



Atlantic Richfield Company
(a BP affiliated company)

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

July 23, 2003

10204

Alameda County

AUG 04 2003

Environmental Health

Re: Second Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #4494
566 Hegenberger Road
Oakland, California

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



July 23, 2003

Ms. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County
AUG 04 2003
Environmental Health

**Re: Second Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #4494
566 Hegenberger Road
Oakland, California
URS Project # 38486122**

Dear Mr. Chan:

On behalf of Atlantic Richfield Company (ARCO-an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Second Quarter 2003 Groundwater Monitoring Report* for ARCO Service Station #4494, located at 566 Hegenberger Road, Oakland, California.

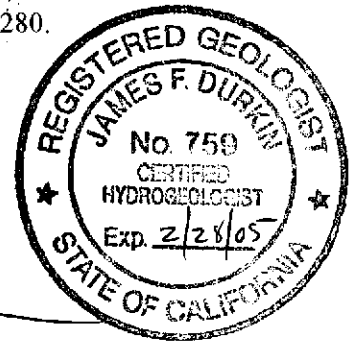
If you have any questions regarding this submission, please call me at (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James Durkin, C.Hg.
Senior Geologist



Enclosure: Second Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, P.O. Box 6549, Moraga, CA 94570

R E P O R T

**SECOND QUARTER 2003
GROUNDWATER MONITORING**

ARCO SERVICE STATION #4494
566 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

Prepared for
Atlantic Richfield Company

July 23, 2003

URS

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

38486122

Date: July 23, 2003
Quarter: 2Q 03

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 4494 Address: 566 Hegenberger Road, Oakland, California
Atlantic Richfield Co. Environmental Engineer: Paul Supple
Consulting Co./Contact Person: URS Corporation / Scott Robinson
Consultant Project No.: 38486122
Primary Agency/Regulatory ID No. Alameda County Health Services Agency
(ACHCSA)/STID #3854

WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter 2003 monitoring event on June 23, 2003.
2. Prepared and submitted first quarter 2003 groundwater monitoring report.
3. Repaired casing on well MW-7.

WORK PROPOSED FOR NEXT QUARTER (Third– 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare and submit second quarter 2003 groundwater monitoring report.
3. Re-survey vertical elevations for all wells onsite.

Current Phase of Project: GW monitoring/sampling
Frequency of Groundwater Sampling: Wells MW-1, MW-3 through MW-7, RW-1 quarterly
Frequency of Groundwater Monitoring: Quarterly
Is Free Product (FP) Present On-Site: No
Bulk Soil Removed to Date: 1,550 cubic yards
Current Remediation Techniques: None
Approximate Depth to Groundwater: 6.15 (MW-6) to 9.36 (MW-3) feet
Groundwater Gradient (direction): Northwest
Groundwater Gradient (magnitude): 0.014 feet per foot

DISCUSSION:

TPH-g was detected in one of the seven wells sampled this quarter at a concentration of 530 µg/L (MW-1). Benzene was not detected in any of the wells sampled this quarter. MTBE was detected in three wells at concentrations ranging from 5.2 µg/L (MW-3) to 260 µg/L (MW-1).

RECOMMENDATIONS:

Based on consistently low or non-detectable hydrocarbon concentrations for the past 2 years or more, URS recommends reducing the sampling frequency from quarterly to semi-annually in wells RW-1, MW-3, MW-4, MW-5 and MW-6.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – June 23, 2003
- 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

ARCO Service Station #4494
566 Hegenberger Road
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen (mg/L)
MW-1	06/20/00	106.10	7.02	99.08	ND<1,000	ND<10	ND<10	ND<10	ND<20	14,000/15,000 ^a	NA
	09/28/00		7.07	99.03	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	13000/18,800 ^a	NA
	12/17/00		6.95	99.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10,600	NA
	03/28/01		6.88	99.22	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	16,900	NA
	06/21/01		7.18	98.92	ND<1,000	ND<10	ND<10	ND<10	ND<10	3,400	NA
	09/23/01		7.11	98.99	ND<1,000	ND<10	ND<10	ND<10	ND<10	2200/1800 ^a	NA
	12/31/01		6.91	99.19	ND<5,000	ND<50	ND<50	ND<50	ND<50	14,000	NA
	03/14/02		6.85	99.25	ND<5,000	ND<50	ND<50	ND<50	ND<50	6,200	NA
	04/17/02		5.89	100.21	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,500	NA
	08/08/02		7.19	98.91	230 ^b	ND<2.0	ND<2.0	ND<2.0	ND<2.0	660/440 ^a	4.5
	12/12/02		7.28	98.82	630 ^d	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1300/830 ^a	1.9
	03/20/03 ^e		6.91	99.19	1,100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	780	2.2
	06/23/03		7.61	98.49	530	ND<5.0	ND<5.0	ND<5.0	ND<5.0	260	1.2
MW-3	06/20/00	106.29	9.18	97.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	27/27 ^a	NA
	09/28/00		9.33	96.96	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	4.3/ND<2.0 ^a	NA
	12/17/00		9.31	96.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	03/28/01		9.23	97.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.42	NA
	06/21/01		9.58	96.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	09/23/01		9.76	96.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	12/31/01		8.78	97.51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	03/14/02		9.25	97.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	NA
	04/17/02		8.44	97.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	08/08/02		9.63	96.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	2.6
	12/12/02		9.51	96.78	ND<50 ^d	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	3.0
	03/20/03 ^e		9.40	96.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	1.2
	06/23/03		9.36	96.93	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.2	0.9

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #4494
566 Hegenberger Road
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen (mg/L)	
MW-4	06/20/00	107.40	8.49	98.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10	NA	
	09/28/00		8.70	98.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.5	NA	
	12/17/00		8.53	98.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	03/28/01		8.59	98.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	06/21/01		8.79	98.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	09/23/01		8.67	98.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	12/31/01		8.03	99.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	03/14/02		8.48	98.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	04/17/02		7.79	99.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.6	NA	
	08/08/02		8.90	98.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	4.5	
	12/12/02		9.07	98.33	ND<50 ^d	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	5.6	
	03/20/03 ^e		8.85	98.55	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.50	ND<0.50	4.8
	06/23/03		9.26	98.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.3
MW-5	06/20/00	105.19	7.65	97.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10	NA	
	09/28/00		6.82	98.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.5	NA	
	12/17/00		6.50	98.69	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	03/28/01		6.34	98.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	06/21/01		7.88	97.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	09/23/01		6.98	98.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	12/31/01		5.01	100.18	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	03/14/02		5.93	99.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	04/17/02		5.37	99.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5	NA	
	08/08/02		6.85	98.34	ND<50 ^b	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.7	
	12/12/02		6.53	98.66	ND<50 ^d	2.2	4.7	1.3	6.8	ND<2.5	1.3	
	03/20/03 ^c		6.40	98.79	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.7
	06/23/03		6.72	98.47	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.3

