09/28/00 | Southwest | 0.034 |
| 12/17/00 | Southwest | 0.032 |
| 03/23/01 | Southwest | 0.034 |
| 06/21/01 | Southwest | 0.032 |
| 09/23/01 | Southwest | 0.029 |
| 12/31/01 | Southwest | 0.043 |
| 03/21/02 | Southwest | 0.038 |
| 04/17/02 | Southwest | 0.031 |
| 08/12/02 | Southwest | 0.032 |
| 12/06/02 | Southwest | 0.020 |

Note:

The data within this table collected prior to August 2002 was provided to URS by Group Environmental Management Company and its 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 TeflonTM 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 # 021206-PHZ | Date 12/6/02 | Client | BP/Arco | 374 |
|----------------------------|--------------|--------|---------|-----|
| | | | 1 | |
| Site 6407 Tolegraph Ave, o | Dalcland | | | , |

| ····· | i | | , | Thickness | Volume of | | | <u> </u> | |
|-------------|---------------|---------|--------------|--------------|-----------------------------|----------------|---------------|----------|-----|
| | Well | | Depth to | of ; | Immiscibles | | | Survey. | |
| | Size | Sheen / | Immiscible | 1 ' | | Depth to water | Depth to well | | , |
| 377-11 773 | (in.) | Odor | i e | Liquid (ft.) | (ml) | (ft.) | bottom (ft.) | or TOC | |
| Well ID | (1117) | Ogor | riduin (11.) | ridum (ir.) | (411) | (11.,) | Dottom (II.) | 01/100) | · |
| mw-1 | 4 | | | , | | 7.65 | 26.72 | | 6 |
| MW-Z | 4 | | · | | · | 8.29 | 26.29 | | 6: |
| mw-3 | 4 | 900 | ged w/ OPC | inwell , o | ut to sample | 7,37 | 26.76 | | |
| mw-y | 4 | awad | nlorc in | noll cremo | ut to sample refor purze | 8.42 | 26.95 | | |
| MW-5 | 4 | | | | 1 0 | 8.65 | 23.04 | | |
| mw-6 | 4 | , | | | | 5.29 | 14.69 | 1 | 6 |
| | | · · | | | : | | | | 4, |
| | | , | | | • | | | · | · . |
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Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

ARCO / BP WELL MONITORING DATA SHEET

| | | | | ., | | | | |
|---|---------------------------------------|-------|----------------------------|----------------------------|---|--|--|--|
| BTS#: c | 21200-P | 112 | | Station# 37 | 4 | | | |
| Į. | Ryan Ha | | | Date: 12/6/02 | | | | |
| Well I.D. | • | | | Well Diameter | | | | |
| Total We | ll Depth: | 26.76 | | Depth to Wate | r: 7.32 | | | |
| Depth to | Free Produ | | | | ree Product (feet): | | | |
| Reference | ed to: | (PVC) | Grude | D.O. Meter (if | req'd): YSI) HACH | | | |
| | Well Diameter Multiplier 1 0.04 | | | | Multiplier. 0.65 1.47 us ² * 0.163 | | | |
| Purge Method: Bailer Disposable Bailer Middleburg Extraction Pump Other: | | | | Sampling Method: Other: | Bailer Disposable Bailer Extraction Port | | | |
| Top of Scree | l Case Volu | | | ise, the well must be | that water level is below the top purged. 7. 8 Gals. Culated Volume | | | |
| Time | Temp (°F) | Нg | Conductivity (mS or(LS) | Gals. Removed | Observations | | | |
| 1434 | 65.7 | 6.8 | 683 | 12.6 | rloudy | | | |
| 1437 | 67.0 | 6.6 | 606 | 25.2 | clear | | | |
| 1439 | 66.7 | 6.7 | 737 | 37.8 | alkaar brown, cloudy | | | |
| Did well o | lewater? | Yes (| No) | Gallons actuall | y evacuated: 37.9 | | | |
| Sampling Time: 1445 | | | | Sampling Date: 12/6/02 | | | | |
| Sample I.D.: mw-3 | | | | Laboratory: | Pace Seguoia Other | | | |
| Analyzed for: TPH-G BTEX MTBB TPH-D | | | | Other: | | | | |
| D.O. (if re | eq'd): | | Pre-purge: | mg/L | Post-purge: 1.4 mg/L | | | |
| O.R.P. (if | req'd): | | Pre-purge: | mV | Post-purge: mV | | | |

ARCO / BP WELL MONITORING DATA SHEET

| BTS#: 0 | 21206-R | .H2 | | Station # 374 | 4 |
|-------------------------------|----------------------|---|---|--|---|
| Sampler: | Ryan Ha | nstedt | | Date: 12/6/0 | 22 |
| Well I.D.: | Ryan Ha mw- | <u> </u> | *************************************** | Well Diameter | : 2 3 4 6 8 |
| | ll Depth: 4 | | | Depth to Water | T: 8.42 |
| Depth to | Free Produ | ıct: | | Thickness of F | ree Product (feet): |
| Reference | ed to: | (PVC) | Grade | D.O. Meter (if | req'd): У́SI) насн |
| Purps Methe | Wall Diamel 1" 2" 3" | | Multiplier Y 0.04 0.16 0.37 | 4" (6" | Multiplier 0.65 1.47 us ² * 0.163 Bailer |
| Purge Metho | D File E | isposable Bail Middleburg Ciric Submersi xtraction Pum | ible ip | | Disposable Bailor Extraction Port |
| Top of Scree | en: | | | no-purge, confirm ise, the well must be | that water level is below the top e purged. |
| | 1 Case Vol | ame (Gals.) | X Specified Vo | | 36 Guls, culated Volume |
| Time | Temp (°F) | рH | Conductivity (mS or (μS) | Gals. Removed | Observations |
| 1917 | 66.5 | 6.6 | 1210 | 12.0 | blackish, H2S ndor |
| 1519 | 66.9 | 6.7. | 1250 | 24.0 | blackish, HzS ndor clearing w/ less odor |
| 1522 | 46.9 | 6.7 | 1233 | 36,0 | clear |
| | | | | | |
| | | | | | |
| Did well | lewater? | Yes (| No | Gallons actuall | ly evacuated: 36.0 |
| Sampling Time: 1527 | | | | Sampling Date | 12/6/02 |
| Sample l.D.: mw-4 | | | | Laboratory: | Pace Sequoia Other . |
| Analyzed | for: TPI | i-g (btex) | MTBE TPH-D | Other: | |
| D.O. (if ro | eg'd): | | Pre-purge: | ing/L | Post-purge: 1.1 |
| O.R.P. (if req'd): Pre-purge: | | | | | Post-purge: mV |

ARCO / BP WELL MONITORING DATA SHEET

| BTS#: | 021206-1 | 2H2 | | Station# 374 | | | | |
|-------------|------------------------------|---|------------------------------------|--|--|--|--|--|
| Sampler: | Ryan He : mw- | nstedt | | Date: 12/6/02 | | | | |
| Well I.D | : mw- | 5 | | Well Diameter | _ | | | |
| l . | ill Depth: | | | Depth to Wate | | | | |
| | Free Produ | | | | ree Product (feet): | | | |
| Referenc | | (Ŷ∇Ċ) | Grade | D.O. Meter (if | | | | |
| | Woll Diams 1" 2" 3" | ler | Multiplier 0.04 0.16 0.37 | 4" 6" | Multiplier 0.65 1.47 cus ² * 0.163 | | | |
| Purge Meth | D E <u>le</u> F | Bailer isposable Bai Middleburg offic Submers atraction Pun | np | Sampling Method: Other: | Bailer Disposable Bailor Extraction Port | | | |
| Top of Scre | en: | | If well is listed as | a no-purge, confirm ise, the well must be | that water level is below the top purged. | | | |
| | <u> </u> | ume (Gals.) | X Specified Vo | ilumes Cal | 28.2 Gals. culated Volume | | | |
| Time | Temp (°F) | рН | Conductivity (mS or (15) | Gals. Removed | Observations | | | |
| 1457 | 68.1 | 6.8 | 611 | 9.4 | clear | | | |
| 1459 | 69.0 | 6.7 | 608 | 18.8 | clear | | | |
| 1500 | 68.4 | 6.8 | 608 | 28.2 | ε \ | | | |
| | | | | | | | | |
| Did well | dewater? | Yes (| No) | Gallons actuall | y evacuated: 28.2 | | | |
| Sampling | Time: | 1506 | | Sampling Date | : 12/6/02 | | | |
| Sample 1. | D.: mw | -5 | | Laboratory: | Pace Seguoia Other | | | |
| Analyzed | for: Pf | i-g (bylex) | MTBB TPH-D | Other: | | | | |
| D.O. (if r | eq'd): | | Pre-purge: | (ng/L | Post-purge: 10g/L | | | |
| O.R.P. (il | req'd): | | Pre-purge: | mV | Post-purge: mV | | | |



