

20-494



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
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Alameda County
JUL 23 2003 June 30, 2003
Environmental Health

Re: Second Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #2111
1156 Davis Street
San Leandro, 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



June 30, 2003

Alameda County
JUL 23 2003
Environmental Health

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

**Re: Second Quarter 2003 Groundwater Monitoring Report
ARCO Service Station # 2111
1156 Davis Street
San Leandro, California
URS Project #38486093**

Dear Ms. Chu:

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 #2111, located at 1156 Davis Street, San Leandro, California.

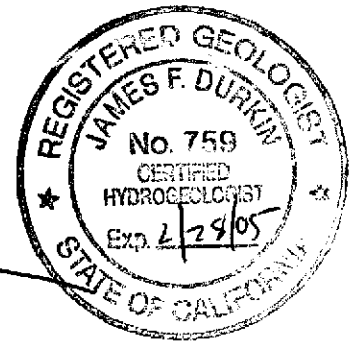
If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James F. Durkin, C. Hg.
Senior Geologist



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 #2111
1156 DAVIS STREET
SAN LEANDRO, CALIFORNIA**

Prepared for
Atlantic Richfield Company

June 30, 2003

URS

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

38486093

Date: May 30, 2003
Quarter: 2Q 03

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 2111 Address: 1156 Davis Street, San Leandro, California
Atlantic Richfield Co. Environmental Engineer: Paul Supple
Consulting Co./Contact Person: URS Corporation / Scott Robinson
Consultant Project No.: 38486093
Primary Agency: Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter groundwater monitoring event on April 7, 2003.
2. Prepared and submitted first quarter 2003 groundwater monitoring report.
3. Prepared and submitted second quarter 2003 groundwater monitoring report.
4. Well MW-2 checked monthly for free product.
5. Remedial Action Plan (RAP) submitted on June 19, 2003
6. Oxygen releasing socks (ORC) removed from MW-1 and MW-5 with implementation of the RAP

WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare and submit third quarter 2003 groundwater monitoring report.
3. Check MW-2 monthly for free product.
4. Prepare RAP addendum on plume delineation by hydropunch.

Current Phase of Project:	<u>GW monitoring/sampling</u>
Frequency of Groundwater Sampling:	<u>Quarterly: Wells MW-1 through MW-7</u>
Frequency of Groundwater Monitoring:	<u>Quarterly</u>
Is Free Product (FP) Present On-Site:	<u>FP in MW-2 (see Table 3)</u>
FP recovered this quarter:	<u>0.015 gallons</u>
Cumulative FP Recovered from 6/28/99 to 6/24/03 :	<u>0.528 gallons</u>
Current Remediation Techniques:	<u>Bailing free product as needed</u>
Approximate Depth to Groundwater:	<u>13.61 (MW-6) to 16.61 (MW-1) feet</u>
Groundwater Gradient (direction):	<u>West – Northwest</u>
Groundwater Gradient (magnitude):	<u>0.011 – 0.009 feet per foot</u>

DISCUSSION:

TPH-g was detected in two of the six wells sampled this quarter at concentrations of 65 µg/L (MW-4) to 88 µg/L (MW-3). Benzene was detected in one well at a concentration of 30 µg/L (MW-7). MTBE was detected in five wells at concentrations ranging from 22 µg/L (MW-1) to 3,700 µg/L (MW-5). Tert-Amyl methyl ether was detected in two wells at concentrations of 6.5 µg/L (MW-3) to 7.3 µg/L (MW-4). FP was bailed from MW-2 during the groundwater sampling event in April. During the site visit in May, no FP was detected. However, FP was bailed during the site visit in June.

RECOMMENDATIONS:

We recommend reducing the sampling frequency of well MW-6 from quarterly to annually. This well is cross gradient and up-gradient with no detection of the constituents of concern. This well would continue to be gauged quarterly for groundwater elevation.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenates Analytical Data
- Table 4 – Approximate Cumulative Floating Product Recovered (1999 – Present)
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – April 7, 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 and EDF/Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Top of Riser Elevation (feet, MSL)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH				Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen (mg/L)
					as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)						
MW-1	06/26/00	39.60	16.46	23.14	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00		16.89	22.71	360	110	<0.5	<0.5	2.7	2,100	NA	NA	NA
	09/19/00		17.62	21.98	290	76	<0.5	<0.5	2.3	1,500	NA	NA	NA
	12/21/00		17.39	22.21	257	64	2.89	1.31	4.57	1,080	1,060	NA	NA
	03/13/01		15.7	23.90	<500	52.5	<5.0	<5.0	<5.0	1,430	1,370	NA	NA
	09/18/01		18.24	21.36	<500	64	7.3	<5.0	52	810	1,100	NA	NA
	12/28/01		15.95	23.65	<500	<5.0	<5.0	5.00	22	1,200	1,100	NA	NA
	03/14/02		16.01	23.59	<50	<0.5	<0.5	<0.5	<0.5	34	40	NA	NA
	04/23/02		15.43	24.17	<50	<0.5	<0.5	<0.5	<0.5	30	NA	NA	NA
	07/17/02	NP		17.50	22.10	<50	1.2	<0.50	<0.50	<0.50	29	NA	1.6
	10/09/02			18.27	21.33	240 ^c	4.9	<1.0	4.1	7.0	290	310	1.2
	01/13/03			15.37	24.23	760 ^c	34	11	17	56	300	NA	1.0
04/07/03 ^a			16.61	22.99	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	22	1.5	
MW-2	06/26/00	37.99	14.60	23.39 ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00		15.14	22.85	95,000	2,300	18,000	2,500	19,000	13,000	NA	NA	NA
	09/19/00		15.95	22.04	63,000	1,200	6,300	2,000	14,000	19,000	NA	NA	NA
	12/21/00		15.60	22.39	45,900		2,130	1,160	9,460	22,400	24,700	NA	NA
	12/21/00 ^b		NM	NC	5,010	360	189	213	626	54,300	89,200	NA	NA
	03/13/01		13.77	23.9	3,650	98.1	<5.0	<5.0	6.42	3,590	3,260	NA	NA
	3/13/2001 ^b		NM	NC	<20,000	525	466	408	1,460	91,700	76,000	NA	NA
	9/18/2001 ^a			16.86	21.13	NS	NS	NS	NS	NS	NS	NS	NA
	12/28/01			14.28	23.71	31,000	1,500	3,800	1,300	4,800	9,300	8,800	NA
	03/14/02			14.15	23.84	1,800	25	43	43	270	990	960	NA
	04/23/02			13.60	24.39	9,000	220	110	470	2,500	8,500	NA	NA
	07/17/02	NP	SHEEN	15.75	22.24	74,000 ^c	280	290	820	10,000	19,000	NA	0.4
	10/9/02 ^g	NP		16.69	21.30	NS	NS	NS	NS	NS	NS	NS	NA
01/13/03 ^g		FREE PRODUCT	13.59	24.61 ^h	NS	NS	NS	NS	NS	NS	NA	NA	
04/07/03 ^g		FREE PRODUCT	14.70	23.69 ^h	NS	NS	NS	NS	NS	NA	NS	NA	

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ARCO Service Station # 2111
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San Leandro, California