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #4494
566 Hegenberger Road
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen (mg/L)	
MW-6	06/20/00	105.07	6.24	98.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10	NA	
	09/28/00		6.45	98.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.5	NA	
	12/17/00		6.26	98.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	03/28/01		6.10	98.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	06/21/01		7.68	97.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	09/23/01		6.72	98.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	12/23/01		4.68	100.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	03/14/02		5.55	99.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	
	04/17/02		4.96	100.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7	NA	
	08/08/02		6.46	98.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.7	
	12/12/02		6.18	98.89	65 ^d	3.3	8.4	2.7	14	ND<2.5	1.1	
	03/20/03 ^e		6.18	98.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2
	06/23/03		6.15	98.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0
MW-7	06/20/00	105.52	8.65	96.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	13/13 ^a	NA	
	09/28/00		8.75	96.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	136/261 ^a	NA	
	12/17/00		8.62	96.90	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27.1	NA	
	03/28/01		8.66	96.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	51.5	NA	
	06/21/01		8.84	96.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	53	NA	
	09/23/01		8.75	96.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	35/21 ^a	NA	
	12/23/01		7.79	97.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	440	NA	
	03/14/02		8.30	97.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	18	NA	
	04/17/02		7.43	98.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	67	NA	
	08/08/02		8.61	96.91	55 ^b	ND<0.5	ND<0.5	ND<0.5	ND<0.5	130/100 ^a	1.1	
	12/12/02		**	8.55	NC	75 ^d	ND<0.5	ND<0.5	ND<0.5	ND<0.5	160/130 ^a	1.2
	03/20/03 ^e		8.38	NC	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	32	2.2
	06/23/03		8.37	NC	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	0.8

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #4494
566 Hegenberger Road
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen (mg/L)
RW-1	06/20/00	NE	8.21	NC	ND<50	ND<0.5	1.1	ND<0.5	ND<1.0	ND<10	NA
	09/28/00		8.28	NC	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.5	NA
	12/17/00		8.29	NC	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	03/28/01		8.16	NC	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	06/21/01		9.37	NC	160	5.1	ND<0.5	1.1	3.2	ND<2.5	NA
	09/23/01		8.75	NC	57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA
	12/31/01		6.80	NC	520	3.1	ND<0.5	6.4	4.7	ND<2.5	NA
	03/14/02		7.86	NC	240	3.7	ND<0.5	0.7	2.8	ND<2.5	NA
	04/17/02		7.13	NC	ND<50	ND<0.5	1.6	ND<0.5	0.72	ND<2.5	NA
	08/08/02		8.48	NC	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7/ND<0.5 ^{a,c}	1.1
	12/12/02		8.63	NC	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	1.9
	03/20/03 ^e		8.08	NC	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9
	06/23/03		8.28	NC	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1

- TPH = Total Petroleum Hydrocarbons analyzed by EPA Method 8015M. (prior to 3/20/03)
- MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted. (prior to 3/20/03)
- µg/L = Micrograms per liter
- mg/L = Milligrams per liter
- NC = Not calculated
- NE = Not surveyed/No elevation
- ND< = Not detected at or above specified laboratory detection limit.
- a = Analyzed by EPA Method 8260
- b = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- c = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
- d = Analyzed by EPA Method 8215B/8021B for Gasoline Range Organics
- e = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on 2003 sampling event (03/20/03)
- ** = Top of casing was found shattered on December 12, 2002. Top of Casing (TOC) unknown.

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

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station #4494
566 Hegenberger Road
Oakland, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
06/20/00	North-Northeast	0.015
09/28/00	North	0.018
12/17/00	North-Northwest	0.013
03/28/01	Northwest	0.011
06/21/01	North	0.017
09/23/01	North	0.020
12/31/01	North-Northwest	0.023
03/14/02	North-Northwest	0.017
04/14/02	Northwest	0.007
08/08/02	North-Northwest	0.022
12/12/02	North-Northwest	0.017
03/20/03	North-Northwest	0.016
06/23/03	Northwest	0.014

Note:

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

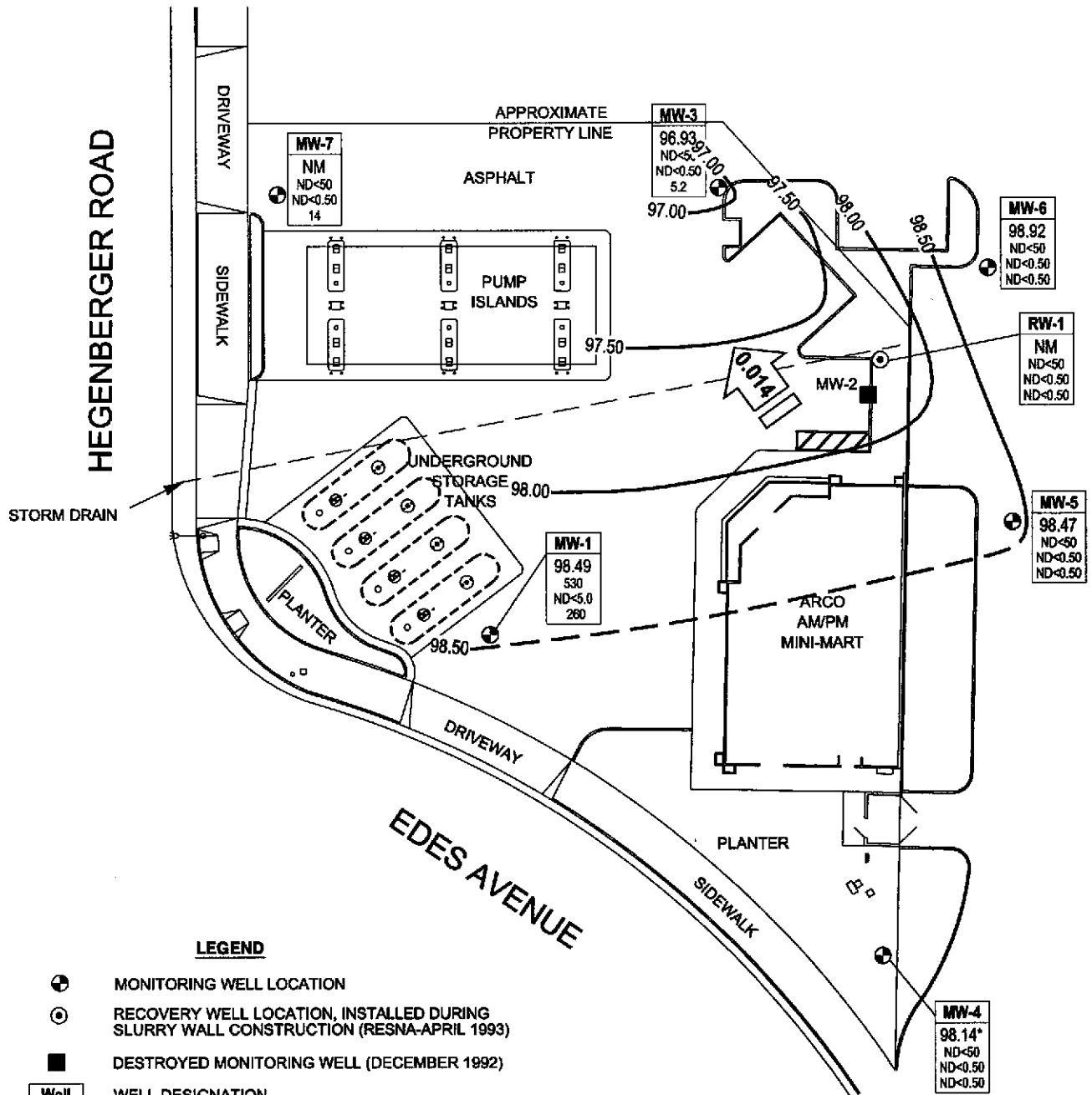
**Table 3
Fuel Oxygenate Analytical Data**