| 遥 | 夢 リリ | | | | | | Chain of C | Lus | to | ay | Ke | CO | ra | | | | | | | On-s | te T | រភាព: | | | | Temp: | |
|---------|-------------------------|------------|---|-----------|----------|----------------|------------------------|-------------|--|----------|-------------|-------|---------|------|---------------------------|--------------|-------------|--------------------------------------|-------------------------|--|------------------|---------------|--------|--------|-------|-----------------------------|-------------------|
| 4 | ** | Project | | | _ | | | | | | | | | | | | | | | Off- | site T | īme: | : | | | Temp: | |
| · | | BP BU | /GE | M | CC |) P | ortfolio: | | | | | | | | | | | | | Sky | Condit | ions: | | | | | |
| | | BP Lab | orai | torj | y C | ont | ract Number:_ | | | | | | | | | _ | | | | Mete | orolog | ical | Ever | ıts: | | | |
| ite: | 12/6/02 | - | | | | 1 | Requested Due D | ate (| mm/c | id/yy | <i>)</i> | | | | | | | | | Wind | l Spee | d: | | = | | Direction: | |
| d To: | | | | | | | BP/GEM Facility N | o.: | | | | | | | | | | | | Cons | ult a nt/ | /Conf | tracto | or: L | JRS | | |
| Name | : SEQUOIA | | | | | | BP/GEM Facility A | ddress | s: | 3407 | TEL | EGR | (AP | H A\ | /E, | OAKL | AND |), C | A | Add | ess: | 500 | 121 | 1 St., | Ste. | 200 | |
| Addre | ess: 885 Jarvis Dr. | | | | | | Site ID No. | | | | CO 37 | | | | | | | | | | | | | | | 09-4014 | |
| | Morgan Hill, CA 95 | 037 | | | | | Site <u>Lat/Long:</u> | | | | | | | | | | | | | e-m | il EDI |): s | yed | reh | an@ | urscorp.cor | π |
| | | | | | | _9 | California Global II |) #: | <u> </u> | TO | 6001 | 0010 | 16 | | | | | | | Cons | ultant | /Con! | tract | or Pr | oject | No.: J5-000 | 00374.01 00427 |
| PM: | Latonya Pelt | | | | | | BP/GEM PM Conta | ct: | | PA | UL S | UPP | 'LE | | | | | | | | | | | | | | 3-874-3268 |
| /Fax: | 408-776-9600 / 408- | -782-6308 | } | | | _ | Address: | | | | | | | | | | | | | ــــالــــــالــــــــــــــــــــــــ | | | | | | cott Robins | |
| ort Ty | pe & QC Level: Send EDI | F Reports | | | | | | | | | | | | | | | | | | -11 | | | | | | or BP/GEM | |
| GEM. | Account No.: | | | | | | Tele/Fax: | ,, | ,, | | | | | | | | | | | BP/C | EM V | Vork | Rele | ease l | No: I | NTRIM -504 | 119 |
| Bottle | Order No: | , | | Mat | ırix | | | | | | Prese | rvati | ives | | | | | | Requ | | Analys | sis | | | | | |
| 1 No. | Sample Description | Time | Water/Liquid | Sediments | Air | Laboratory No. | No. of containers | Timreserved | The second secon | H2SO4 | iona. | EC | | | TPH-G/BTEX (8015/8021) | TPH-D (8015) | MTBE (8021) | MTBE, TAME, ETBE DIPE, TBA (8260) | 1,2-DCA & EDB (8260) | | | | | | | int Lat/Long and omments | |
| 1 | MW-3 | 1445 | | χ | | | | 3 | | | | X | | | | X | | X | | | | | | | | | |
| 2 | mw-4 | 1527 | | ፠ | | | | 1 | | _ | | 1 | \perp | | | X | | X. | | | | | | | | | |
| 3 | mw-5 | 1506 | | X | | Ш | | V | | | | 14 | | | | X | | X | | | | | | | | | |
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| б | | | | | | П | | | | | | | | | | | | | | | | | | | | | , |
| 7 | | | | | \Box | | | | | †- | | | | | | | | 7 | | | | | | | | | |
| 8 | | | | | \Box | | | 1 | | <u> </u> | _ | | \top | | | _ | | 1 | | | | _ | _ | | | | |
| 9 | | | | | \vdash | 17 | | | | ╁ | | | + | _ | | | | 一 | | | | - | | | | <u></u> | |
| 0 | 1 | | | | | | | | | 1 | | ╁ | + | | | | _ | - | | | | - | | | | | |
| ıpler's | Name: Ryan Ha | nsteat | <u>, </u> | | | Rel | inquished By / Affilia | tion | | | | | Dr | a te | | Time | | Acc | pted E | y / Aff | iliation | <u>.</u> I | | | | Date | Time |
| | | e Tech | | | | | Zan HVT | | 375 | 5 | | | 1 | | | | | | | | | | | | | | |
| | Date: | | | | | | 0 | 1 | | | | | 1 | | | | | | - * | | | | | | | | |
| oment | : Method: | | | | | | | | | | | | | | | | | | | | | | • | | | | |
| | Tracking No: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ial In | structions: Address Inv | oice to BP | /GE | M bi | ut se | end | te URS for approv | al | | | | | | | | | | | | | | | | | | | |
| tody | Seals In Place Yes | No | | | Теп | npe | rature Blank Yes | 7 | No | | | Cod | oler | Теп | nper | rature | on F | lece | ipt | 0 | F/C | | Tri | p Bl | ank ' | Yes N | o |

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

| Client | BP | | inspection Date t | 2/6/02 | |
|--|----------------------------|---|---|--|--|
| Site Addre | ess 6407 | Telegraph Ave, Bakland | Inspected By Qu | ean Hanst | edt |
| 1. Lid on box 2. Lid broken 3. Lid bolls m 4. Lid bolls s 5. Lid seal in | 1? nlssing? iripped? | 6. Casing secure? 7. Casing cut level? 8. Debris in wellbox? 9. Wellbox is too far above grade? 10. Wellbox is too far below grade? 11. Wellbox is crushed/damaged? | 12. Water standing in wellbox? 12a. Standing above the top of casing? 12b. Standing below the top of casing? 12c. Water even with the top of casing? 13. Well cap present? 14. Well cap found secure? | 1 | e pulled loose? eal out water? resent? |
| Well I.D. | Check box i | f no deficiencies were found. | Note below deficiencies you were Corrective Action Taken | able to cor | rect. |
| MW-6 | 10- | Sap old + broken | replaced eap | | |
| | | | | 7 | |
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| | | | | | |
| Note balov | v all deflencie | s that could not be corrected and | still need to be corrected. | | |
| | | | BTS Office assigns or | Date | Date |
| Well I.D. | Persisting De | ficiency | defers Correction to: | assigned | corrected |
| MW-I | needs no | w bolts, none there | BIS WILL replace | VacK | |
| mw-y | Meds | • | next event. | | |
| | | | | | |
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| | | | | | |

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; from a BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM 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:

| 314 | |
|---|-----------------------------|
| Station # | |
| | |
| Station Address | ·e |
| Station Address | |
| | |
| Total Gallons Collected From Gr | oundwater Monitoring Wells: |
| 101 | |
| | |
| added equip. | any other |
| rinse water 2 | adjustments |
| TOTAL GALS. | loaded onto |
| RECOVERED 104 | BTS vehicle # |
| Drag / II | |
| BTS event# | time date |
| 021266-842 | 1545 12/6 DZ |
| 3.1 | <u> </u> |
| signature | |
| | |
| * | ***** |
| REC'D AT | time date |
| | |
| 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 Group Environmental Management Company have been reviewed and verified by that laboratory.