Well Number	Date Sampled	Top of Riser Elevation (feet, MSL)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH				Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen (mg/L)	
					as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)							
MW-3	06/26/00	39.32	15.96	23.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	07/20/00		16.42	22.90	<50	<0.5	<0.5	<0.5	<1.0	130	NA	NA	NA	
	09/19/00		17.18	22.14	190	17	<0.5	1.4	2.4	160	NA	NA	NA	
	12/21/00		16.97	22.35	187	17.8	<0.5	2.47	2.5	143	125	NA	NA	
	03/13/01		15.17	24.15	72.4	2.83	<0.5	<0.5	<0.5	126	122	NA	NA	
	09/18/01		17.81	21.51	140	6.4	<0.5	3.5	1.6	110	75	NA	NA	
	12/28/01		15.44	23.88	130	5.9	<0.5	0.99	0.55	90	63	NA	NA	
	03/14/02		15.50	23.82	<50	<0.5	<0.5	<0.5	<0.5	100	88	NA	NA	
	04/23/02		14.96	24.36	<50	<0.5	<0.5	<0.5	<0.5	77	NA	NA	NA	
	07/17/02		NP	17.09	22.23	<50	<0.50	<0.50	<0.50	<0.50	47	NA	0.8	0.8
	10/09/02		NP	17.87	21.45	<50	<0.50	<0.50	<0.50	<0.50	26	29	1.3	1.3
	01/13/03		NP	14.78	24.54	ND<50	ND<0.50	ND<0.50 ¹	ND<0.50	ND<0.50	59 ^m	NA	0.8	0.8
	04/07/03 ⁿ		NP	16.15	23.17	88	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	75	1.1	1.1
	MW-4		06/26/00	38.10	14.59	23.51	NA	NA	NA	NA	NA	NA	NA	NA
07/20/00		15.04	23.06		97	7.9	<0.5	<0.5	1.1	51	NA	NA	NA	
09/19/00		15.83	22.27		110	7.0	<0.5	<0.5	<1.0	60	NA	NA	NA	
12/21/00		15.59	22.51		120	5.6	<0.5	1.72	<0.5	46.3	48.6	NA	NA	
03/13/01		13.73	24.37		76	0.796	<0.5	<0.5	<0.5	53.7	50.0	NA	NA	
09/18/01		16.50	21.60		<50	<0.5	<0.5	<0.5	<0.5	25	26.0	NA	NA	
12/28/01		14.03	24.07		<50	<0.5	<0.5	<0.5	<0.5	15	11.0	NA	NA	
03/14/02		14.10	24.00		<50	<0.5	<0.5	<0.5	<0.5	31	28	NA	NA	
04/23/02		13.57	24.53		<50	3	<0.5	<0.5	<0.5	42	NA	NA	NA	
07/17/02		NP	15.76		22.34	<50	<0.50	<0.50	<0.50	<0.50	16	NA	1.2	1.2
10/09/02		NP	16.59		21.51	<50	2.2	<0.50	<0.50	<0.50	20	23	0.8	0.8
01/13/03		NP	13.43		24.67	52 ^d	ND<0.50	1.6	ND<0.50	ND<0.50	22	NA	0.6	0.6
04/07/03 ⁿ		NP	14.74		23.36	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	24	0.7	0.7

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San Leandro, California

Well Number	Date Sampled	Top of Riser Elevation (feet, MSL)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH				Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen (mg/L)
					as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)						
MW-5	06/26/00	37.21	14.27	22.94	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00		14.69	22.52	55	<0.5	<0.5	<0.5	<1.0	14,000	NA	NA	
	09/19/00		15.36	21.85	54	<0.5	<0.5	<0.5	<1.0	13,000	NA	NA	
	12/21/00		15.15	22.06	72.9	2.51	<0.5	<0.5	0.961	19,200	21,200	NA	
	03/13/01		13.5	23.71	<500	<5	<5	<5	<5	15,900	20,000	NA	
	09/18/01		15.94	21.27	<10,000	<100	<100	<100	<1,000	22,000	20,000	NA	
	12/28/01		13.45	23.76	<10,000	<100	<100	<100	<100	10,000	10,000	NA	
	03/14/02		13.82	23.39	<5,000	<50	<50	<50	<50	7,100	7,700	NA	
	04/23/02		13.25	23.96	<5,000	<50	<50	<50	<50	8,900	NA	NA	
	07/17/02		NP	15.27	21.94	7,900 ^d	<50	<50	<50	<50	13,000	NA	1.1
	10/09/02		NP	16.02	21.19	2,400 ^e	<20	<20	<20	<20	7,300	7,500	1.2
	01/13/03		NP	13.20	24.01	6,400 ^e	ND<50 ^j	ND<50	ND<50	ND<50 ^j	8,900 ^k	NA	1.3
	04/07/03 ⁿ		NP	14.42	22.79	ND<10,000	ND<100	ND<100	ND<100	ND<100	NA	3,700	0.9
MW-6	06/26/00	37.11	13.46	23.65	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00		13.94	23.17	<50	<0.5	<0.5	<0.5	<1.0	<3.0	NA	NA	
	09/19/00		14.41	22.70	<50	<0.5	<0.5	<0.5	<1.0	<3.0	NA	NA	
	12/21/00		14.53	22.58	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	
	03/13/01		12.67	24.44	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	
	09/18/01		15.42	21.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.0	NA	
	12/28/01		12.96	24.15	<50	<0.5	<0.5	<0.5	<0.5	12	<0.5	NA	
	03/14/02		12.98	24.13	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	
	04/23/02		12.44	24.67	<50	<0.5	<0.5	<0.5	<0.5	3	NA	NA	
	07/17/02		NP	14.65	22.46	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.3
	10/09/02		NP	15.51	21.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.3
	01/13/03		NP	12.27	24.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NA	1.1
	04/07/03 ⁿ		NP	13.61	23.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	ND<0.50	2.0

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Top of Riser Elevation (feet, MSL)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH				Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen (mg/L)
					as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)				
MW-7	06/26/00	38.68	14.34	24.34	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00		15.26	23.42	14,000	5.4	<0.5	2.8	5.9	71,000	NA	NA
	09/19/00		15.70	22.98	8,400	420	38	470	220	5,600	NA	NA
	12/21/00		16.02	22.66	NS ^a	NS ^a	NS ^a	NS ^a	NS ^a	NS ^a	NS ^a	NA
	03/13/01		14.18	24.50	<2,000	154	63	46.3	127	175,000	160,000	NA
	09/18/01		17.02	21.66	<100,000	1,900	<1,000	<1,000	2,800	190,000	370,000	NA
	12/28/01		14.81	23.87	<20,000	<200	<200	<200	<200	84,000	72,000	NA
	03/14/02		14.60	24.08	<50,000	<500	<500	<500	<500	85,000	85,000	NA
	04/23/02		13.94	24.74	<20,000	530	200	220	800	67,000	NA	NA
	07/17/02	NP	16.27	22.41	26,000 ^d	720	<250	<250	860	120,000	NA	1.0
	10/09/02	NP	17.16	21.52	110,000 ^d	1,500	4,400	820	5,400	97,000	120,000	0.9
	01/13/03	NP	13.82	24.86	ND<50,000 ^f	ND<500 ^f	ND<500 ^f	ND<500 ^f	2,200 ^f	33,000 ^f	NA	0.8
	04/07/03 ⁿ	NP	14.52	24.16	ND<2,500	30	ND<25	ND<25	ND<25	NA	710	1.0

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 2111
1156 Davis Street
San Leandro, California

Notes:

- TPH = Total Petroleum Hydrocarbons analyzed by EPA method 8260B. (Prior to 04/07/03, analyzed by EPA method 8015 modified.)
- BTEX = Benzene, Toluene, Ethyl-benzene, and Total Xylenes analyzed by EPA method 8260B. (Prior to 04/07/03, analyzed by EPA method 8021B.)
- MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8260B. (Prior to 04/07/03, analyzed by EPA method 8021B unless otherwise noted.)
- µg/L = Micrograms per liter
- mg/L = Milligrams per liter
- NA = Not available
- NM = Not measured
- NC = Not calculated
- NP = Well not purged before sampling
- MSL = Mean sea level
- TOC = Top of casing
- ND< = Not detected at or above specified laboratory method detection limit
- a = Product sheen noted
- b = Well was sampled after batch extraction event.
- c = Chromatogram Pattern: Gasoline C6-C10
- d = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel
- e = Discrete peak @C6-C7
- f = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
- g = Well not sampled due to the detection of free product.
- h = Groundwater elevation adjusted for free product: (thickness of free product x 0.8) + measured groundwater elevation
- j = The closing calibration was outside acceptance limits by 1%. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.
- k = The closing calibration was outside acceptance limits by 6%. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.
- l = This analyze was not confirmed using a secondary column in accordance to client contract.
- m = This analyze was not confirmed using a secondary column in accordance to client contract.
- n = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on the second quarter 2003 sampling event (04/07/03).
- Source : The data within this table collected prior to July 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 # 2111
1156 Davis Street
San Leandro, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
07/20/00	West-Northwest	0.006
09/19/00	West-Northwest	0.004
12/21/00	West-Northwest	0.004
03/13/01	West-Northwest	0.005
05/30/01	West-Northwest	0.004
09/18/01	West-Northwest	0.003
12/28/01	West-Northwest	0.003
03/14/02	West	0.004
04/23/02	West	0.006
07/17/02	West	0.003
10/09/02	West	0.002
01/13/03	Southwest	0.004
04/07/03	West-Northwest	0.009-0.011

Note: The data within this table collected prior to July 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
Oxygenate Analytical Data**

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1	04/07/03	ND<100	ND<20	22	ND<0.50	ND<0.50	ND<0.50
MW-3	04/07/03	ND<100	ND<20	75	ND<0.50	ND<0.50	6.5
MW-4	04/07/03	ND<100	ND<20	24	ND<0.50	ND<0.50	7.3
MW-5	04/07/03	ND<20,000	ND<4,000	3,700	ND<100	ND<100	ND<100
MW-6	04/07/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7	04/07/03	ND<5,000	ND<1,000	710	ND<25	ND<25	ND<25

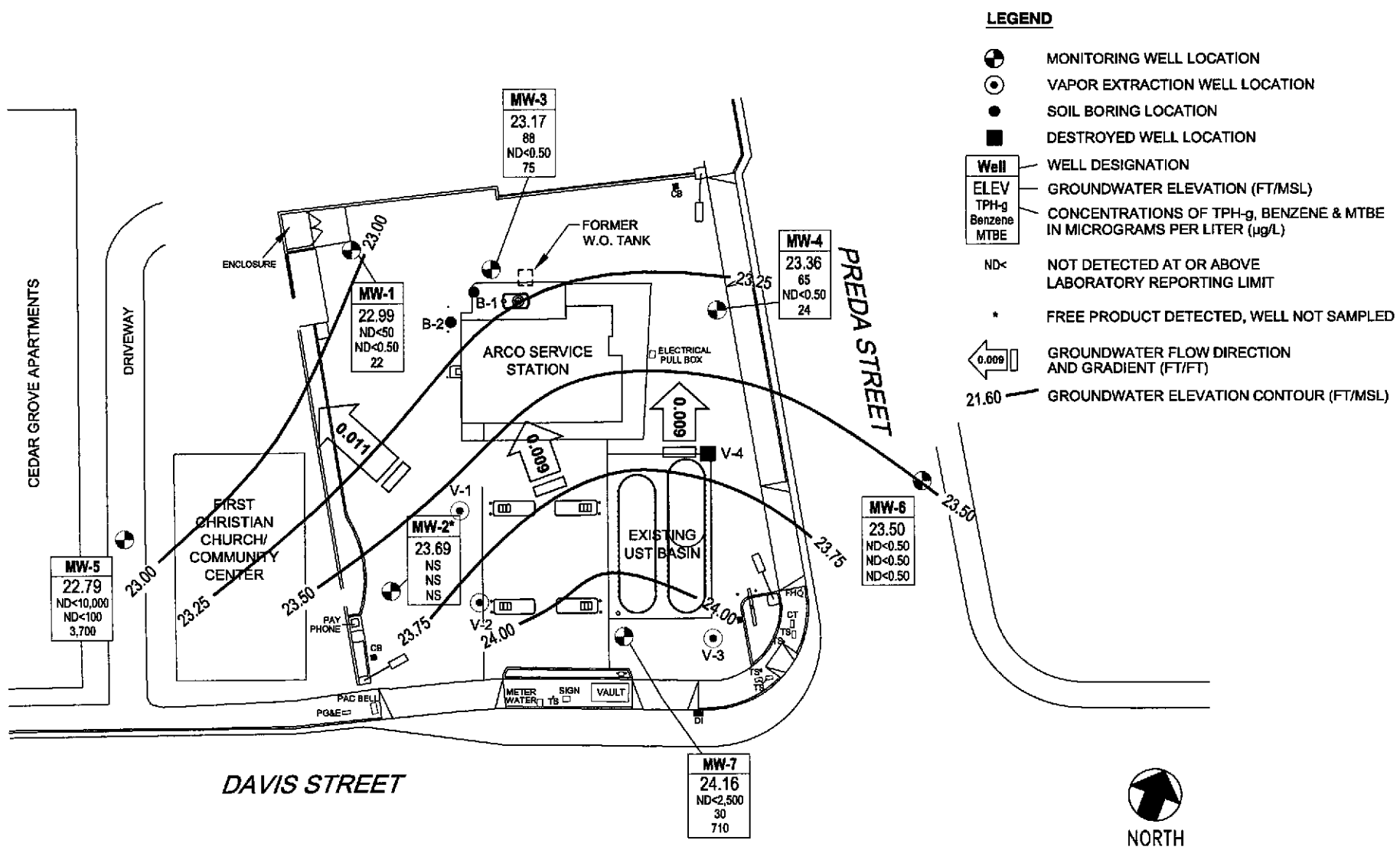
Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
ND< = Less than laboratory reporting limit
NA = Data not available, not analyzed, or not applicable
NS = Not Sampled

Table 4
Approximate Cumulative Floating Product Recovered
1999 - present

ARCO Service Station 2153
2800 Homestead Road, Santa Clara, California

Well Designation	Product Recovery Field Date	Floating Product Thickness (feet)	Floating Product Recovered (gallons)
MW-2	06/28/99	0.45	0.300
MW-2	06/30/99	0.015	0.010
MW-2	07/07/99	0.06	0.040
MW-2	07/23/99	0.008	0.005
MW-2	08/25/99	0.02	0.013
MW-2	09/21/99	0.01	0.013
MW-2	11/10/99	ND	0.000
MW-2	02/09/00	ND	0.000
MW-2	04/23/02	ND	0.000
MW-2	07/17/02	Sheen	0.000
MW-2	10/9/2002*	NA	0.000
MW-2	01/13/03	0.26	0.132
MW-2	02/14/03	ND	0.000
MW-2	03/24/03	ND	0.000
MW-2	04/07/03	0.05	0.003
MW-2	05/23/03	ND	0.000
MW-2	06/24/03	0.03	0.012
Approximate Cumulative Floating Product:			0.528

* = Free product encountered, but unable to gauge.