ARCO Service Station # 4494
566 Hagenberger Road
Oakland, 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	03/20/03	ND<1,000	640	780	ND<5.0	ND<5.0	ND<5.0	NA	NA
	06/23/03	ND<1,000	ND<200	260	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-3	03/20/03	ND<100	ND<20	601	ND<0.50	ND<0.50	1.1	NA	NA
	06/23/03	ND<100	ND<20	5.2	ND<0.50	ND<0.50	0.75	ND<0.50	ND<0.50
MW-4	03/20/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/23/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-5	03/20/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/23/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-6	03/20/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/23/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7	03/20/03	ND<100	ND<20	32	ND<0.50	ND<0.50	0.62	NA	NA
	06/23/03	ND<100	170	14	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
RW-1	03/20/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/23/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

- 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< = Less than laboratory reporting limit
NA = Not analyzed

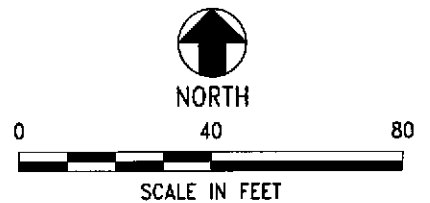
X:\env_waste\BP_GEM\Sites\Scott Robinson\Paul_Supple\4494\Monitoring\Qtr_2_2003\Drawings\GWEC-AS_B-23.dwg, 07/24/2003 02:16:05 PM, jaway80



LEGEND

- MONITORING WELL LOCATION
 - ⊙ RECOVERY WELL LOCATION, INSTALLED DURING SLURRY WALL CONSTRUCTION (RESNA-APRIL 1993)
 - DESTROYED MONITORING WELL (DECEMBER 1992)
- | Well | WELL DESIGNATION |
|---------|--|
| ELEV | GROUNDWATER ELEVATION CONTOUR (FT/MSL) |
| TPH-g | CONCENTRATION OF TPH-g, BENZENE, AND MTBE IN MICROGRAMS PER LITER (µg/L) |
| Benzene | |
| MTBE | |
- * GROUNDWATER ELEVATION NOT USED IN CONTOUR
 - ND NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
 - NM NOT MEASURED
 - ← 0.014 GROUNDWATER FLOW AND GRADIENT (FT/FT)
 - 98.0 GROUNDWATER ELEVATION CONTOUR (FT/MSL)

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



Project No. 38486122
 Arco Service Station 4494
 566 Hegenberger Road
 Oakland, California

**GROUNDWATER ELEVATION CONTOUR
 AND ANALYTICAL SUMMARY MAP**
 Second Quarter 2003 (June 23, 2003)

FIGURE
 1

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 # 030623-DW-3 Date 6-23-03 Client Arco

Site 566 Hegenberger Rd Oakland

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	
MW-1	4					7.61	22.96	↓	
MW-3	4					9.36	17.91		NP 7'
MW-4	4					9.26	16.61		NP 7'
MW-5	2					6.72	16.99		
MW-6	2					6.15	18.20		
MW-7	4					8.37	13.40		
RW-1	2					8.28	11.24		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030623-DW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter</u>	Date: <u>6-23-03</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>22.96</u>	Depth to Water: <u>7.61</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> 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 Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Middleburg Extraction Port

Electric Submersible Other: _____

Extraction Pump

Other: _____

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

<u>10.0</u>	x	<u>3</u>	=	<u>30</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>14:05</u>	<u>70.6</u>	<u>7.5</u>	<u>9955</u>	<u>10</u>	<u>clear</u>
	<u>Well dewatered @ 12 g</u>			<u>DTW = 20.85</u>	
<u>14:15</u>	<u>70.1</u>	<u>7.6</u>	<u>7610</u>	<u>—</u>	<u>DTW = 17.03</u>

Did well dewater? (Yes) No Gallons actually evacuated: 12

Sampling Time: 14:15 Sampling Date: 6-23-03

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

Analyzed for: (TPH-G BTEX) MTBE TPH-D Other: Oxygenates, Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030623-MW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter</u>	Date: <u>6-23-03</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>17.91</u>	Depth to Water: <u>9.36</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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 Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible
 Extraction Pump
 Other: _____

Top of Screen: 7' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	X	<u>no purge</u>	Gals.
		Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
13:22	70.9	8.7	5488	—	clear

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 13:22 Sampling Date: 6-23-03

Sample I.D.: MW-3 Laboratory: Pace Sequoia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol by 8360

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 #: <u>030623-DW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter</u>	Date: <u>6-23-03</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>16.61</u>	Depth to Water: <u>9.26</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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: <u>Bailer</u> <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
--	---

Top of Screen: 7' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____	X	<u>no purge</u>	_____ Gals.	
1 Case Volume (Gals.)		Specified Volumes	Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>12:50</u>	<u>66.5</u>	<u>7.5</u>	<u>1055</u>	—	<u>clear</u>

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 12:50 Sampling Date: 6-23-03

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol by E260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>6.3</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030623-DW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter</u>	Date: <u>6-23-03</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>16.99</u>	Depth to Water: <u>6.72</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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.

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

Time	Temp (°F)	pH	Conductivity (mS or <u>μS</u>)	Gals. Removed	Observations
13:02	68.2	7.3	9377	1.6	
13:05	67.6	7.1	11920	3.2	
13:07	67.4	7.2	11550	4.8	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>4.8</u>
Sampling Time: <u>13:12</u>	Sampling Date: <u>6-23-03</u>
Sample I.D.: <u>MW-5</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>TPH-G BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Ethanol by 8260</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: <u>1.3</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030623-DW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter (PH)</u>	Date: <u>6-23-03</u>
Well I.D.: <u>mw-6</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>18.20</u>	Depth to Water: <u>6.15</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> 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.