28 December, 2002

Scott Robinson URS Corporation 500 12th Street, Suite 100 Oakland, CA 94607

RE: ARCO #374, Oakland, Ca Sequoia Work Order: MLL0341

Enclosed are the results of analyses for samples received by the laboratory on 12/09/02 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt Project Manager

CA ELAP Certificate #1210

Johnya K. Pelt



885 Jarvis Dr Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.se quoialabs com

URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #374, Oakland, Ca Project Number: ARCO #374, Oakland, CA Project Manager: Scott Robinson MLL0341 Reported: 12/28/02 12:19

ANALYTICAL REPORT FOR SAMPLES

| Sample 1D | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-3 | MLL0341-01 | Water | 12/06/02 14:45 | 12/09/02 16:05 |
| MW-4 | MLL0341-02 | Water | 12/06/02 15:27 | 12/09/02 16:05 |
| MW-5 | MLL0341-03 | Water | 12/06/02 15:06 | 12/09/02 16:05 |

There were no custody seals that were received with this project.



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

URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #374, Oakland, Ca Project Number: ARCO #374, Oakland, CA Project Manager: Scott Robinson MLL0341 Reported: 12/28/02 12:19

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B Sequoia Analytical - Morgan Hill

| | | | -J | 111018 | | | | | |
|-----------------------------------|------------------------|--------------------|---------|----------|---------|----------|----------|--------------|-------------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| MW-3 (MLL0341-01) Water S | ampled: 12/06/02 14:45 | Received: | 12/09/0 | 2 16:05 | | | | | |
| Gasoline Range Organics (C6-C10 |)) ND | 50 | ug/l | 1 | 2L20002 | 12/20/02 | 12/20/02 | 8015Bm/8021B | |
| Benzene | ND | 0.50 | IP | II | 11 | U | 11 | н | |
| Toluene | ND | 0.50 | II | 11 | 11 | II | ** | ** | |
| Ethylbenzene | ND | 0.50 | н | IP | 11 | n | 11 | 11 | |
| Xylenes (total) | ND | 0.50 | II | 11 | n | 11 | ** | 11 | |
| Methyl tert-butyl ether | 6.2 | 2.5 | | H | 11 | | lr | | |
| Surrogate: a,a,a-Trifluorotoluene | | 107 % | 55 | -142 | n | " | " | " | 0-11 |
| MW-4 (MLL0341-02) Water S | ampled: 12/06/02 15:27 | Received: | 12/09/0 | 2 16:05 | | | | | |
| Gasoline Range Organics (C6-C | 10) 1500 | 250 | ug/l | 5 | 2L20002 | 12/20/02 | 12/20/02 | 8015Bm/8021B | HC-21 |
| Benzene | 410 | 20 | 11 | 40 | | ** | 12/20/02 | (r | |
| Toluene | 6.8 | 2.5 | ** | 5 | 11 | II . | 12/20/02 | II . | |
| Ethylbenzene | 20 | 2.5 | п | " | ** | 11 | O | Ħ | |
| Xylenes (total) | 29 | 2.5 | ** | fr | (r | II. | 11 | II . | |
| Methyl tert-butyl ether | 43 | 12 | | | 11 | 11 | ** | | |
| Surrogate: a,a,a-Trifluorotoluene | | 112 % | 55 | -142 | n | " | # | " | 0-11 |
| MW-5 (MLL0341-03) Water S | ampled: 12/06/02 15:06 | Received: | 12/09/0 | 2 16:05 | | | | | |
| Gasoline Range Organics (C6-C10 |)) ND | 50 | ug/l | 1 | 2L20002 | 12/20/02 | 12/20/02 | 8015Bm/8021B | |
| Benzene | ND | 0.50 | H | u | 11 | 11 | Ħ | " | |
| Toluene | ND | 0.50 | H | " | ** | " | u | w | |
| Ethylbenzene | ND | 0.50 | ** | II | II . | II | ** | 11 | |
| Xylenes (total) | ND | 0.50 | II. | " | н | *1 | D | tt | |
| Methyl tert-butyl ether | ND | 2.5 | n | | IF | 11 | 11 | 11 | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.6 % | 55 | -142 | n | " | n | n | 0-11 |



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

URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #374, Oakland, Ca Project Number: ARCO #374, Oakland, CA Project Manager: Scott Robinson

MLL0341 Reported: 12/28/02 12:19

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|--|--------|----------------|---|-------------|----------------|------|--------------|--------------|
| Batch 2L20002 - EPA 5030B [P/T] | | | | | | | | ···· | | |
| Blank (2L20002-BLK1) | | | | Prepared | & Analyz | ed: 12/20/0 |)2 | | | |
| Gasoline Range Organics (C6-C10) | ND | 50 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ıt | | | | | | | |
| Toluene | ND | 0.50 | +1 | | | | | | | |
| Ethylbenzene | ND | 0.50 | II. | | | | | | | |
| Xylenes (total) | ND | 0.50 | 11 | | | | | | | |
| Methyl tert-butyl ether | ND | 2.5 | ** | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 10.9 | ······································ | " | 10.0 | | 109 | 55-142 | | · | 0-1 |
| Laboratory Control Sample (2L20002-BS1) | | | | Prepared | & Analyze | ed: 12/20/0 |)2 | | | |
| Benzene | 9.72 | 0.50 | ug/l | 10.0 | | 97.2 | 68-140 | | | |
| Toluene | 10.3 | 0.50 | ** | 10.0 | | 103 | 76-127 | | | |
| Ethylbenzene | 11.4 | 0.50 | Ħ | 10.0 | | 114 | 77-130 | | | |
| Xylenes (total) | 31.8 | 0.50 | 17 | 30.0 | | 106 | 78-128 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 10.6 | | ,, | 10.0 | | 106 | 55-142 | | | <i>O-1</i> . |
| Laboratory Control Sample (2L20002-BS2) | | | | Prepared | & Analyzo | ed: 12/20/0 | 02 | | | |
| Gasoline Range Organics (C6-C10) | 235 | 50 | ug/l | 250 | *************************************** | 94.0 | 62-134 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 10.6 | | n | 10.0 | | 106 | 55-142 | | | 0-1. |
| Matrix Spike (2L20002-MS1) | So | ource: MLL02 | 220-02 | Prepared | & Analyze | ed: 12/20/0 |)2 | | | |
| Gasoline Range Organics (C6-C10) | 472 | 50 | ug/l | 550 | ND | 85.8 | 62-134 | | | |
| Benzene | 11.8 | 0.50 | " | 6.60 | ND | 179 | 68-140 | | | QM-0' |
| Toluene | 43.4 | 0.50 | If | 39.7 | ND | 109 | 76-127 | | | |
| Ethylbenzene | 10.8 | 0.50 | 11 | 9.20 | ND | 117 | 77-130 | | | |
| Xylenes (total) | 49.4 | 0.50 | et | 46.1 | ND | 107 | 78-128 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 11.5 | | n | 10.0 | | 115 | 55-142 | ··· | | O-1. |
| Matrix Spike Dup (2L20002-MSD1) | Sc | ource: MLL02 | 220-02 | Prepared | & Analyze | ed: 12/20/0 |)2 | | | |
| Gasoline Range Organics (C6-C10) | 496 | 50 | ug/l | 550 | ND | 90.2 | 62-134 | 4.96 | 41 | |
| Benzene | 12.0 | 0.50 | 46 | 6.60 | ND | 182 | 68-140 | 1.68 | 30 | QM-0° |



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

URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #374, Oakland, Ca Project Number: ARCO #374, Oakland, CA Project Manager: Scott Robinson

MLL0341 Reported: 12/28/02 12:19

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|--------------------|--------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch 2L20002 - EPA 5030B [P/T] | | | | | | | | | | |
| Matrix Spike Dup (2L20002-MSD1) | Se | urce: MLL02 | 220-02 | Prepared | & Analyze | ed: 12/20/0 | 02 | | | |
| Toluene | 44.2 | 0.50 | ug/l | 39.7 | ND | 111 | 76-127 | 1.83 | 30 | |
| Ethylbenzene | 11.2 | 0.50 | n | 9.20 | ND | 122 | 77-130 | 3.64 | 21 | |
| Xylenes (total) | 50.7 | 0.50 | " | 46.1 | ND | 110 | 78-128 | 2.60 | 21 | |
| Surrogate: a,a,a-Trifluorotoluene | 12.2 | | 19 | 10.0 | <u></u> | 122 | 55-142 | | | 0-1 |



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

URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607 Project: ARCO #374, Oakland, Ca Project Number: ARCO #374, Oakland, CA Project Manager: Scott Robinson

MLL0341 Reported: 12/28/02 12:19

Notes and Definitions

HC-21 Chromatogram Pattern: Gasoline C6-C10

O-11 The continuing calibration standard was outside of the acceptance criteria. This should be considered in evaluating the result for its

intended purpose.

QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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



Lab Address: 885 Janvis Dr.

BP/GEM Account No.:

SEQUOIA

Latonya Pelt

Place Yes

No

Date:

Send To:

Lab Name:

Lab PM:

Tele/Fax:

m220341 Chain of Custody Record On-site Time: Tempa Project Name Off-site Time: Temp: BP BU/GEM CO Portfolio: Sky Conditions: BP Laboratory Contract Number: Meteorologicai Events: Requested Due Date (mm/dd/yv) Wind Speed: Direction: BP/GEM Facility No.: Consultant/Contractor: URS 3P/GEM Facility Address; 6407 TELEGRAPH AVE. OAKLAND, CA Address: 500 12th St., Ste. 200 Site ID No. ARCO 374 Oakland, CA 94609-4014 Morgan Hill, CA 95037 Site Lat Lange. e-mail EDD: syed rehan@urscorp.com California Global ID #: T0600100108 Consultant/Contractor Project No.; 35-00000374.01 00427 PAUL SUPPLE BP/GEM PM Contact: Consultant Tele/Fax: 510-874-1735/510-874-3268 408-776-9600 / 408-782-6308 Consultant/Contractor PM: Scott Robinson Addresst Report Type & QC Level: Send EDF Reports Invoice to: Consultant/Contractor or BP/GEM (Bircle one) BP/GEM Work Release No: INTRIM-50419 Tele/Fax: Matrix Descommeires Decreated Analysis

| Leo Bottle | Order No: | | | Mat | rix. | | | | P | reşer | vativ | ¢\$ | | | R | eque | sted Ar | alys | is | | | , | | | |
|------------|---------------------|------------|------------|--------------|-----------|----------------------|-------------------|-------------|------------------|-------|-------|----------------------------|---------------------------|-----|-------------|------------------|-------------------------|-------|--------|---------|---|--------------|-----------------|-----------------------|-------------|
| Item No. | Sample Description | Time | Spil/Splid | Water/Liquid | Sediments | Laboratory No. | No. of containers | Unpreserved | H.SO, | IINO | 110 | | TPH-0/BTEX (8015/8021) | | MTBE (8021) | DIPE, TDA (8260) | 1,2-DCA & EDD (8260) | | | | | | Sample Pa Co | int Lat/Lor mments | ng and |
| 1 🔨 | MW-3 | 1445 | | X | | 01 | 3 | | | | × | | × | | X . | | | | Ť | i | Ť | | | | |
| _2_ | wm - 11 | 1527 | | ኦ | | 02 | | : | | | 1 | | Y. | | X. | | | | ; | | | | | | |
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| Sampler's | Name: Ryon Ha. | asteat | • | | R. | clinquished By/AMise | tion | | | | | Date | Ilme | | 4 ccep: | ed B | v / Alfilj | жил | | | | • | Date | Time | |
| • | Company: Black | | | | | Frem Son | | 375 | } | | | Date [2/9/07 [4/4/07 | 173 | 0 | 1/2 | 1 | | _ | 4 | | | | 12/9/02 | 1130 | > |
| | Date: | | | | | 2011/11 | | | | | | 13/4/01 | 160 | 730 | Cu | ~() e | , J | C Ž A | 2 | <u></u> | | ·i | 29-02 | 1605 | |
| 7 | Method: | | | | | | | | · . | | | <i>y</i> | | | | | | | | | | | j | | |
| • | Vaciong No: | | | | | | | | | | | | | | | | | | | | | | | | |
| | ctions: Address Inv | oice to BP | GE. | M b | ut sen | d to URS for approv | ai | | | | | | | | | | | | | | | | | | |

No >

Cooler Temperature on Receipt 54 F(C)

White Copy - Laboratory / Yellow Copy - BP/GEM / Fink Copy - Consulmat/Contractor

Temperature Blank Yes

TIP COC Rev. 1 2/5/02

No)

Trip Blank Yes

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

| CRICLE THE APPROPRIATE RESPONSE LAB SAMPLE # CLIENT ID DESCRIPTION MATRIX SAMPLE CONDITION (ETC.) 1. Custody Scal(s) Present / Absent 2 MAY 3 (3 No2S HG L. 12-6-02) 4 (8 2016030 1. Custody Scal(s) Present / Absent 3 MAY 5 MAY 1 (3 No2S HG L. 12-6-02) 4 (8 2016030 2. Chain-of-Custody Present / Absent 3 MAY 5 MAY 1 4. Airbill Airbill Airbill Stages Present / Absent 7 5. Airbill #: 6. Sample Labels: Present / Absent 9 7. Sample IDs: Listed ANN Listed on Chain-of-Custody 1 (and present and sample Labels) 1 (and present and sample labels agree? Test No* 10. Sample received within held time: Yes No* 11. Proper Preservatives used: Yes No* 12. Temp Rec. at Lab: 5 4-6-2 | CLIENT NAME: REC. BY (PRINT) WORKORDER: | URS AS ALLO341 | | | DATE Received at Lab: TIME Received at Lab: LOG IN DATE: | | | Drinking ye regulatory p Wastewater regulatory p | ourposes: YES (NO) |
|---|--|----------------------|---|------|--|---|--------|---|--------------------|
| 1. Custody Scal(s) Intgat Present (Asian) Intgat Prokent* Intgat Present Intgat Present Intgat Intgat | CIRCLE THE APPR | OPRIATE RESPONSE | | # ' | CLIENT ID | | SAMPLE | SPATE | REMARKS: |
| 2. Chain-of-Custody Present Absent* 3. Traffic Reports or Packing List Present Absent 4. Airbill: Airbill / Sinker Present Absent 5. Airbill # 6. Sample Labels: Present Absent 7. Sample IIIs: Listed Prot Listed on Chain-of-Custody 8. Sample Condition: Intact) Broken*/ Leaking* 9. Does information on custody reports, traffic reports and sample labels agree? Yes No* 10. Sample received within hold time: Yes No* 11. Tropper Preser vatives used: Yes No* 12. Temp Rec. at Lab: Assent Sync* (Acceptance range for samples requiring thermal pres. 444/20°C) Yes No* | Custody Scal(s) | | 1 | | MW-3 | | (| | |
| Packing List: Present (Absent) 4. Airbill: Airbill / Sticker Present (Absent) 5. Airbill #: 6. Sample Labels: Present Absent 7. Sample IDs: Listed Not Listed on Chain-of-Custody 8. Sample Condition: Intact) Broken* / Leaking* 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: // 4°C (Acceptance range for samples requiring thermal pres.:44°/2°C) Yes /No* | | | | | 100 1 100 T | | *** | | |
| Present (Absent) S. Airbill #: 6. Sample Labels: Present Absent 7. Sample IDs: Listed Not Listed on Chain-of-Custody 8. Sample Condition: Intact) Brokens*/ Leaking* 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: Yes No* 13. Temp Rec. at Lab: Yes No* 14. Temp Rec. at Lab: Yes No* 15. Airbill #: 16. Sample Labels: Yes No* 17. Proper Preservatives used: Yes No* 18. Temp Rec. at Lab: Yes No* 19. Acceptance range for samples requiring thermal pres. 44/-2°C) Yes No** | Packing List | | | • | 1 . | 1 | | | - : |
| 6. Sample Labels: Present Dabeaut 7. Sample IDs: Listed Nort Listed on Chain-of-Custody 8. Sample Condition: Intact Broken*/ Leaking* 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: Syoc No* 12. Temp Rec. at Lab: Syoc No* (Acceptance range for samples requiring themsal pres. 44*/2°C) Yes No** | | | | | | | | • | • |
| 7. Sample IDs: Listed Not Listed on Chain-of-Custody 8. Sample Condition: Intact Broken*/ Leaking* 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, 19°C (Acceptance range for samples requiring thermal pres. 44%2°C) Yes No** | | | | -500 | | | / | | * 4 * |
| 8. Sample Condition: Intact) Broken*/ Leaking* 9. Does information on custody reports, traffic reports and sample Iabels agree? Yes No* 10. Sample received within hold times: Yes No* 11. Proper Preservatives used: Yes No* 12. Temp Rec. at Lab: 5, you (Acceptance range for samples requiring thermal press: 44/2°C) Yes No* | | Listed Not Listed | | | | | | | , dag |
| 9. Does information on custody reports, traffic reports and sample labels agree? 10. Sample received within hold time: 11. Proper Preservatives used: 12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres: 44/2°C) Yes No* | 8. Sample Condition: | Intact Broken*/ | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | |
| 10. Sample received within hold time: 11. Proper Preservatives used: Yes No* 12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres: 4+6-2°C) Yes No** | custody reports, traffic reports and sample | | | • | 7 | | |) | |
| used: 12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres.:4+1/2°C) Yes No** | 10. Sample received within hold time: | | | | | | ; · | | |
| (Acceptance range for samples requiring thermal pres.:4+1/-2°C) (Yes) No**. | ; | Yes No* | | - | | 1 | | | |
| | (Acceptance range for samp | ļes 📿 🖰 | | / | | | - | | |
| | | 2°C) (Yes) No** | | _ ` | | | | | |

typic Receipt Log fon 2.2 (04/11/02) vs.Revision 2.1 (11/10/00)