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

URS	Project No. 38486093	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP	FIGURE 1
	Arco Service Station #2111 1156 Davis Street San Leandro, California		

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.

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030407 - A12</u>	Station # <u>Arco 2111</u>
Sampler: <u>Ac</u>	Date: <u>4-7-03</u>
Well I.D.: <u>mw-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>26.22</u>	Depth to Water: <u>16.61</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: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> X-Disposable Bailer Extraction Port Other: _____
---	--

Top of Screen: 12.5' 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>NO Purge</u>	x	<u>3</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1315	66.1	6.8	777	—	clear

Did well dewater? Yes <u>(No)</u>	Gallons actually evacuated: <u>—</u>
Sampling Time: <u>1315</u>	Sampling Date: <u>4-7-03</u>
Sample I.D.: <u>mw-1</u>	Laboratory: Pace <u>(Sequoia)</u> Other _____
Analyzed for: <u>(TPH-C)</u> <u>(STEX)</u> MTBE TPH-D Other: <u>Oxy's (5), Ethanol by 8260</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L
	Post-purge: <u>(1.5)</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV
	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030407 - AL2</u>	Station # <u>Arco 2111</u>
Sampler: <u>Ac</u>	Date: <u>4-7-03</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>26.69</u>	Depth to Water: <u>14.70</u>
Depth to Free Product: <u>14.65</u>	Thickness of Free Product (feet): <u>.05</u>
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~~
~~Disposable Bailer~~
~~Middleburg~~
~~Electric Submersible Extraction Pump~~
 Other: _____

Sampling Method: Bailer
X-Disposable Bailer
Extraction Port
 Other: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
					<u>Free product detected</u>
					<u>Bailed and left in drum onsite</u>
					<u>Bailed 5 gal of water w/ .05 ft of SPH</u>

Did well dewater? Yes No

Gallons actually evacuated: _____

Sampling Time: _____ Sampling Date: 4-7-03

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's (S), Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030407 - A12	Station # Arco 2111
Sampler: Ac	Date: 4-7-03
Well I.D.: mw-3	Well Diameter: 2 3 4 6 8 _____
Total Well Depth: 26.65	Depth to Water: 16.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: ~~Bailer~~
~~Disposable Bailer~~
~~Middleburg~~
~~Electric Submersible Extraction Pump~~
 Other: _____

Sampling Method: **Bailer**
~~Disposable Bailer~~
 Extraction Port
 Other: _____

Top of Screen: **11.9'** If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

No Purge	X	3	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1305	66.4	7.0	712	-	clear

Did well dewater? Yes **No** Gallons actually evacuated: **-**

Sampling Time: **1305** Sampling Date: **4-7-03**

Sample I.D.: **mw-3** Laboratory: Pace **Sequon** Other _____

Analyzed for: **TPH-C** **BTEX** MTBE TPH-D Other: **Oxy's (5), 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>030407 - A12</u>	Station # <u>Arco 2111</u>
Sampler: <u>Ac</u>	Date: <u>4-7-03</u>
Well I.D.: <u>mw-4</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>21.63</u>	Depth to Water: <u>14.74</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
 Disposable Bailer
 Midleburg
 Electric/Submersible
 Extraction Pump
 Other: _____

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

Top of Screen: 10' 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>NO Purge</u>	x	<u>3</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1325	66.6	6.6	775	-	clear

Did well dewater? Yes No Gallons actually evacuated: -

Sampling Time: 1325 Sampling Date: 4-7-03

Sample I.D.: mw-4 Laboratory: Pace Sequon Other _____

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Oxy's (5), Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030407 - A12</u>	Station # <u>Arco 2111</u>
Sampler: <u>Ac</u>	Date: <u>4-7-03</u>
Well I.D.: <u>mw-5</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>23.85</u>	Depth to Water: <u>14.42</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 Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> X Disposable Bailer Extraction Port Other: _____
---	---

Top of Screen: 9.4' 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>No Purge</u>	X	<u>3</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1400</u>	<u>68.9</u>	<u>6.8</u>	<u>673</u>	<u>-</u>	<u>Clear</u>

Did well dewater? Yes <u>(No)</u>	Gallons actually evacuated: <u>-</u>
Sampling Time: <u>1400</u>	Sampling Date: <u>4-7-03</u>
Sample I.D.: <u>mw-5</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>TPH-C</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's (5), Ethanol by 8260</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L
	Post-purge: <u>0.9</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV
	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030407 - AC2</u>	Station # <u>Arco 2111</u>
Sampler: <u>Ac</u>	Date: <u>4-7-03</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>24.82</u>	Depth to Water: <u>13.61</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(VSI)</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~~ ~~Disposable Bailer~~ ~~Middleburg~~ ~~Electric Submersible Extraction Pump~~ Other: _____

Sampling Method: Bailer ~~Disposable Bailer~~ ~~Extraction Port~~ Other: _____

Top of Screen: 10' 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>No Purge</u>	X	<u>3</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1340	67.7	6.6	815	-	clear

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

Sampling Time: 1340 Sampling Date: 4-7-03

Sample I.D.: MW-6 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-C) (TEX) MTBE TPH-D Other: Oxy's (5), Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030407 - A12</u>	Station # <u>Arco 2111</u>
Sampler: <u>Ac</u>	Date: <u>4-7-03</u>
Well I.D.: <u>mw - 7</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>27.18</u>	Depth to Water: <u>14.52</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>(PVC)</u> <u> </u> Grade	D.O. Meter (if req'd): <u>(VSI)</u> <u> </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~~
~~Disposable Bailer~~
~~Middleburg~~
~~Electric Submersible Extraction Pump~~
 Other:

Sampling Method: Bailer
~~Disposable Bailer~~
Extraction Port
 Other:

Top of Screen: 12' 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>No Purge</u>	x	<u>3</u>	=	<u> </u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1425</u>	<u>67.8</u>	<u>7.0</u>	<u>474</u>	<u>-</u>	<u>clear, odor</u>

Did well dewater? Yes No Gallons actually evacuated: -

Sampling Time: 1425 Sampling Date: 4-7-03

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

Analyzed for: (TPH-C) (STEX) MTBE TPH-D Other: Oxy's (5), Ethanol by 8260

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

<i>Arco 2111</i>		
Station #		
<i>1156 Davis St. San Leandro</i>		
Station Address		
Total Gallons Collected From Groundwater Monitoring Wells:		
<i>10</i>		
added equip. rinse water	<i>10</i>	any other adjustments
TOTAL GALS. RECOVERED	<i>20</i>	loaded onto BTS vehicle # <i>11</i>
BTS event #	<i>030407-ACZ</i>	time date <i>1536 4/7/03</i>
signature	<i>[Signature]</i>	

REC'D AT	time	date
_____	_____	____/____/____
unloaded by signature	_____	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030624-MW-2	Station # MW 2111
Sampler: MM	Date:
Well I.D.: MW-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 26.68	Depth to Water: 15.13
Depth to Free Product: 15.10	Thickness of Free Product (feet): .03
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 Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> 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.