<u>1.9</u>	x	<u>3</u>	=	<u>5.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1330	70.5	7.5	6349	2.0	cloudy
1332	69.7	7.2	6212	4.0	"
1334	69.7	7.1	6172	6.0	"

Did well dewater? Yes <u>(No)</u>	Gallons actually evacuated: <u>6.0</u>	
Sampling Time: <u>1339</u>	Sampling Date: <u>6-23-03</u>	
Sample I.D.: <u>mw-6</u>	Laboratory: Pace <u>Sequoia</u> Other _____	
Analyzed for: <u>TPH-G BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Ethanol by 8260</u>		
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: <u>2.0</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030623-DW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter (RH)</u>	Date: <u>6-23-03</u>
Well I.D.: <u>mw-7</u>	Well Diameter: <u>12</u> 3 <u>4</u> 6 8
Total Well Depth: <u>13.40</u>	Depth to Water: <u>8.37</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Disposable Bailer
 Extraction Port
 Other: _____

Other: _____

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

<u>3.3</u>	x	<u>3</u>	=	<u>9.9</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1350	74.8	7.1	4428	3.3	yellow
1351	71.0	7.2	4336	6.6	"
1352	70.2	7.1	4222	10.0	"

Did well dewater? Yes No Gallons actually evacuated: 10.0

Sampling Time: 1357 Sampling Date: 6-23-03

Sample I.D.: mw-7 Laboratory: Pace Sequoia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030623-DW-3</u>	Station # <u>4494</u>
Sampler: <u>Dave Walter</u>	Date: <u>6-23-03</u>
Well I.D.: <u>RW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>11.24</u>	Depth to Water: <u>8.28</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> 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: <u>Bailer</u>	Sampling Method: <u>Bailer</u>
<input checked="" type="checkbox"/> Disposable Bailer	<input checked="" type="checkbox"/> Disposable Bailer
<input type="checkbox"/> Middleburg	<input type="checkbox"/> Extraction Port
<input type="checkbox"/> Electric Submersible	Other: _____
<input type="checkbox"/> Extraction Pump	
Other: _____	

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

<u>0.5</u>	x	<u>3</u>	=	<u>1.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>13:45</u>	<u>69.2</u>	<u>7.5</u>	<u>14770</u>	<u>0.5</u>	<u>clear</u>
<u>13:47</u>	<u>68.6</u>	<u>7.4</u>	<u>17420</u>	<u>1.0</u>	
<u>13:49</u>	<u>68.5</u>	<u>7.3</u>	<u>18560</u>	<u>1.5</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>1.5</u>
Sampling Time: <u>13:54</u>	Sampling Date: <u>6-23-03</u>
Sample I.D.: <u>RW-1</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>(TPH-G BTEX)</u> MTBE TPH-D Other: <u>Oxygenates, Ethanol by 8260</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L
	Post-purge: <u>1.1</u> 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:

4494

Station # _____

Station Address 566 Hegenberger Rd Oakland

Total Gallons Collected From Groundwater Monitoring Wells:
32

added equip. _____ any other _____
 rinse water 10 adjustments _____

TOTAL GALS. RECOVERED 42 loaded onto _____
 BTS vehicle # 47

BTS event# _____ time _____ date _____
030623-pw-3 14:25 6/23/03

signature David C Stalto

REC'D AT _____ time _____ date _____
 _____ / /

unloaded by _____
 signature _____

WELLHEAD INSPECTION CHECKLIST

Client Arco Date 6-23-03
 Site Address 566 Hegenberger Rd Oakland
 Job Number 030623-DW-3 Technician Dave Walker

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
mw-1	X							
mw-3	X							
mw-4	Y							
mw-5	Y							
mw-6	Y							
mw-7	Y							
RW-1	Y							

NOTES: _____

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.



11 July, 2003

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

RE: ARCO #4494, Oakland, CA
Sequoia Work Order: MMF0710

Enclosed are the results of analyses for samples received by the laboratory on 06/24/03 08:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley For Theresa Allen
Project Manager

CA ELAP Certificate #1210



URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607

Project: ARCO #4494, Oakland, CA
Project Number: INTRIM-50443
Project Manager: Scott Robinson

MMF0710
Reported:
07/11/03 14:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MMF0710-01	Water	06/23/03 14:15	06/24/03 08:20
MW-3	MMF0710-02	Water	06/23/03 13:22	06/24/03 08:20
MW-4	MMF0710-03	Water	06/23/03 12:50	06/24/03 08:20
MW-5	MMF0710-04	Water	06/23/03 13:12	06/24/03 08:20
MW-6	MMF0710-05	Water	06/23/03 13:39	06/24/03 08:20
MW-7	MMF0710-06	Water	06/23/03 13:57	06/24/03 08:20
RW-1	MMF0710-07	Water	06/23/03 13:54	06/24/03 08:20

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



URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607

Project: ARCO #4494, Oakland, CA
Project Number: INTRIM-50443
Project Manager: Scott Robinson

MMF0710
Reported:
07/11/03 14:37

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MMF0710-01) Water Sampled: 06/23/03 14:15 Received: 06/24/03 08:20									
Ethanol	ND	1000	ug/l	10	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	260	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	530	500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.6 %	78-129	"	"	"	"	"	
MW-3 (MMF0710-02) Water Sampled: 06/23/03 13:22 Received: 06/24/03 08:20									
Ethanol	ND	100	ug/l	1	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	5.2	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	0.75	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 (C6-C10)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	78-129	"	"	"	"	"	

URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607

Project: ARCO #4494, Oakland, CA
Project Number: INTRIM-50443
Project Manager: Scott Robinson

MMF0710
Reported:
07/11/03 14:37

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MMF0710-03) Water Sampled: 06/23/03 12:50 Received: 06/24/03 08:20									
Ethanol	ND	100	ug/l	1	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 97.4 % 78-129 " " " "

MW-5 (MMF0710-04) Water Sampled: 06/23/03 13:12 Received: 06/24/03 08:20									
Ethanol	ND	100	ug/l	1	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 95.8 % 78-129 " " " "



URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607

Project: ARCO #4494, Oakland, CA
Project Number: INTRIM-50443
Project Manager: Scott Robinson

MMF0710
Reported:
07/11/03 14:37

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MMF0710-05) Water Sampled: 06/23/03 13:39 Received: 06/24/03 08:20									
Ethanol	ND	100	ug/l	1	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 97.8 % 78-129 " " " "

MW-7 (MMF0710-06) Water Sampled: 06/23/03 13:57 Received: 06/24/03 08:20									
Ethanol	ND	100	ug/l	1	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	170	20	"	"	"	"	"	"	
Methyl tert-butyl ether	14	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 (C6-C10)	ND	50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 99.2 % 78-129 " " " "



URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607

Project: ARCO #4494, Oakland, CA
Project Number: INTRIM-50443
Project Manager: Scott Robinson

MMF0710
Reported:
07/11/03 14:37

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MMF0710-07) Water Sampled: 06/23/03 13:54 Received: 06/24/03 08:20									
Ethanol	ND	100	ug/l	1	3G02002	07/02/03	07/02/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %		78-129	"	"	"	"	



URS Corporation [Arco] 500 12th Street, Suite 100 Oakland CA, 94607	Project: ARCO #4494, Oakland, CA Project Number: INTRIM-50443 Project Manager: Scott Robinson	MMF0710 Reported: 07/11/03 14:37
---	---	---

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 3G02002 - EPA 5030B P/T

Blank (3G02002-BLK1)

Prepared & Analyzed: 07/02/03

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 (C6-C10)	ND	50	"							

<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.83		"	5.00		96.6	78-129			
---	------	--	---	------	--	------	--------	--	--	--

Laboratory Control Sample (3G02002-BS1)

Prepared & Analyzed: 07/02/03

Methyl tert-butyl ether	9.56	0.50	ug/l	10.0		95.6	63-137			
Benzene	10.2	0.50	"	10.0		102	78-124			
Toluene	11.9	0.50	"	10.0		119	78-129			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.81		"	5.00		96.2	78-129			
---	------	--	---	------	--	------	--------	--	--	--

Laboratory Control Sample (3G02002-BS2)