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ATTACHMENT C HISTORIC GROUNDWATER DATA

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

| | Date | Well | Depth to | Groundwater | TPPH as | | | Ethyl- | Total | | Dissolved | Purged/ |
|--------|----------|-------------|-------------|-------------|------------|-------------|------------|---------|---------|-------|-----------|------------|
| Well | Gauged/ | Elevation | Water | Elevation | Gasoline | Benzene | Toluene | benzene | Xylenes | MTBE | Oxygen | Not Purged |
| Number | Sampled | (feet, MSL) | (feet, TOC) | (feet, MSL) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppm) | (P/NP) |
| MW-1 | 01/31/96 | 158.91 | 6.34 | 152.57 | Not Sample | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 04/10/96 | 158.91 | 5.82 | 153.09 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 07/16/96 | 158.91 | 7.23 | 151.68 | <50 | < 0.5 | < 0.5 | | < 0.5 | 340 | NM | |
| MW-1 | 10/14/96 | 158.91 | 8.34 | 150.57 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 03/27/97 | 158.91 | 6.37 | 152.54 | Not Sample | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 05/27/97 | 158.91 | 7.30 | 151.61 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 08/12/97 | 158.91 | 8.22 | 150.69 | < 50 | < 0.5 | < 0.5 | <0.5 | < 0.5 | 620 | NM | |
| MW-1 | 11/17/97 | 158.91 | 7.98 | 150.93 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 03/16/98 | 158.91 | 4.94 | 153.97 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 05/12/98 | 158.91 | 5.28 | 153.63 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 07/27/98 | 158.91 | 6.84 | 152.07 | < 500 | <5 | <5 | <5 | <5 | 580 | 0.6 | P |
| MW-1 | 10/15/98 | 158.91 | 7.32 | 151.59 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 02/18/99 | 158.91 | 6.28 | 152.63 | Not Sampl | ed: Well Sa | mpled Annu | ally | | | | |
| MW-1 | 05/24/99 | 158.91 | 6.45 | 152.46 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 1,300 | 2.0 | NP |
| MW-1 | 08/27/99 | 158.91 | 7.86 | 151.05 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 1,500 | 1.65 | NP |
| MW-1 | 10/26/99 | 158.91 | 8.43 | 150.48 | Not Sampl | ed: Well Sa | mpled Annu | ally | | • | 2.16 | |
| MW-1 | 02/03/00 | 158.91 | 7.28 | 151.63 | <50 | <0.5 | <0.5 | <0.5 | <1 | 4,000 | 1.0 | NP |
| MW-2 | 01/31/96 | 157.92 | 6.51 | 151.41 | Not Sampl | ed: Well Sa | mpled Annu | เลโไซ | | | | |
| MW-2 | 04/10/96 | 157.92 | 6.94 | 150.98 | | | mpled Annu | | | | | |
| MW-2 | 07/16/96 | 157.92 | 7.73 | 150.19 | <50 | 1.2 | <0.5 | <0.5 | < 0.5 | 33 | NM | |
| MW-2 | 10/14/96 | 157.92 | 8.35 | 149.57 | | | mpled Annu | | | 33 | 2 1111 | |
| MW-2 | 03/27/97 | 157.92 | 7.40 | 150.52 | | | mpled Annu | • | | | | |
| MW-2 | 05/27/97 | 157.92 | 7.82 | 150.10 | - | | mpled Annu | • | | | | |
| MW-2 | 08/12/97 | 157.92 | 8.29 | 149.63 | <50 | <0.5 | <0.5 | <0.5 | < 0.5 | 23 | NM | |
| MW-2 | 11/17/97 | 157.92 | 8.05 | 149.87 | - • | | mpled Annu | | 0.0 | 23 | * 17.7 | |
| MW-2 | 03/16/98 | 157.92 | 6.45 | 151.47 | | | mpled Annu | | | | | |

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

| | Date | Well | Depth to | Groundwater | TPPH as | , sr <u></u> | | Ethyl- | Total | | Dissolved | Purged/ |
|--------|----------|-------------|-------------|-------------|-----------|--------------|-------------|----------|---------|---------|-----------|------------|
| Well | Gauged/ | Elevation | Water | Elevation | Gasoline | Benzene | Toluene | benzene | Xylenes | MTBE | Oxygen | Not Purged |
| Number | Sampled | (feet, MSL) | (feet, TOC) | (feet, MSL) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppm) | (P/NP) |
| MW-2 | 05/12/98 | 157.92 | 6.93 | 150.99 | Not Sampl | ed: Well Sai | npled Annu | ally | | | | |
| MW-2 | 07/27/98 | 157.92 | 7.39 | 150.53 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | <3 | 0.85 | NP |
| MW-2 | 10/15/98 | 157.92 | 7.67 | 150.25 | Not Sampl | ed: Well Sai | npled Annu | ıaliy | | | | |
| MW-2 | 02/18/99 | 157.92 | 6.63 | 151.29 | Not Sampl | ed: Well Sai | npled Annu | ally | | | | |
| MW-2 | 05/24/99 | 157.92 | 7.43 | 150.49 | <50 | 6.3 | < 0.5 | 0.7 | < 0.5 | 29 | 3.0 | P |
| MW-2 | 08/27/99 | 157.92 | 8.22 | 149.70 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 0.95 | NP |
| MW-2 | 10/26/99 | 157.92 | 8.46 | 149.46 | Not Sampl | ed: Well Sai | npled Annu | ıally | | | 1.71 | |
| MW-2 | 02/03/00 | 157.92 | 7.75 | 150.17 | <50 | <0.5 | <0.5 | <0.5 | <1 | <3 | 1.0 | NP |
| MW-3 * | 01/31/96 | 153.64 | 7.02 | 146.62 | 140 | 20 | 0.87 | 11 | 14 | NA | NM | |
| MW-3 * | 04/10/96 | 153.64 | 7.82 | 145.82 | 84 | 2.4 | < 0.5 | 1.9 | 1.1 | NA | NM | |
| MW-3 * | 07/16/96 | 153.64 | 6.80 | 146.84 | < 50 | 2.2 | < 0.5 | < 0.5 | < 0.5 | <2.5 | NM | |
| MW-3 * | 10/14/96 | 153.64 | 7.67 | 145.97 | <50 | 1.2 | < 0.5 | < 0.5 | 0.81 | 2.9 | NM | |
| MW-3 * | 03/27/97 | 153.64 | 7.62 | 146.02 | < 50 | 0.94 | < 0.5 | 0.9 | 0.63 | <2.5 | NM | |
| MW-3 * | 05/27/97 | 153.64 | 6.72 | 146.92 | Not Sampl | ed: Well Sar | npled Semia | annually | | | | |
| MW-3 * | 08/12/97 | 153.64 | 8.20 | 145.44 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <2.5 | NM | |
| MW-3 * | 11/17/97 | 153.64 | 7.64 | 146.00 | Not Sampl | ed: Well San | npled Semia | annually | | | 12.0 | |
| MW-3 * | 03/18/98 | 153.64 | 5.14 | 148.50 | < 50 | < 0.5 | <0.5 | < 0.5 | < 0.5 | <3 | 4.0 | P |
| MW-3 * | 05/12/98 | 153.64 | 5.53 | 148.11 | Not Sampl | ed: Well Sai | npled Semia | annually | | | | |
| MW-3 * | 07/27/98 | 153.64 | 7.63 | 146.01 | 74 | <0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 1.7 | NP |
| MW-3 * | 10/15/98 | 153.64 | 7.46 | 146.18 | Not Sampl | ed: Well Sar | npled Semia | annually | | | | |
| MW-3 * | 02/18/99 | 153.64 | 5.85 | 147.79 | Not Sampl | ed | | | | | | |
| MW-3 * | 05/24/99 | 153.64 | 7.00 | 146.64 | < 50 | <0.5 | < 0.5 | < 0.5 | < 0.5 | 4 | 6.0 | NP |
| MW-3 * | 08/27/99 | 153.64 | 7.16 | 146.48 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 16.57 | NP |
| MW-3 * | 10/26/99 | 153.64 | 7.79 | 145.85 | < 50 | < 0.5 | < 0.5 | < 0.5 | <1 | <3 | 14.86 | NP |
| MW-3 * | 02/03/00 | 153.64 | 7.11 | 146.53 | <50 | < 0.5 | < 0.5 | < 0.5 | <1 | <3 | 1.0 | NP |
| | | | - | | · | | | | | <u></u> | | |