_____	x	<u>SPT</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					Bailed SPT from well
1250	46 ml				bailed from well

Did well dewater? <u>Yes</u> No	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: <u>6/24/03</u>
Sample I.D.: <u>MW-2</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____	
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

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



23 April, 2003

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

RE: ARCO #2111, San Leandro, Ca
Sequoia Work Order: MMD0323

Enclosed are the results of analyses for samples received by the laboratory on 04/08/03 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt
Project Manager

CA ELAP Certificate #1210



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

Project: ARCO #2111, San Leandro, Ca
Project Number: Intrim- 50277
Project Manager: Scott Robinson

MMD0323
Reported:
04/23/03 13:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MMD0323-01	Water	04/07/03 13:15	04/08/03 16:40
MW-3	MMD0323-02	Water	04/07/03 13:05	04/08/03 16:40
MW-4	MMD0323-03	Water	04/07/03 13:25	04/08/03 16:40
MW-6	MMD0323-04	Water	04/07/03 13:40	04/08/03 16:40
MW-7	MMD0323-05	Water	04/07/03 14:25	04/08/03 16:40
MW-5	MMD0323-06	Water	04/07/03 14:00	04/08/03 16:40

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

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

 Project: ARCO #2111, San Leandro, Ca
 Project Number: Intrim- 50277
 Project Manager: Scott Robinson

 MMD0323
Reported:
 04/23/03 13:52

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MMD0323-01) Water Sampled: 04/07/03 13:15 Received: 04/08/03 16:40									
Ethanol	ND	100	ug/l	1	3D19016	04/19/03	04/20/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	22	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>101 %</i>	<i>78-129</i>		"	"	"	"	
MW-3 (MMD0323-02) Water Sampled: 04/07/03 13:05 Received: 04/08/03 16:40									
Ethanol	ND	100	ug/l	1	3D18040	04/18/03	04/19/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	75	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	6.5	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	88	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>101 %</i>	<i>78-129</i>		"	"	"	"	

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

Project: ARCO #2111, San Leandro, Ca
Project Number: Intrim- 50277
Project Manager: Scott Robinson

MMD0323
Reported:
04/23/03 13:52

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MMD0323-03) Water Sampled: 04/07/03 13:25 Received: 04/08/03 16:40									
Ethanol	ND	100	ug/l	1	3D18040	04/18/03	04/19/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	"
Methyl tert-butyl ether	24	0.50	"	"	"	"	"	"	"
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	"
tert-Amyl methyl ether	7.3	0.50	"	"	"	"	"	"	"
Benzene	ND	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	ND	0.50	"	"	"	"	"	"	"
Gasoline Range Organics (C6-C10)	65	50	"	"	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4 102 % 78-129 " " " "

MW-6 (MMD0323-04) Water Sampled: 04/07/03 13:40 Received: 04/08/03 16:40

Ethanol	ND	100	ug/l	1	3D18040	04/18/03	04/19/03	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	"	"	"	"	"	"	"
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 105 % 78-129 " " " "

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

Project: ARCO #2111, San Leandro, Ca
Project Number: Intrim- 50277
Project Manager: Scott Robinson

MMD0323
Reported:
04/23/03 13:52

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MMD0323-05) Water Sampled: 04/07/03 14:25 Received: 04/08/03 16:40									
Ethanol	ND	5000	ug/l	50	3D19016	04/19/03	04/20/03	EPA 8260B	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	710	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
Benzene	30	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	2500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	78-129		"	"	"	"	
MW-5 (MMD0323-06) Water Sampled: 04/07/03 14:00 Received: 04/08/03 16:40									
Ethanol	ND	20000	ug/l	200	3D18040	04/18/03	04/19/03	EPA 8260B	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Methyl tert-butyl ether	3700	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	100	"	"	"	"	"	"	
Benzene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
Xylenes (total)	ND	100	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	10000	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	78-129		"	"	"	"	



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

Project: ARCO #2111, San Leandro, Ca
Project Number: Intrim- 50277
Project Manager: Scott Robinson

MMD0323
Reported:
04/23/03 13:52

**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
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Batch 3D18040 - EPA 5030B P/T

Blank (3D18040-BLK1)

Prepared & Analyzed: 04/18/03

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	"							

Surrogate: 1,2-Dichloroethane-d4 5.06 " 5.00 101 78-129

Laboratory Control Sample (3D18040-BS1)

Prepared & Analyzed: 04/18/03

Methyl tert-butyl ether	9.59	0.50	ug/l	10.0		95.9	63-137
Benzene	10.2	0.50	"	10.0		102	78-124
Toluene	10.7	0.50	"	10.0		107	78-129

Surrogate: 1,2-Dichloroethane-d4 5.09 " 5.00 102 78-129

Laboratory Control Sample (3D18040-BS2)

Prepared & Analyzed: 04/18/03

Methyl tert-butyl ether	8.22	0.50	ug/l	9.04		90.9	63-137
Benzene	5.24	0.50	"	5.44		96.3	78-124
Toluene	33.0	0.50	"	32.8		101	78-129
Gasoline Range Organics (C6-C10)	388	50	"	440		88.2	70-113

Surrogate: 1,2-Dichloroethane-d4 4.97 " 5.00 99.4 78-129



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

Project: ARCO #2111, San Leandro, Ca
Project Number: Intrim- 50277
Project Manager: Scott Robinson

MMD0323
Reported:
04/23/03 13:52

**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
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Batch 3D18040 - EPA 5030B P/T

Matrix Spike (3D18040-MS1)

Source:

Prepared: 04/18/03 Analyzed: 04/19/03

Methyl tert-butyl ether	104	5.0	ug/l	90.4	21	91.8	63-137			
Benzene	52.9	5.0	"	54.4	ND	97.2	78-124			
Toluene	340	5.0	"	328	ND	104	78-129			
Gasoline Range Organics (C6-C10)	3890	500	"	4400	ND	88.4	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.09</i>		<i>"</i>	<i>5.00</i>		<i>102</i>	<i>78-129</i>			

Matrix Spike Dup (3D18040-MSD1)

Source:

Prepared: 04/18/03 Analyzed: 04/19/03

Methyl tert-butyl ether	104	5.0	ug/l	90.4	21	91.8	63-137	0.00	13	
Benzene	54.7	5.0	"	54.4	ND	101	78-124	3.35	12	
Toluene	348	5.0	"	328	ND	106	78-129	2.33	10	
Gasoline Range Organics (C6-C10)	4090	500	"	4400	ND	93.0	70-113	5.01	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.14</i>		<i>"</i>	<i>5.00</i>		<i>103</i>	<i>78-129</i>			

Batch 3D19016 - EPA 5030B P/T

Blank (3D19016-BLK1)

Prepared & Analyzed: 04/19/03

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>	<i>4.99</i>		<i>"</i>	<i>5.00</i>		<i>99.8</i>	<i>78-129</i>			

Sequoia Analytical - Morgan Hill

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

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

 Project: ARCO #2111, San Leandro, Ca
 Project Number: Intrim- 50277
 Project Manager: Scott Robinson

 MMD0323
 Reported:
 04/23/03 13:52

**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
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Batch 3D19016 - EPA 5030B P/T
Laboratory Control Sample (3D19016-BS1)

Prepared & Analyzed: 04/19/03

Methyl tert-butyl ether	9.51	0.50	ug/l	10.0		95.1	63-137			
Benzene	9.72	0.50	"	10.0		97.2	78-124			
Toluene	10.3	0.50	"	10.0		103	78-129			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.18		"	5.00		104	78-129			
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Laboratory Control Sample (3D19016-BS2)