Prepared & Analyzed: 07/02/03

Methyl tert-butyl ether	8.26	0.50	ug/l	9.92		83.3	63-137			
Benzene	5.27	0.50	"	6.40		82.3	78-124			
Toluene	32.9	0.50	"	29.7		111	78-129			
Gasoline Range Organics (C6-C10)	423	50	"	440		96.1	70-113			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.51		"	5.00		90.2	78-129			
---	------	--	---	------	--	------	--------	--	--	--

URS Corporation [Arco]
 500 12th Street, Suite 100
 Oakland CA, 94607

 Project: ARCO #4494, Oakland, CA
 Project Number: INTRIM-50443
 Project Manager: Scott Robinson

 MMF0710
Reported:
 07/11/03 14:37

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 3G02002 - EPA 5030B P/T

Matrix Spike (3G02002-MS1)	Source: MMF0710-01			Prepared & Analyzed: 07/02/03						
Methyl tert-butyl ether	344	5.0	ug/l	99.2	260	84.7	63-137			
Benzene	52.5	5.0	"	64.0	ND	82.0	78-124			
Toluene	332	5.0	"	297	0.80	112	78-129			
Gasoline Range Organics (C6-C10)	4250	500	"	4400	530	84.5	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.75</i>		<i>"</i>	<i>5.00</i>		<i>95.0</i>	<i>78-129</i>			

Matrix Spike Dup (3G02002-MSD1)	Source: MMF0710-01			Prepared & Analyzed: 07/02/03						
Methyl tert-butyl ether	347	5.0	ug/l	99.2	260	87.7	63-137	0.868	13	
Benzene	53.0	5.0	"	64.0	ND	82.8	78-124	0.948	12	
Toluene	330	5.0	"	297	0.80	111	78-129	0.604	10	
Gasoline Range Organics (C6-C10)	4270	500	"	4400	530	85.0	70-113	0.469	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.90</i>		<i>"</i>	<i>5.00</i>		<i>98.0</i>	<i>78-129</i>			



URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607

Project: ARCO #4494, Oakland, CA
Project Number: INTRIM-50443
Project Manager: Scott Robinson

MMF0710
Reported:
07/11/03 14:37

Notes and Definitions

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



Chain of Custody Record

Project Name 030623-DW-3
 BP BU/GEM CO Portfolio: _____
 BP Laboratory Contract Number: _____

Date: 6-23-03

Requested Due Date (mm/dd/yy) _____

MNF0710

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

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

BP/GEM Facility No.: _____
 BP/GEM Facility Address: 566 HEGENBERGER, OAKLAND, CA
 Site ID No. ARCO 4494
 Site Lat/Long: _____
 California Global ID #: T0600100104
 BP/GEM PM Contact: PAUL SUPPLE
 Address: _____
 Tele/Fax: _____

Consultant/Contractor: URS
 Address: 500 12th St, Ste. 200
Oakland, CA 94609-4014
 e-mail EDD: syed_rehan@urscorp.com
 Consultant/Contractor Project No.: J5-00004494.01 00-127
 Consultant Tele/Fax: 510-874-1735/510-874-3268
 Consultant/Contractor PM: Scott Robinson
 Invoice to: Consultant/Contractor or (BP/GEM) (circle one)
 BP/GEM Work Release No: INTRIM -50143

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis				Sample Point Lat/Long and Comments
			Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TSS-G / BTX (8260)	TFH-D (8015)	MTBE (8021)	MTBE, TAME, ETBE, DPE, TBA (8260)	
1	MW-1	6/14/03 11:15		X			01	3					X	X	X	X	
2	MW-3	6/13/03 13:22					02	1					X	X	X	X	
3	MW-4	6/12/03 12:50					03	1					X	X	X	X	
4	MW-5	6/13/03 11:12					04	1					X	X	X	X	
5	MW-6	6/13/03 11:39					05	1					X	X	X	X	
6	MW-7	6/13/03 13:57					06	1					X	X	X	X	
7	RW-1	6/13/03 11:54					07	1					X	X	X	X	
8																	
9																	
10																	

Sampler's Name: <u>Dave Waffey</u>	Requisitioned By / Affiliation: <u>David C. Waffey</u>	Date: <u>6/24/03</u>	Time: <u>8:20</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>6/24/03</u>	Time: <u>8:20</u>
Sampler's Company: <u>Blaine Tech Services</u>	<u>[Signature]</u>	<u>6/24/03</u>	<u>8:20</u>	<u>[Signature]</u>	<u>6/24/03</u>	<u>8:20</u>
Instrument Date: _____						
Instrument Method: _____						
Instrument Tracking No: _____						

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

Labels in Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt No Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: VRS
 REC. BY (PRINT) TV
 WORKORDER: MMF 0710

DATE REC'D AT LAB: 6/24/03
 TIME REC'D AT LAB: 8:20
 DATE LOGGED IN: 6-24-03

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 <input checked="" type="radio"/> Absent <input type="radio"/> Intact / Broken*	01		MW = 1 (3) Vols		HCl	L	6/23/03	
2. Chain-of-Custody	Present <input checked="" type="radio"/> Absent <input type="radio"/> *	02		↓ - 2					
3. Traffic Reports or Packing List	Present <input checked="" type="radio"/> Absent <input type="radio"/>	03		↓ - 3					
4. Airbill:	Airbill / Sticker Present <input checked="" type="radio"/> Absent <input type="radio"/>	04		↓ - 4					
5. Airbill #:		05		↓ - 5					
6. Sample Labels:	Present <input checked="" type="radio"/> Absent <input type="radio"/>	06		↓ - 6					
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody	07		↓ - 7					
8. Sample Condition:	Intact <input checked="" type="radio"/> Broken* / Leaking*	08		RW = 1					
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: Is temp 4 +/- 2°C?	5°C Yes <input checked="" type="radio"/> No**								
(Acceptance range for samples requiring thermal pres.) **Exception (if any): Metals / DPF (Direct From Field) or Problem COC									