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

| Well | Date Gauged/ | Well Elevation | Depth to Water | Groundwater Elevation | TPPH as Gasoline | Benzene | Toluene | Ethyl- benzene | Total Xylenes | МТВЕ | Dissolved Oxygen | Purged/ Not Purged |
|--------|-----------------|-------------------|-------------------|--------------------------|---------------------|--------------|---------------|-------------------|------------------|-------|---------------------|-----------------------|
| Number | Sampled | (feet, MSL) | (feet, TOC) | (feet, MSL) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppm) | (P/NP) |
| MW-4 | 01/31/96 | 156.53 | 5.64 | 150.89 | 230 | 23 | 2.2 | 3.7 | 32 | ΝA | NM | |
| MW-4 | 04/10/96 | 156.53 | 6.66 | 149.87 | 7,300 | 1,600 | 350 | 350 | 830 | NA | NM | |
| MW-4 | 07/16/96 | 156.53 | 7.73 | 148.80 | 5,600 | 1,100 | 160 | 240 | 520 | 150 | NM | |
| MW-4 | 10/14/96 | 156.53 | 8.55 | 147.98 | 4,500 | 860 | 72 | 160 | 340 | <62 | NM | |
| MW-4 | 03/27/97 | 156.53 | 7.15 | 149.38 | 25,000 | 5,200 | 760 | 850 | 2,600 | <250 | NM | |
| MW-4 | 05/27/97 | 156.53 | 7.75 | 148.78 | Not Sample | ed: Well Sar | npled Semia | innually | | | | |
| MW-4 | 08/12/97 | 156.53 | 8.46 | 148.07 | 4,800 | 950 | 40 | 140 | 210 | 170 | NM | |
| MW-4 | 11/17/97 | 156.53 | 8.24 | 148.29 | Not Sample | ed: Well Sar | npled Semia | innually | | | | |
| MW-4 | 03/16/98 | 156.53 | 5.32 | 151.21 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 1.5 | P |
| MW-4 | 05/12/98 | 156.53 | 6.38 | 150.15 | Not Sample | ed: Well Sar | npled Semia | innually | | | | |
| MW-4 | 07/27/98 | 156.53 | 7.36 | 149.17 | 21,000 | 6,100 | 390 | 810 | 1,600 | <300 | 0.5 | NP |
| MW-4 * | 10/15/98 | 156.53 | 8.30 | 148.23 | Not Sampl | ed: Well Sar | npled Semia | nnually | | | | |
| MW-4 * | 02/18/99 | 156.53 | 4.39 | 152.14 | Not Sampl | ed | | | | | | |
| MW-4 * | 05/24/99 | 156.53 | 7.45 | 149.08 | 18,000 | 5,600 | 350 | 410 | 1,300 | <300 | 1.0 | NP |
| MW-4 * | 08/27/99 | 156.53 | 8.07 | 148.46 | 12,000 | 3,200 | 170 | 490 | 810 | 65 | 1.32 | NP |
| MW-4 * | 10/26/99 | 156.53 | 8.72 | 147.81 | 12,000 | 3,100 | 130 | 450 | 680 | 12 | 1.39 | NP |
| MW-4 * | 02/03/00 | 156.53 | 7.41 | 149.12 | 9,300 | 2,800 | 96 | 330 | 400 | 73 | 1.0 | NP |
| MW-5 | 01/31/96 | 151.33 | 8.64 | 142.69 | <50 | <0.5 | <0.5 | < 0.5 | <0.5 | NA | NM | |
| MW-5 | 04/10/96 | 151.33 | N/A | | <50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | NA | NM | |
| MW-5 | 07/16/96 | 151.33 | 8.15 | 143.18 | <50 | 0.79 | 1.3 | < 0.5 | < 0.5 | <2.5 | NM | |
| MW-5 | 10/14/96 | 151.33 | 7.92 | 143.41 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <2.5 | NM | |
| MW-5 | 03/27/97 | 151.33 | 7.75 | 143.58 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <2.5 | NM | |
| MW-5 | 05/27/97 | 151.33 | 8.16 | 143.17 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <2.5 | NM | |
| MW-5 | 08/12/97 | 151.33 | | | | W | ell Inaccessi | ble | | | | |
| MW-5 | 11/17/97 | 151.33 | 8.75 | 142.58 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <2.5 | 4.0 | NP |
| MW-5 | 03/16/98 | 151.33 | 6.90 | 144.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | 1.5 | P |

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

| - | Date | Well | Depth to | Groundwater | TPPH as | | | Ethyl- | Total | | Dissolved | Purged/ |
|--------|----------|-------------|-------------|-------------|------------|--------------|------------|---------|---------|-------|-----------|------------|
| Well | Gauged/ | Elevation | Water | Elevation | Gasoline | Benzene | Toluene | benzene | Xylenes | MTBE | Oxygen | Not Purged |
| Number | Sampled | (feet, MSL) | (feet, TOC) | (feet, MSL) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppm) | (P/NP) |
| MW-5 | 05/12/98 | 151.33 | 7.24 | 144.09 | < 50 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | 2.2 | P |
| MW-5 | 07/27/98 | 151.33 | 7.91 | 143.42 | <50 | < 0.5 | <0.5 | <0.5 | <0.5 | <3 | 1.3 | P |
| MW-5 | 10/15/98 | 151.33 | 8.31 | 143.02 | <50 | < 0.5 | < 0.5 | < 0.5 | 0.6 | <3 | 3.0 | P |
| MW-5 | 02/18/99 | 151.33 | 7.25 | 144.08 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 2.0 | P |
| MW-5 | 05/24/99 | 151.33 | 7.52 | 143.81 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 2.0 | NP |
| MW-5 | 08/27/99 | 151.33 | 8.31 | 143.02 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <3 | 2.28 | P |
| MW-5 | 10/26/99 | 151.33 | 8.61 | 142.72 | <50 | <0.5 | <0.5 | < 0.5 | <1 | <3 | 1.99 | P |
| MW-5 | 02/03/00 | 151.33 | 10.09 | 141.24 | <50 | <0.5 | <0.5 | <0.5 | <1 | <3 | 1.0 | NP |
| MW-6 | 01/31/96 | 153.84 | 5.15 | 148.69 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 04/10/96 | 153.84 | 4.58 | 149.26 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 07/16/96 | 153.84 | 4.96 | 148.88 | < 50 | < 0.5 | < 0.5 | < 0.5 | <0.5 | 150 | NM | |
| MW-6 | 10/14/96 | 153.84 | 6.15 | 147.69 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 03/27/97 | 153.84 | 4.40 | 149.44 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 05/27/97 | 153.84 | 4.90 | 148.94 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 08/12/97 | 153.84 | 5.43 | 148.41 | < 50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 39 | NM | |
| MW-6 | 11/17/97 | 153.84 | 5.87 | 147.97 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 03/16/98 | 153.84 | 4.52 | 149.32 | | ed: Well Sar | | | | | | |
| MW-6 | 05/12/98 | 153.84 | 4.42 | 149.42 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 07/27/98 | 153.84 | 4.75 | 149.09 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 18 | 0.9 | P |
| MW-6 | 10/15/98 | 153.84 | 5.75 | 148.09 | | ed: Well Sar | | | | | | |
| MW-6 | 02/18/99 | 153.84 | 3.93 | 149.91 | Not Sample | ed: Well Sar | npled Annu | ally | | | | |
| MW-6 | 05/24/99 | 153.84 | 4.32 | 149.52 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 6 | 2.0 | NP |
| MW-6 | 08/27/99 | 153.84 | 5.72 | 148.12 | <50 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 8 | 1.02 | NP |
| MW-6 | 10/26/99 | 153.84 | 5.94 | 147.90 | Not Sampl | ed: Well Sar | npled Annu | ally | | | 2.51 | |
| MW-6 | 02/03/00 | 153.84 | 5.44 | 148.40 | <50 | < 0.5 | < 0.5 | < 0.5 | <1 | <3 | 1.0 | NP |
| _ | | | | | | | | | | | | |