Prepared & Analyzed: 04/19/03

Methyl tert-butyl ether	8.49	0.50	ug/l	9.04		93.9	63-137			
Benzene	5.43	0.50	"	5.44		99.8	78-124			
Toluene	34.5	0.50	"	32.8		105	78-129			
Gasoline Range Organics (C6-C10)	386	50	"	440		87.7	70-113			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.18		"	5.00		104	78-129			
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Matrix Spike (3D19016-MS1)

Source: MMD0323-05

Prepared & Analyzed: 04/19/03

Methyl tert-butyl ether	1100	25	ug/l	452	710	86.3	63-137			
Benzene	308	25	"	272	30	102	78-124			
Toluene	1760	25	"	1640	ND	107	78-129			
Gasoline Range Organics (C6-C10)	20900	2500	"	22000	770	91.5	70-113			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.10		"	5.00		102	78-129			
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Matrix Spike Dup (3D19016-MSD1)

Source: MMD0323-05

Prepared & Analyzed: 04/19/03

Methyl tert-butyl ether	1010	25	ug/l	452	710	66.4	63-137	8.53	13	
Benzene	276	25	"	272	30	90.4	78-124	11.0	12	
Toluene	1590	25	"	1640	ND	97.0	78-129	10.1	10	QR-02
Gasoline Range Organics (C6-C10)	18600	2500	"	22000	770	81.0	70-113	11.6	9	QR-02

<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.94		"	5.00		98.8	78-129			
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Sequoia Analytical - Morgan Hill

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



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

Project: ARCO #2111, San Leandro, Ca
Project Number: Intrim- 50277
Project Manager: Scott Robinson

MMD0323
Reported:
04/23/03 13:52

Notes and Definitions

- QR-02 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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 030407-142
 BP BU/GEM CO Portfolio: _____
 BP Laboratory Contract Number: _____

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

Date: 4-7-03

Requested Due Date (mm/dd/yy) MMD0323

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

BP/GEM Facility No.: _____
 BP/GEM Facility Address: 1156 DAVIS ST, San Leandro, CA
 Site ID No. ARCO 2111
 Site Lat/Long: _____
 California Global ID #: T0800101784
 BP/GEM PM Contact: PAUL SUPPLE
 Address: _____
 Tele/Fax: _____

Consultant/Contractor: URS
 Address: 500 12th St., Ste. 200 Oakland, CA 94609-4014
 e-mail BOD: syed_rehan@urscorp.com
 Consultant/Contractor Project No.: JS-00002111.01 00427
 Consultant Tele/Fax: 510-874-1735/510-874-3268
 Consultant/Contractor PM: Scott Robinson
 Invoiced to: Consultant/Contractor or (BP/GEM) (circle one)
 BP/GEM Work Release No: INTRIM -50277

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives			Requested Analysis					Sample Point Lat/Long and Comments	
			Sol/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G/STEX (8015)	TPH-D (8015)	MTBE (8021)	MTBE, TAME, ETBE DUPE, TBA (8260)		1,2-DCA & EDB (8260)
1	MW-1	1315	X				01	3				X		X				
2	MW-3	1305	X				02	3				X		X				
3	MW-4	1325	X				03	3				X		X				
4	MW-6	1340	X				04	3				X		X				
5	MW-7	1425	X				05	6				X		X				
6																		
7																		
8																		
9																		
10																		

Sampler's Name:	Relinquished By / Affiliation:	Date	Time	Accepted By / Affiliation:	Date	Time
<u>Aaron Costa</u>	<u>Blaine Tech</u>	<u>4/8/03</u>	<u>1146</u>	<u>[Signature]</u>	<u>4/8/03</u>	<u>1146</u>
<u>Blaine Tech</u>	<u>[Signature]</u>	<u>4/8/03</u>	<u>1640</u>	<u>[Signature]</u>	<u>4/8/03</u>	<u>1640</u>

Shipment Date: _____
 Shipment Method: _____
 Shipment Tracking No: _____
 Special Instructions: Address Invoice to BP/GEM but send to URS for approval
 Dry Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt 64 °C Trip Blank Yes No



Chain of Custody Record

Project Name 020407 - AC2
 BP BU/GEM CO Portfolio: _____
 BP Laboratory Contract Number: _____

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

Date: 4-7-03

Requested Due Date (mm/dd/yy) MMDb 3.23

Send To: _____
 Lab Name: SEQUOIA
 Lab Address: 885 Jarvis Dr. Morgan Hill, CA 95037
 Lab PM: Latonya Pelt
 Tele/Fax: 408-778-9600 / 408-782-6308
 Report Type & QC Level: Send PDF Reports

BP/GEM Facility No.: _____
 BP/GEM Facility Address: 1150 DAVIS ST, San Leandro, CA
 Site ID No. ARCO 2111
 Site Lat/Long: _____
 California Global ID #: T0600101764
 BP/GEM PM Contact: PAUL SUPPLE
 Address: _____
 Tele/Fax: _____

Consultant/Contractor: URS
 Address: 500 12th St, Ste. 200 Oakland, CA 94609-4014
 e-mail PDD: syed rehain@urscorp.com
 Consultant/Contractor Project No.: J5-00002111.01 00427
 Consultant Tele/Fax: 510-874-1735/510-874-3288
 Consultant/Contractor PM: Scott Robinson
 Invoice to: Consultant/Contractor or BP/GEM (circle one)
 BP/GEM Work Release No: INTRIM -50277

BP/GEM Account No.: _____

Lab Bottle Order No: _____

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis				Sample Point Lat/Long and Comments		
			Solid	Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G / BTEX (cont. list) 8260	TPH-D (8015)	MIBE (8021)	MIBE, TAME, ETBE, DPE, TBA (8260)		L2-DCA & EDB (8260)	Ethanol 8260
1	MW-5	1400	X				04	6				X			X				
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Aaron Cohen Relinquished By / Affiliation: Blaine Tech Date: 4/8/03 Time: 1146 Accepted By / Affiliation: [Signature] Date: 4/8/03 Time: 1640

Sampler's Company: Blaine Tech Shipment Date: _____ Shipment Method: _____ Shipment Tracking No: _____

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

Seals in Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt 6 °F Trip Blank Yes No

BP COC Rev. 1 2/5/01

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP LABS
 REC. BY (PRINT): JS/KF
 WORKORDER: WAD0323

DATE REC'D AT LAB: 04/08/03
 TIME REC'D AT LAB: 1640
 DATE LOGGED IN: 4-11-03

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASII #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*	01		MW-1	(3) VOA	HCO	L	04/07/03	2275020
2. Chain-of-Custody <u>Present</u> / Absent*	02		-3	↓	↓	↓	↓	↓
3. Traffic Reports or Packing List: Present / <u>Absent</u>	03		-4	↓	↓	↓	↓	↓
4. Airbill: Airbill / <u>Sticker</u> Present / <u>Absent</u>	04		-6	↓	↓	↓	↓	↓
5. Airbill #:	05		-7	(6) VOA	↓	↓	↓	↓
6. Sample Labels: <u>Present</u> / Absent	06		-5	↓	↓	↓	↓	↓
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody								
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? <u>Yes</u> / No*								
10. Sample received within hold time: <u>Yes</u> / No*								
11. Proper Preservatives used: <u>Yes</u> / No*								
12. Temp Rec. at Lab: Is temp 4 ± 2°C? <u>6.6</u> <u>Yes</u> / No** <small>(Acceptance range for samples requiring thermal pres.)</small>								
**Exception (if any): Metals / DIF (Direct From Field) or Problem COC								