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

ATTACHMENT C
HISTORIC GROUNDWATER DATA

Table 2
Liquid Surface Elevation Data

ARCO Service Station 4494
566 Hegenberger Road at Edes Avenue
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Depth to Liquid (feet, TOC)	SPH Thickness (feet)	Liquid Surface Elevation (feet, MSL)
MW-1	06/06/90	105.31	6.65	6.05	0.00	98.66
	08/16/90		7.00	7.00	0.00	98.31
	08/21/90		7.05	7.05	0.00	98.26
	09/07/90		7.24	7.24	0.00	98.07
	11/20/90		7.46	7.46	0.00	97.85
	11/29/90		7.40	7.40	0.00	97.91
	12/19/90		6.99	6.99	0.00	98.32
	01/29/91		7.23	7.23	0.00	98.08
	02/27/91		7.45	7.45	0.00	97.86
	03/07/91		6.96	6.96	0.00	98.35
	03/26/91		6.02	6.02	0.00	99.29
	05/02/91		7.04	7.04	0.00	98.27
	06/27/91		6.71	6.71	0.00	98.60
	07/24/91		6.91	6.91	0.00	98.40
	08/22/91		6.85	6.85	0.00	98.46
	09/30/91		7.04	7.04	0.00	98.27
	10/17/91		7.22	7.22	0.00	98.09
	11/21/91	7.17	7.17	0.00	98.14	
	12/18/91	7.46	7.46	0.00	97.85	
	01/19/92	7.44	7.44	0.00	97.87	
	02/20/92	6.25	6.25	0.00	99.06	
	03/20/92	6.40	6.40	0.00	98.91	
	04/20/92	6.88	6.88	0.00	98.43	
	05/19/92	7.10	7.10	0.00	98.21	
	06/08/92	7.22	7.22	0.00	98.09	
	07/15/92	7.92	7.92	0.00	97.39	
	08/06/92	7.29	7.29	0.00	98.81	
	10/29/92	7.34	7.34	0.00	98.76	
	11/23/92	8.15	8.15	0.00	97.95	
	08/16/93	7.23	7.23	0.00	98.87	
	11/17/93	7.51	7.51	0.00	98.59	
	02/21/94	6.56	6.56	0.00	99.54	
	05/11/94	6.57	6.57	0.00	99.53	
08/12/94	7.12	7.12	0.00	98.98		
11/17/94	6.85	6.85	0.00	99.28		
02/22/95	7.35	7.35	0.00	98.75		
05/24/95	7.07	7.07	0.00	99.03		
08/23/95	7.10	7.10	0.00	99.00		
11/17/95	7.72	7.72	0.00	98.38		
MW-2	06/06/90	105.78	9.92*	9.00	0.92	95.86
	08/16/90		NM	NM	0.17	NM
	08/21/90		NM	NM	0.17	NM
	09/07/90		9.34*	9.17	0.17	96.44
	11/20/90		9.20*	9.2	Sheen	96.58
	11/29/90		9.92*	9.92	Sheen	95.86
	12/19/90		8.95	8.95	0/00	96.83
	01/29/91		9.01	9.01	Sheen	96.77
	02/27/91		9.14	9.14	Sheen	96.64
	03/07/91		8.94	8.94	Sheen	96.84
	03/26/91		8.11	8.11	Sheen	97.67
05/02/91	8.72	8.72	0	97.06		

3300412B\4Q95TBLS.XLS!Table2

Table 2 (continued)
Liquid Surface Elevation Data

ARCO Service Station 4494
566 Hegenberger Road at Edes Avenue
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Depth to Liquid (feet, TOC)	SPH Thickness (feet)	Liquid Surface Elevation (feet, MSL)
MW-2 (cont.)	06/27/91		9.20	9.2	Sheen	96.58
	07/24/91		9.25	9.25	0.00	96.53
	08/22/91		9.20	9.20	0.00	96.58
	09/30/91		9.31	9.31	Sheen	96.47
	10/17/91		9.39	9.39	Sheen	96.39
	11/21/91		9.20	9.2	0	96.58
	12/18/91		9.23	9.23	Sheen	96.55
	01/19/92		9.96**	9.96	Skimmer	95.82
	02/20/92		9.13**	9.13	Skimmer	96.65
	03/20/92		9.31**	9.31	Skimmer	96.47
	04/20/92		9.69	9.69	Skimmer	96.09
	05/19/92		9.92	9.92	Skimmer	95.86
	06/08/92		9.84	9.84	Skimmer	95.94
	07/15/92		10.19	10.19	Skimmer	95.59
	08/06/92	106.57	10.05	10.05	Skimmer	96.52
	10/29/92		10.00	10.00	Skimmer	96.57
	11/23/92		9.88	9.87	0.01	96.69
		-----Well Destroyed-----				
MW-3	08/16/90	105.51	8.87	8.87	0.00	96.64
	08/21/90		8.85	8.85	0.00	96.66
	09/07/90		8.98	8.98	0.00	96.53
	11/20/90		9.10	9.10	0.00	96.41
	11/29/90		9.05	9.05	0.00	96.46
	12/19/90		8.67	8.67	0.00	96.84
	01/29/91		8.96	8.96	0.00	96.55
	02/27/91		8.71	8.71	0.00	96.80
	03/07/91		8.49	8.49	0.00	97.02
	03/26/91		7.65	7.65	0.00	97.86
	05/02/91		8.62	8.62	0.00	96.89
	06/27/91		8.94	8.94	0.00	96.57
	07/24/91		8.96	8.96	0.00	96.55
	08/22/91		8.92	8.92	0.00	96.59
	09/30/91		9.04	9.04	0.00	96.47
	10/17/91		9.12	9.12	0.00	96.39
	11/21/91		8.92	8.92	0.00	96.59
	12/18/91		8.97	8.97	0.00	96.54
	01/19/92		8.69	8.69	0.00	96.82
	02/20/92		7.78	7.78	0.00	97.73
	03/20/92		8.15	8.15	0.00	97.36
	04/20/92		8.57	8.57	0.00	96.94
	05/19/92		8.76	8.76	0.00	96.75
	06/08/92		8.74	8.74	0.00	96.77
	07/15/92		9.12	9.12	0.00	96.39
	08/06/92	106.29	8.95	8.95	0.00	97.34
	10/29/92		8.78	8.78	0.00	97.51
	11/23/92		9.91	9.91	0.00	96.38
	08/16/93		8.62	8.62	0.00	97.67
	11/17/93		8.72	8.72	0.00	97.57
02/21/94		7.91	7.91	0.00	98.38	
05/11/94			8.09	8.09	0.00	98.20

3300412B4Q95TBLS.XLS!Table2

Table 2 (continued)
Liquid Surface Elevation Data

ARCO Service Station 4494
566 Hegenberger Road at Edes Avenue
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Depth to Liquid (feet, TOC)	SPH Thickness (feet)	Liquid Surface Elevation (feet, MSL)
MW-3 (cont.)	08/12/94		8.78	8.78	0.00	97.51
	11/17/94		8.45	8.45	0.00	97.84
	02/22/95		8.95	8.95	0.00	97.34
	05/24/95		8.67	8.67	0.00	97.62
	08/23/95		9.17	9.17	0.00	97.12
	11/17/95		9.39	9.39	0.00	96.90
MW-4	08/16/90	106.61	8.16	8.16	0.00	98.45
	08/21/90		8.22	8.22	0.00	98.39
	09/07/90		8.39	8.39	0.00	98.22
	11/20/90		8.57	8.57	0.00	98.04
	11/29/90		8.53	8.53	0.00	98.08
	12/19/90		8.13	8.13	0.00	98.48
	01/29/91		8.66	8.66	0.00	97.95
	02/27/91		8.44	8.44	0.00	98.17
	03/07/91		8.18	8.18	0.00	98.43
	03/26/91		7.56	7.56	0.00	99.05
	05/02/91		8.25	8.25	0.00	98.36
	06/27/91		7.75	7.75	0.00	98.86
	07/24/91		8.12	8.12	0.00	98.49
	08/22/91		7.98	7.98	0.00	98.63
	09/30/91		8.26	8.26	0.00	98.35
	10/17/91		8.42	8.42	0.00	98.19
	11/21/91		8.65	8.65	0.00	97.96
	12/18/91		8.77	8.77	0.00	97.84
	01/19/92		8.42	8.42	0.00	98.19
	02/20/92		7.60	7.60	0.00	99.01
	03/20/92		7.61	7.61	0.00	99.00
	04/20/92		8.15	8.15	0.00	98.46
	05/19/92		8.14	8.14	0.00	98.47
	06/08/92		8.40	8.40	0.00	98.21
	07/15/92		8.72	8.72	0.00	97.89
	08/06/92	107.40	8.52	8.52	0.00	98.88
	10/29/92		8.63	8.63	0.00	98.77
	11/23/92		8.75	8.75	0.00	98.65
08/16/93		8.69	8.69	0.00	98.71	
11/17/93		9.11	9.11	0.00	98.29	
02/21/94		8.16	8.16	0.00	99.24	
05/11/94		8.29	8.29	0.00	99.11	
08/12/94		8.75	8.75	0.00	98.65	
11/17/94		8.40	8.40	0.00	99.00	
02/22/95		8.72	8.72	0.00	98.68	
05/24/95		8.63	8.63	0.00	98.77	
08/23/95		6.50	6.50	0.00	100.90	
11/17/95		9.15	9.15	0.00	98.25	
MW-5	08/06/92	105.19	7.19	7.19	0.00	98.00
	10/29/92		6.99	6.99	0.00	98.20
	11/23/92		6.90	6.90	0.00	98.29
	08/16/93		7.06	7.06	0.00	98.13
	11/17/93		6.91	6.91	0.00	98.28
	02/21/94		5.52	5.52	0.00	99.67
	05/11/94		6.18	6.18	0.00	99.01
	08/12/94		6.81	6.81	0.00	98.38
	11/17/94		5.38	5.38	0.00	99.81
	02/22/95		6.25	6.25	0.00	98.94