Table 1

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

| Well | Date Gauged/ | Well Elevation | Depth to Water | Groundwater Elevation | TPPH as Gasoline | Benzene | Toluene | Ethyl- benzene | Total Xylenes | MTBE | Dissolved Oxygen | Purged/ Not Purged |
|--------|---|-------------------|-------------------|--------------------------|---------------------|---------|---------|-------------------|------------------|-------|---------------------|-----------------------|
| Number | Sampled | (feet, MSL) | (feet, TOC) | (feet, MSL) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppb) | (ppm) | (P/NP) |
| MSL | = Mean sea lev | vel | | | | | | | | | | |
| TOC | = Top of casing. | | | | | | | | | | | |
| ТРРН | = Total purgeable petroleum hydrocarbons by modified EPA method 8015. | | | | | | | | | | | |
| BTEX | = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 10/26/99). | | | | | | | | | | | |
| MTBE | = Methyl tert -Butyl Ether by EPA method 8021B. (EPA method 8020 pnor to 10/26/99). | | | | | | | | | | | |
| ppb | = Parts per billion. | | | | | | | | | | | |
| ppm | = Parts per million. | | | | | | | | | | | |
| < | = Less than laboratory detection limit stated to the right. | | | | | | | | | | | |
| NA | = Not analyzed. | | | | | | | | | | | |
| NM | = Not measured. | | | | | | | | | | | |
| N/A | = Not available. | | | | | | | | | | | |
| * | = ORCs installed in well MW-3 beginning 11/14/95 and in well MW-4 beginning 09/29/98. Please refer to Appendix D for details. | | | | | | | | | | | |

Table 2 Groundwater Flow Direction and Gradient

| Date | Average | Average | | | | |
|----------|---|--------------------|--|--|--|--|
| Measured | Flow Direction | Hydraulic Gradient | | | | |
| | | | | | | |
| 01-31-96 | Southwest | 0.04 | | | | |
| 04-10-96 | Southwest | 0.04 | | | | |
| 07-16-96 | Southwest | 0.03 | | | | |
| 10-14-96 | Southwest | 0.03 | | | | |
| 03-27-97 | Southwest | 0.04 | | | | |
| 05-27-97 | Southwest | 0.03 | | | | |
| 08-12-97 | Southwest | 0.04 | | | | |
| 11-17-97 | Southwest | 0.03 | | | | |
| 03-16-98 | Southwest | 0.03 | | | | |
| 05-12-98 | Southwest | 0.04 | | | | |
| 07-27-98 | Southwest | 0.04 | | | | |
| 10-15-98 | Southwest | 0.02 | | | | |
| 02-18-99 | Southwest | 0.05 | | | | |
| 05-24-99 | Southwest | 0.03 | | | | |
| 08-27-99 | Southwest | 0.03 | | | | |
| 10-26-99 | Southwest | 0.03 | | | | |
| 02-03-00 | Southwest | 0.047 | | | | |
| | 3 | 3.01, | | | | |

Table D-1
Intrinsic Bioremediation Evaluation and Enhancement Data

ARCO Service Station 0374 6407 Telegraph Avenue, Oakland, California

| | - | | - | Fi | eld Analyses | | | <u> </u> | | | Lab | oratory A | nalyses | | | | |
|------|----------|-----|---------------|---------|--------------|--------|---------|--------------|--------|---------|--------|-----------|---------|-------------|---------|----------|-------------|
| | | l | • | | | | | | | | | | Nitrate | Nitrite | | | |
| ļ. | | ļ | Groundwater | | | | Ferrous | Total | | Carbon | | | as | as | | TPH as | Total |
| | Date | | Temperature | pН | Conductivity | D.O. | Iron | Alkalinity | B.O.D. | Dioxide | C.O.D. | Methane | Nitrate | Nitrite | Sulfate | Gasoline | BTEX |
| Well | Sampled | | (deg F) | (units) | (µmhos) | (mg/L) | (mg/L) | (mg CaCO3/L) | (mg/L) | (mg/L) | (mg/L) | (%) | (mg/L) | (mg/L) | (mg/L) | (µg/L) | (μg/L) |
| MW-3 | 11/14/95 | ** | 65.5* | 6.76* | 508* | 7.17 | N/A | NS | NS | NS | NS | NS | 6.6 | <1.0 | NS | 140 | 46 |
| MW-3 | 06/06/96 | ** | 66.2 | 7.38 | 700 | 12.28 | N/A | NS | NS | NS | NS | NS | NS | NS | NS | 84† | 5.4† |
| MW-3 | 07/16/96 | l | 67.8 | 7.08 | 1,010 | 8.73 | 0.0 | 280 | 1.8 | 270 | 44 | < 0.020 | <1.0 | NS | 78 | <50 | 2.2 |
| MW-3 | 01/21/97 | ** | 59 | N/A | N/A | 11.15 | 0.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| MW-3 | 08/12/97 | ** | 74.4 | 6.65 | 600 | 6.7 | 1.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| MW-3 | 11/17/97 | | N/A | N/A | N/A | 12.0 | 0.2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| MW-3 | 03/16/98 | ļ | 68.5 | 7.75 | 806 | 4.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-3 | 05/12/98 | | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-3 | 07/27/98 | | 68.1 | 6.81 | 904 | 1.7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 74 | ND |
| MW-3 | | ** | ORC installed | | | | | | | | | | | | | | |
| MW-3 | 10/15/98 | | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-3 | 02/18/99 | - { | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-3 | 05/24/99 | أ | 66.2 | 7.24 | 799 | 6.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-3 | | ** | ORC installed | | | | | | | | | | | | | | |
| MW-3 | 08/27/99 | | 69.0 | 7.97 | 782 | 16.57 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ИĎ |
| MW-3 | 10/26/99 | | 66.5 | 5.93 | 794 | 14.86 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-3 | 02/03/00 | | 62.0 | 7.42 | 7,877 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-4 | 07/16/96 | | 69.5 | 6.72 | 1,370 | 3.20 | 4.20 | 420 | NS | 470 | NS | 0.11 | <1.0 | NS | 18 | 5,600 | 2,020 |
| MW-4 | 03/16/98 | - 1 | 66.2 | 6.89 | 1,411 | 1.50 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-4 | 05/12/98 | | NM | NM | NM | NM | N/A | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-4 | 07/27/98 | | 70.5 | 6.34 | 1,434 | 0.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 21,000 | 8,900 |
| MW-4 | 09/29/98 | ** | ORC installed | | | | | | | | | | | | | | |
| MW-4 | 10/15/98 | | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-4 | 02/18/99 | İ | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-4 | 05/24/99 | | 67.6 | 6.72 | 1,509 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 18,000 | 7,660 |
| MW-4 | 07/26/99 | ** | ORC installed | | · | | | | | | | | | | | | |