04/09/03 MW

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

ATTACHMENT C

HISTORIC GROUNDWATER DATA

**Table 2
Historical Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents**

**ARCO Service Station 2111
1156 Davis Street, San Leandro, California**

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Free Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8260 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/Not Purged P/NP
MW-1	08-01-95	39.60	17.45	ND	22.15	08-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
MW-1	12-14-95	39.60	17.09	ND	22.51	12-14-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	03-21-96	39.60	14.72	ND	24.88	03-21-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	05-24-96	39.60	15.94	ND	23.66	05-24-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	08-09-96	39.60	17.89	ND	21.71	08-09-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	11-06-96	39.60	18.66	ND	20.94	11-06-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	03-24-97	39.60	16.13	ND	23.47	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	05-27-97	39.60	17.23	ND	22.37	05-28-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	08-07-97	39.60	18.68	ND	20.92	08-07-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	11-10-97	39.60	19.19	ND	20.41	11-10-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	02-16-98	39.60	12.61	ND	26.99	02-16-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	04-15-98	39.60	14.30	ND	25.30	04-15-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	07-24-98	39.60	16.40	ND	23.20	07-24-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	10-19-98	39.60	17.90	ND	21.70	10-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-1	01-28-99	39.60	16.85	ND	22.75	01-28-99	<20,000	580	<200	<200	320	14,000	--	--	--	--	--
MW-1	06-25-99	39.60	17.35	ND	22.25	06-25-99	730	140	5	3	2	7,700	--	--	--	0.79	NP
MW-1	08-25-99	39.60	18.20	ND	21.40	08-25-99	390	66	8.5	<2.5	8.6	3,700	--	--	--	1.56	NP
MW-1	11-10-99	39.60	17.77	ND	21.83	11-10-99	360	70	13	2.2	13	980	--	--	--	0.30	NP
MW-1	02-09-00	39.60	16.25	ND	23.35	02-09-00	190	4.5	0.9	<0.5	12	3,500	--	--	--	0.53	NP
MW-2	08-01-95	37.99	15.67	ND	22.32	08-01-95	23,000	1,300	310	500	3,500	--	--	--	--	--	--
MW-2	12-14-95	37.99	15.36	ND	22.63	12-14-95	7,300	900	25	180	1,000	<200	--	--	--	--	--
MW-2	03-21-96	37.99	12.84	ND	25.15	03-21-96	9,600	850	30	280	1,400	250	--	--	--	--	--
MW-2	05-24-96	37.99	14.03	ND	23.96	05-24-96	2,300	300	<5	73	310	<25	--	--	--	--	--
MW-2	08-09-96	37.99	16.10	ND	21.89	08-09-96	2,800	290	6	75	320	50	--	--	--	--	--

**Table 2
Historical Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents**

**ARCO Service Station 2111
1156 Davis Street, San Leandro, California**

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Free Product Thickness	Groundwater Elevation	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8021B*	Toluene EPA 8021B*	Ethylbenzene EPA 8021B*	Total Xylenes EPA 8021B*	MTBE EPA 8021B*	MTBE EPA 8260	TPPH EPA 418.1	TPHD LUFT Method	Dissolved Oxygen	Purged/Not Purged
		ft-MSL	feet	feet	ft-MSL		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	P/NP
MW-2	11-06-96	37.99	16.98	ND	21.01	11-06-96	750	76	<1	15	51	110	--	--	--	--	--
MW-2	03-24-97	37.99	14.22	ND	23.77	03-24-97	790	18	<1	2	6	280	--	--	--	--	--
MW-2	05-27-97	37.99	15.42	ND	22.57	05-28-97	750	14	<1	<1	10	150	--	--	--	--	--
MW-2	08-07-97	37.99	16.92	ND	21.07	08-07-97	360	31	<2.5	<2.5	15	260	--	--	--	--	--
MW-2	11-10-97	37.99	17.52	ND	20.47	11-10-97	1,300	82	<5	14	49	550	--	--	--	--	--
MW-2	02-16-98	37.99	12.04	ND	25.95	02-16-98	<2,500	<25	<25	<25	<25	4,200	--	--	--	--	--
MW-2	04-15-98	37.99	12.34	ND	25.65	04-15-98	<10,000	<100	<100	<100	<100	7,300	--	--	--	--	--
MW-2	07-24-98	37.99	14.45	ND	23.54	07-24-98	<2,500	<25	<25	<25	<25	1,500	--	--	--	--	--
MW-2	10-19-98	37.99	16.08	ND	21.91	10-19-98	<1,000	18	<10	<10	<10	1,100	--	--	--	--	--
MW-2	01-28-99	37.99	15.59	0.02	22.41 [1]	01-28-99	160,000	3,000	24,000	4,400	31,000	23,000	--	--	--	--	--
MW-2	06-25-99	37.99	19.20	3.73[4]	21.51 [1]	06-25-99	120,000	6,900	21,000	2,600	19,000	18,000	17,000[3]	--	--	0.49	NP
MW-2	08-25-99	37.99	16.49	0.02	21.51 [1]	08-25-99	92,000	2,200	16,000	3,200	19,000	11,000	9,400[3]	--	--	0.84	NP
MW-2	11-10-99	37.99	16.08	ND	21.91	11-10-99	56,000	2,400	5,900	1,500	10,000	17,000	21,000[3]	--	--	0.41	NP
MW-2	02-09-00	37.99	14.85	ND	23.14	02-09-00	1,700	270	14	17	21	70,000	55,000[3]	--	--	0.97	NP
MW-3	08-01-95	39.32	17.00	ND	22.32	08-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	600	76[2]	--	--
MW-3	12-14-95	39.32	16.70	ND	22.62	12-14-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	<500	<50	--	--
MW-3	03-21-96	39.32	14.17	ND	25.15	03-21-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	<500	<50	--	--
MW-3	05-24-96	39.32	15.30	ND	24.02	05-24-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	<500	<50	--	--
MW-3	08-09-96	39.32	17.58	ND	21.74	08-09-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	<500	--	--	--
MW-3	11-06-96	39.32	18.33	ND	20.99	11-06-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-3	03-24-97	39.32	15.44	ND	23.88	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-3	05-27-97	39.32	16.75	ND	22.57	05-28-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-3	08-07-97	39.32	18.35	ND	20.97	08-07-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--
MW-3	11-10-97	39.32	18.83	ND	20.49	11-10-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	--	--