Table 2 (continued)
Liquid Surface Elevation Data

ARCO Service Station 4494
566 Hegenberger Road at Edes Avenue
Oakland, California

Well Number	Date Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, TOC)	Depth to Liquid (feet, TOC)	SPH Thickness (feet)	Liquid Surface Elevation (feet, MSL)
MW-5 (cont.)	05/24/95		6.30	6.30	0.00	98.59
	08/23/95		6.90	6.90	0.00	98.29
	11/17/95		7.02	7.02	0.00	98.17
MW-8	08/06/92	105.07	7.01	7.01	0.00	98.06
	10/29/92		6.70	6.70	0.00	98.37
	11/23/92		6.75	6.75	0.00	98.32
	08/16/93		6.71	6.71	0.00	98.36
	11/17/93		6.67	6.67	0.00	98.40
	02/21/94		5.31	5.31	0.00	99.76
	05/11/94		5.98	5.98	0.00	99.09
	08/12/94		6.60	6.60	0.00	98.47
	11/17/94		5.09	5.09	0.00	99.98
	02/22/95		5.85	5.85	0.00	99.22
	05/24/95		5.92	5.92	0.00	99.15
	08/23/95		6.50	6.50	0.00	98.57
	11/17/95		6.75	6.75	0.00	98.32
	08/06/92	105.52	8.28	8.28	0.00	97.24
	10/29/92		8.62	8.62	0.00	96.90
	11/23/92		8.21	8.21	0.00	97.31
	08/16/93		8.11	8.11	0.00	97.41
	11/17/93		8.11	8.11	0.00	97.41
	02/21/94		7.34	7.34	0.00	98.18
05/11/94		7.45	7.45	0.00	98.07	
08/12/94		8.13	8.13	0.00	97.39	
11/17/94		7.90	7.90	0.00	97.62	
02/22/95		8.40	8.40	0.00	97.12	
05/24/95		8.29	8.29	0.00	97.23	
08/23/95		8.60	8.60	0.00	96.92	
11/17/95		8.73	8.73	0.00	96.79	
RW-1	08/16/93	NM				
	11/17/93					
	02/21/94		7.69	7.69	0.00	NM
	05/11/94		7.96	7.96	0.00	NM
	08/12/94		7.58	7.58	0.00	NM
	11/17/94		7.66	7.66	0.00	NM
	02/22/95		8.00	8.00	0.00	NM
	05/24/95		8.10	8.10	0.00	NM
	08/23/95		8.67	8.67	0.00	NM
11/17/95		9.15	9.15	0.00	NM	

MSL = Mean sea level
TOC = Top of casing
* = Separate-phase hydrocarbons present in well.
** = Skimmer installed (12/24/91).
NM = Not measured

Table 3
Groundwater Analytical Data
 Total Petroleum Hydrocarbons
 (TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, and Total Oil and Grease)

ARCO Service Station 4494
 566 Hegenberger Road at Edes Avenue
 Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TEPH as Diesel (ppb)	Total Oil and Grease (ppm)	
MW-1	06/19/90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5000	
	08/16/90	<20	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	09/07/90	N/A	N/A	N/A	N/A	N/A	N/A	<5000	
	11/29/90	<50	<0.50	0.7	<0.50	<0.50	N/A	N/A	
	03/07/91	<50	<0.30	<0.30	<0.30	<0.30	N/A	N/A	
	06/27/91	<50	<0.30	<0.30	<0.30	<0.30	N/A	N/A	
	09/30/91	<50	<0.30	<0.30	<0.30	<0.30	N/A	N/A	
	12/18/91	<50	<0.30	<0.30	<0.30	<0.30	N/A	N/A	
	03/20/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	06/08/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	08/06/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	10/29/92	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	02/22/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	05/11/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/12/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	02/22/95	-----Well Sampled Annually-----							
	05/24/95	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
08/23/95	-----Well Sampled Annually-----								
11/17/95	-----Well Sampled Annually-----								
MW-2	06/19/90	-----0.92 foot of Separate-Phase Hydrocarbons-----							
	08/16/90	-----0.17 foot of Separate-Phase Hydrocarbons-----							
	09/07/90	-----Separate-Phase Hydrocarbons-----							
	11/29/90	-----Separate-Phase Hydrocarbons-----							
	03/07/91	-----Separate-Phase Hydrocarbons-----							
	06/27/91	-----Separate-Phase Hydrocarbons-----							
	09/30/91	-----Separate-Phase Hydrocarbons-----							
	12/18/91	-----Separate-Phase Hydrocarbons-----							
	03/20/92	48,000	2,000	580	2,300	7,000	N/A	N/A	
	06/08/92	43,000	2,900	940	240	5,100	N/A	N/A	
08/06/92	78,000	2,500	6,700	2,900	16,000	N/A	N/A		
10/29/92	NS	NS	NS	NS	NS	NS	NS		
12/08/92	-----Well Destroyed-----								
MW-3	06/19/90	<20	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	08/16/90	N/A	N/A	N/A	N/A	N/A	N/A	<5,000	
	09/07/90	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	11/29/90	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	03/07/91	<50	<30	<30	<30	<30	N/A	N/A	
	06/27/91	<30	<30	<30	<30	<30	N/A	N/A	
	09/30/91	<30	<30	<30	<30	<30	N/A	N/A	
	12/18/91	<30	<30	<30	<30	<30	N/A	N/A	
	03/20/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	06/08/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	08/06/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	10/29/92	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	

3300412B4Q95TBLS.XLS!Table3

Recreated from hard copies of tables developed by Pacific Environmental Group, Inc.