Table D-1
Intrinsic Bioremediation Evaluation and Enhancement Data

ARCO Service Station 0374 6407 Telegraph Avenue, Oakland, California

| | | Field Analyses | | | | | | | | Lab | oratory A | nalyses | | | | |
|------|----------|----------------|---------|--------------|--------|---------|--------------|--------|---------|--------|-----------|---------|---------|---------|----------|--------|
| | i | | | | | | | | | | | Nitrate | Nitrite | | | |
| | | Groundwater | | | | Ferrous | Total | | Carbon | | | as | as | | TPH as | Total |
| | Date | Temperature | pН | Conductivity | D.O. | Iron | Alkalinity | B.O.D. | Dioxide | C.O.D. | Methane | Nitrate | Nitrite | Sulfate | Gasoline | BTEX |
| Well | Sampled | (deg F) | (units) | (µmhos) | (mg/L) | (mg/L) | (mg CaCO3/L) | (mg/L) | (mg/L) | (mg/L) | (%) | (mg/L) | (mg/L) | (mg/L) | (μg/L) | (μg/L) |
| MW-4 | 08/27/99 | 70.5 | 7.09 | 1,469 | 1.32 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 12,000 | 4,670 |
| MW-4 | 10/26/99 | 66.8 | 7.05 | 1,565 | 1.39 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 12,000 | 4,360 |
| MW-4 | 02/03/00 | 64.1 | 7.27 | 1,506 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 9,300 | 3,626 |
| MW-5 | 07/16/96 | 70.4 | 6.85 | 690 | 6.80 | 0.0 | 170 | NS | 180 | NS | < 0.020 | <1.0 | NS | 35 | <50 | 1.1 |
| MW-5 | 03/16/98 | 69.5 | 7.19 | 584 | 1.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-5 | 05/12/98 | 65.9 | 7.04 | 619 | 2.2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ИD | ND |
| MW-5 | 07/27/98 | 73.6 | 7.39 | 569 | 1.3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-5 | 10/15/98 | 65.8 | 6.88 | 626 | 3.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | 0.6 |
| MW-5 | 02/18/99 | 63.4 | 6.98 | 616 | 2.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-5 | 05/24/99 | 66.7 | 6.70 | 591 | 2.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-5 | 08/27/99 | 72.6 | 7.10 | 624 | 2.28 | N/A | N/A | 'N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-5 | 10/26/99 | 70.4 | 5.95 | 601 | 1.99 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-5 | 02/03/00 | 62.1 | 7.31 | 6,072 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-6 | 06/06/96 | N/A | N/A | N/A | 3.47 | N/A | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 03/16/98 | N/A | N/A | N/A | N/A | N/A | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 05/12/98 | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 07/27/98 | 70.3 | 6.67 | 638 | 0.9 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-6 | 10/15/98 | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 02/18/99 | NM | NM | NM | NM | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 05/24/99 | 65.5 | 6.62 | 713 | 2.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-6 | 08/27/99 | 73.0 | 7.12 | 589 | 1.02 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |
| MW-6 | 10/26/99 | NM | NM | NM | 2.51 | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | 02/03/00 | 61.7 | 7.32 | 5,091 | 1.0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ND | ND |

Table D-1 Intrinsic Bioremediation Evaluation and Enhancement Data

ARCO Service Station 0374 6407 Telegraph Avenue, Oakland, California

| | | | Field Analyses | | | | | | | Lat | oratory A | nalvses | | | | |
|-------|------------------|---------------------|----------------|--------------|--------|---------|--------------|------------|----------------|-------------|--------------|---------|---------|---------|-------------|--------|
| 1 | | | | | | | | | | | | Nitrate | Nitrite | | | |
| | | Groundwater | | | | Ferrous | Total | | Carbon | | | as | as | | TPH as | Total |
| | Date | Temperature | pН | Conductivity | D.O. | Iron | Alkalinity | B.O.D. | Dioxide | C.O.D. | Methane | Nitrate | Nitrite | Sulfate | Gasoline | BTEX |
| Well | Sampled | (deg F) | (units) | (µmhos) | (mg/L) | (mg/L) | (mg CaCO3/L) | (mg/L) | (mg/L) | (mg/L) | (%) | (mg/L) | (mg/L) | (mg/L) | $(\mu g/L)$ | (μg/L) |
| | | [| | | | | | | | | | | | | | |
| D.O. | = Dissolved oxy | gen | | | | | μg/L | = Microgr | ams per liter | | | | | | | |
| B.O.D | = Biochemical o | xygen demand | | | | | NM | = not mea | sured | | | | | | | |
| C.O.D | = Chemical oxyg | gen demand | | | | | NS | = Not sam | pled | | | | | | | |
| TPPH | = Total purgeabl | e petroleum hydroc | arbons | | | | ND | = Not dete | ected | | | | | | | |
| BTEX | = Benzene, tolue | ne, ethylbenzene, a | nd xylenes | 3 | | | N/A | = Not ava | ilable | | | | | | | |
| deg F | = Degrees Fahre | nheit | | | | | * | Field mea | surements co | Hected on I | November 2, | 1995. | | | | |
| μmhos | = Micromhos | | | | | | ** | ORC insta | illed | | | | | | | |
| mg/L | = Milligrams per | r liter | | | | | † | From Apr | il 10, 1996 gi | roundwater | monitoring e | vent. | | | | |
| L | | | | | | | | | | | | | | | | |

ATTACHMENT D EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

02/13/03

EDF 1.2i All files present in deliverable.

Laboratory:

Sequoia Analytical Laboratories, Inc., Morgan Hill, CA

Project Name:

ARCO #374, Oakland, Ca

Work Order Number:

MLL0341

Global ID:

T0600100106

Lab Report Number:

MLL0341122820021219

Report Summary

| Labreport | Sampid | Labsampid | Mtrx | QC | Anmcode | Exmcode | Logdate | Extdate | Anadate | Lablotcti | Run Sub |
|-------------------------|--------|-------------|------|-----|---------|---------|----------|----------|----------|-----------|---------|
| MLL03411228200 21219 | MW-3 | MLL034101 | W | CS | SW8021F | SW5030B | 12/06/02 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| MLL03411228200 21219 | MW-4 | MLL034102 | W | CS | SW8021F | SW5030B | 12/06/02 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| MLL03411228200 21219 | MW-5 | MLL034103 | w | cs | SW8021F | SW5030B | 12/06/02 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| | | MLL022002 | W | NC | SW8021F | SW5030B | 11 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| | | 2L20002BS1 | WQ | BS1 | SW8021F | SW5030B | 11 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| | | 2L20002B\$2 | WQ | BS2 | SW8021F | SW5030B | 11 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| | | 2L20002BLK1 | WQ | LB1 | SW8021F | SW5030B | 11 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| | | 2L20002MS1 | W | MS1 | SW8021F | SW5030B | 11 | 12/20/02 | 12/20/02 | 2L20002 | 1 |
| | | 2L20002MSD1 | W | SD1 | SW8021F | SW5030B | 11 | 12/20/02 | 12/20/02 | 2L20002 | 1 |

EDFSAMP: Error Summary Log

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

EDFTEST: Error Summary Log

| Error type | Labsampid | Qccode | Anmoode | Exmcode | Anadate | Run number |
|---------------------------------------|-----------|--------|---------|---------|---------|------------|
| There are no errors in this data file | | | | | 11 | 0 |

EDFRES: Error Summary Log

| Error type | Labsampid | Qccode | Matrix | Anmcode | Pvccode | Anadate | Run number | Parlabel |
|--------------------------|-------------|--------|--------|---------|---------|----------|------------|-----------|
| Warning: extra parameter | 2L20002MS1 | MS1 | W | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | 2L20002MS1 | MS1 | W | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | 2L20002MSD1 | SD1 | W | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | 2L20002MSD1 | SD1 | W | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | MLL022002 | NC | W | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | MLL022002 | NC | W | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | MLL034101 | cs | W | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | MLL034101 | cs | W | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | MLL034101 | cs | W | SW8021F | PR | 12/20/02 | 1 | МТВЕ |
| Warning: extra parameter | MLL034102 | cs | W | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | MLL034102 | cs | W | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | MLL034102 | cs | W | SW8021F | PR | 12/20/02 | 1 | МТВЕ |
| Warning: extra parameter | MLL034103 | cs | W | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | MLL034103 | cs | W | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | MLL034103 | cs | W | SW8021F | PR | 12/20/02 | 1 | мтве |
| Warning: extra parameter | 2L20002BLK1 | LB1 | WQ | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | 2L20002BLK1 | LB1 | WQ | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |
| Warning: extra parameter | 2L20002BLK1 | LB1 | WQ | SW8021F | PR | 12/20/02 | 1 | MTBE |
| Warning: extra parameter | 2L20002BS1 | BS1 | WQ | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | 2L20002B\$2 | BS2 | WQ | SW8021F | PR | 12/20/02 | 1 | AAATFBZME |
| Warning: extra parameter | 2L20002BS2 | BS2 | WQ | SW8021F | PR | 12/20/02 | 1 | GROC6C10 |

EDFQC: Error Summary Log

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

EDFCL: Error Summary Log

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

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Your EDF file has been successfully uploaded!

Confirmation Number: 9407865881

Date/Time of Submittal: 2/13/2003 2:49:42 PM

Facility Global ID: T0600100106

Facility Name: ARCO

Submittal Title: Fourth Quarter 2002 Groundwater Monitoring Report for Site #374

Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

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UPLOADING A GEO_WELL FILE

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

Submittal Title:

Fourth Quarter 2002 Groundwater Monitoring Report for Site

#374

Submittal Date/Time: 2/13/2003 2:50:22 PM

Confirmation

4744323551

Number:

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