February 15, 1996

Table 3 (continued)
Groundwater Analytical Data
Total Petroleum Hydrocarbons
 (TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, and Total Oil and Grease)

ARCO Service Station 4494
 566 Hegenberger Road at Edes Avenue
 Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	TEPH as Diesel (ppb)	Total Oil and Grease (ppm)	
MW-3 (cont.)	02/22/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	05/11/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/12/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	02/22/95	Well Sampled Annually							
	05/24/95	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	08/23/95	Well Sampled Annually							
	11/17/95	Well Sampled Annually							
	MW-4	08/16/90	<20	<0.50	<0.50	<0.50	<0.50	N/A	N/A
		09/07/90	N/A	N/A	N/A	N/A	N/A	N/A	<5,000
11/29/90		<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
03/07/91		<50	<0.30	<0.30	<0.30	<0.30	N/A	N/A	
06/27/91		<50	0.75	1.1	<0.30	1.6	N/A	N/A	
09/30/91		<50	<0.30	<0.30	<0.30	<0.30	N/A	N/A	
12/18/91		<50	0.83	1.2	<0.30	0.58	N/A	N/A	
03/20/92		<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
06/08/92		<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
08/06/92		<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
10/29/92		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
08/16/93		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
11/17/93		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
02/22/94		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
05/11/94		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
08/12/94		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
11/17/94		<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
02/22/95		Well Sampled Annually							
05/24/95		<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
08/23/95		Well Sampled Annually							
11/17/95	Well Sampled Annually								
MW-5	08/06/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	10/29/92	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	02/22/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	05/11/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/12/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	02/22/95	Well Sampled Annually							
	05/24/95	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
08/23/95	Well Sampled Annually								
11/17/95	Well Sampled Annually								
MW-6	08/06/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A	
	10/29/92	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	02/22/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	05/11/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	08/12/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
	11/17/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A	
02/22/95	Well Sampled Annually								

3300412B\4Q95TBLS.XLS!Table3

Table 3 (continued)
Groundwater Analytical Data
 Total Petroleum Hydrocarbons
 (TPPH as Gasoline, BTEX Compounds, TEPH as Diesel, and Total Oil and Grease)

ARCO Service Station 4494
 566 Hegenberger Road at Edes Avenue
 Oakland, California

Well Number	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	TEPH as Diesel (ppb)	Total Oil and Grease (ppm)
MW-6 (cont.)	05/24/95	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A
	08/23/95	-----Well Sampled Annually-----						
	11/17/95	-----Well Sampled Annually-----						
MW-7	08/06/92	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A
	10/29/92	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	08/16/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	11/17/93	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	02/22/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	05/11/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	08/12/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	11/17/94	<50	<0.5	<0.5	<0.5	<0.5	N/A	N/A
	02/22/95	-----Well Sampled Annually-----						
	05/24/95	<50	<0.50	<0.50	<0.50	<0.50	N/A	N/A
	08/23/95	-----Well Sampled Annually-----						
	11/17/95	-----Well Sampled Annually-----						
RW-1	08/16/93	NS	NS	NS	NS	NS	NS	NS
	11/17/93	NS	NS	NS	NS	NS	NS	NS
	02/22/94	280	2,100	19	40	66	N/A	N/A
	05/11/94	3,300	32	28	87	310	N/A	N/A
	08/12/94	4,600	42	59	190	400	N/A	N/A
	11/17/94	1,400	56	21	28	210	N/A	N/A
	02/22/95	8,100	140	<10	550	560	N/A	N/A
	05/24/95	940	53	0.75	11	1.4	N/A	N/A
	08/23/95	620	2.1	2.3	0.67	0.67	N/A	N/A
	11/17/95	1,100	7.6	21	46	180	N/A	N/A

ppb = Parts per billion
 ppm = Parts per million
 N/A = Not applicable
 NS = Not sampled

Table 4
Groundwater Analytical Data
Total Methl t-Butyl Ether

ARCO Service Station 4494
566 Hegenberger Road at Edes Avenue
Oakland, California

Well Number	Date Sampled	Methyl t-Butyl Ether (ppb)
MW-1	08/23/95	NS
MW-2	08/23/95	NS
MW-3	08/23/95	NS
MW-4	08/23/95	NS
MW-5	08/23/95	NS
MW-6	08/23/95	NS
MW-7	08/23/95	NS
RW-1	08/23/95	13

ppb = Parts per billion
NS = Not sampled
See certified analytical report for detection limit.

ATTACHMENT D

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

Error Summary Log

07/15/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #4494, Oakland, CA
Work Order Number:	MMF0710
Global ID:	T0600100104
Lab Report Number:	MMF0710071120031446

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMF07100711200	MW-1 31446	MMF071001	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
MMF07100711200	MW-3 31446	MMF071002	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
MMF07100711200	MW-4 31446	MMF071003	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
MMF07100711200	MW-5 31446	MMF071004	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
MMF07100711200	MW-6 31446	MMF071005	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
MMF07100711200	MW-7 31446	MMF071006	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
MMF07100711200	RW-1 31446	MMF071007	W	CS	8260+OX	SW5030B	06/23/03	07/02/03	07/02/03	3G02002	1	
		3G02002BS1	WQ	BS1	8260+OX	SW5030B	//	07/02/03	07/02/03	3G02002	1	
		3G02002BS2	WQ	BS2	8260+OX	SW5030B	//	07/02/03	07/02/03	3G02002	1	
		3G02002BLK1	WQ	LB1	8260+OX	SW5030B	//	07/02/03	07/02/03	3G02002	1	
		3G02002MS1	W	MS1	8260+OX	SW5030B	//	07/02/03	07/02/03	3G02002	1	
		3G02002MSD1	W	SD1	8260+OX	SW5030B	//	07/02/03	07/02/03	3G02002	1	

EDFSAMP: Error Summary Log

07/15/03

Error type	Logcode	Projname	Npdwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

07/15/03

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

EDFRES: Error Summary Log

07/15/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3G02002MS1	MS1	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	3G02002MSD1	SD1	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071001	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071001	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	MMF071002	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071002	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	MMF071003	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071003	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	MMF071004	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071004	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	MMF071005	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071005	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	MMF071006	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071006	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	MMF071007	CS	W	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	MMF071007	CS	W	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	3G02002BLK1	LB1	WQ	8260+OX	PR	07/02/03	1	GROC6C10
Warning: extra parameter	3G02002BLK1	LB1	WQ	8260+OX	PR	07/02/03	1	XYLENES
Warning: extra parameter	3G02002BS2	BS2	WQ	8260+OX	PR	07/02/03	1	GROC6C10

EDFQC: Error Summary Log

07/15/03

Error type	Lablotcl	Anmcode	Parlabel	Qccode	Labqid
There are no errors in this data files					

EDFCL: Error Summary Log

07/15/03

Error type	Clevdate	Anmcode	Exmcode	Parlabel	Cicode
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: 3018489420

Date/Time of Submittal: 7/15/2003 9:47:18 AM

Facility Global ID: T0600100104

Facility Name: ARCO # 04494

Submittal Title: 2nd 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: 2nd Qtr 2003 Geowell for #4494

Submittal Date/Time: 7/15/2003 9:49:47 AM

Confirmation Number: 4363255143

[Back to Main Menu](#)

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).