**Table 2
Historical Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents**

**ARCO Service Station 2111
1156 Davis Street, San Leandro, California**

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Free Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8260 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-3	02-16-98	39.32	11.99	ND	27.33	02-16-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-3	04-15-98	39.32	13.75	ND	25.57	04-15-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-3	07-24-98	39.32	15.90	ND	23.42	07-24-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-3	10-19-98	39.32	17.45	ND	21.87	10-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-3	01-28-99	39.32	16.40	ND	22.92	01-28-99	<100	14	4	<1	6	100	--	--	--		
MW-3	06-25-99	39.32	17.92	ND	21.40	06-25-99	83	9.0	1.4	<0.5	2.5	220	--	--	--	1.11	NP
MW-3	08-25-99	39.32	17.79	ND	21.53	08-25-99	240	41	12	3.7	9.9	160	--	--	--	1.13	NP
MW-3	11-10-99	39.32	17.37	ND	21.95	11-10-99	620	100	9.7	4.1	21	150	--	--	--	0.24	NP
MW-3	02-09-00	39.32	15.77	ND	23.55	02-09-00	<50	<0.5	0.7	<0.5	<1	180	--	--	--	0.62	NP
MW-4	08-01-95	38.10	15.65	ND	22.45	08-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--		
MW-4	12-14-95	38.10	15.35	ND	22.75	12-14-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	03-21-96	38.10	12.74	ND	25.36	03-21-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	05-24-96	38.10	14.03	ND	24.07	05-24-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	08-09-96	38.10	16.10	ND	22.00	08-09-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	11-06-96	38.10	17.00	ND	21.10	11-06-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	03-24-97	38.10	14.21	ND	23.89	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	05-27-97	38.10	15.38	ND	22.72	05-28-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	08-07-97	38.10	16.95	ND	21.15	08-07-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	11-10-97	38.10	17.53	ND	20.57	11-10-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	02-16-98	38.10	10.65	ND	27.45	02-16-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	04-15-98	38.10	12.20	ND	25.90	04-15-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	07-24-98	38.10	14.47	ND	23.63	07-24-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	10-19-98	38.10	16.20	ND	21.90	10-19-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-4	01-28-99	38.10	15.02	ND	23.08	01-28-99	340	52	5.5	<0.5	74	31	--	--	--		

**Table 2
Historical Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents**

**ARCO Service Station 2111
1156 Davis Street, San Leandro, California**

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Free Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8260 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purgcd/ Not Purgcd
MW-4	06-25-99	38.10	15.57	ND	22.53	06-25-99	510	78	4.1	0.5	18	94	--	--	--	0.90	NP
MW-4	08-25-99	38.10	16.43	ND	21.67	08-25-99	660	130	21	6.4	39	110	--	--	--	1.01	NP
MW-4	11-10-99	38.10	16.02	ND	22.08	11-10-99	510	98	5.1	3.1	15	69	--	--	--	0.28	NP
MW-4	02-09-00	38.10	14.30	ND	23.80	02-09-00	<50	<0.5	0.9	<0.5	<1	55	--	--	--	0.67	NP
MW-5	03-21-96	37.21	12.60	ND	24.61	03-22-96	<50	<0.5	<0.5	<0.5	<0.5	82	--	--	--		
MW-5	05-24-96	37.21	13.71	ND	23.50	05-24-96	<50	<0.5	<0.5	<0.5	<0.5	7	--	--	--		
MW-5	08-09-96	37.21	15.60	ND	21.61	08-09-96	<50	<0.5	<0.5	<0.5	<0.5	8	--	--	--		
MW-5	11-06-96	37.21	16.36	ND	20.85	11-06-96	<50	<0.5	<0.5	<0.5	<0.5	100	--	--	--		
MW-5	03-24-97	37.21	13.87	ND	23.34	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	460	--	--	--		
MW-5	05-27-97	37.21	14.71	ND	22.50	05-28-97	<100	<1	<1	<1	<1	120	--	--	--		
MW-5	08-07-97	37.21	16.90	ND	20.31	08-07-97	<250	<2.5	<2.5	<2.5	<2.5	250	--	--	--		
MW-5	11-10-97	37.21	16.88	ND	20.33	11-10-97	<1,000	<10	<10	<10	<10	770	--	--	--		
MW-5	02-16-98	37.21	10.56	ND	26.65	02-16-98	<200	<2	<2	<2	<2	230	--	--	--		
MW-5	04-15-98	37.21	12.20	ND	25.01	04-15-98	<500	<5	<5	<5	<5	900	--	--	--		
MW-5	07-24-98	37.21	14.20	ND	23.01	07-24-98	<500	<5	<5	<5	<5	570	--	--	--		
MW-5	10-19-98	37.21	15.74	ND	21.47	10-19-98	<250	<2.5	<2.5	<2.5	<2.5	300	--	--	--		
MW-5	01-28-99	37.21	14.60	ND	22.61	01-28-99	<500	8	<5	<5	<5	290	--	--	--		
MW-5	06-25-99	37.21	15.10	ND	22.11	06-25-99	<50	<0.5	<0.5	<0.5	<0.5	1,300	--	--	--	0.76	NP
MW-5	08-25-99	37.21	15.91	ND	21.30	08-25-99	<50	<0.5	<0.5	<0.5	<0.5	6,700	--	--	--	0.98	NP
MW-5	11-10-99	37.21	15.52	ND	21.69	11-10-99	130	2.0	7.0	1.3	21	5,000	--	--	--	0.21	NP
MW-5	02-09-00	37.21	14.03	ND	23.18	02-09-00	92	<0.5	0.8	<0.5	1.0	7,900	--	--	--	0.51	NP
MW-6	03-21-96	37.11	11.55	ND	25.56	03-22-96	<50	<0.5	1.9	<0.5	<0.5	<3	--	--	--		
MW-6	05-24-96	37.11	12.80	ND	24.31	05-24-96	<50	<0.5	<0.5	<0.5	<0.5	6	--	--	--		

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ARCO Service Station 2111
1156 Davis Street, San Leandro, California

Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Free Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8260 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-6	08-09-96	37.11	Not surveyed			08-09-96	Not sampled: Car parked on well										
MW-6	11-06-96	37.11	Not surveyed			11-06-96	Not sampled: Car parked on well										
MW-6	03-24-97	37.11	13.06	ND	24.05	03-24-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	05-27-97	37.11	14.30	ND	22.81	05-28-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	08-07-97	37.11	16.40	ND	20.71	08-07-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	11-10-97	37.11	16.53	ND	20.58	11-10-97	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	02-16-98	37.11	Not surveyed			02-16-98	Not sampled: Car parked on well										
MW-6	04-15-98	37.11	10.95	ND	26.16	04-15-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	07-24-98	37.11	13.30	ND	23.81	07-24-98	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	10-19-98	37.11	Not surveyed			10-19-98	Not sampled: Car parked on well										
MW-6	01-28-99	37.11	13.92	ND	23.19	01-28-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--		
MW-6	06-25-99	37.11	15.47	ND	21.64	06-25-99	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	0.74	NP
MW-6	08-25-99	37.11	15.39	ND	21.72	08-25-99	<50	<0.5	3.4	0.6	3.7	<3	--	--	--	0.92	NP
MW-6	11-10-99	37.11	14.92	ND	22.19	11-10-99	<50	<0.5	<0.5	<0.5	<1	<3	--	--	--	0.31	NP
MW-6	02-09-00	37.11	13.30	ND	23.81	02-09-00	<50	<0.5	0.9	<0.5	1.3	<3	--	--	--	0.79	NP
MW-7	03-21-96	38.68	13.32	ND	25.36	03-22-96	32,000	870	450	970	4,900	280	--	--	--		
MW-7	05-24-96	38.68	14.58	ND	24.10	05-24-96	22,000	570	40	42	1,900	<200[2]	--	--	--		
MW-7	08-09-96	38.68	15.33	ND	23.35	08-09-96	14,000	390	<10	180	470	<200[2]	--	--	--		
MW-7	11-06-96	38.68	16.95	ND	21.73	11-06-96	9,500	440	<10	210	150	<100[2]	--	--	--		
MW-7	03-24-97	38.68	14.65	ND	24.03	03-24-97	6,400	420	<10	260	13	480	--	--	--		
MW-7	05-27-97	38.68	15.58	ND	23.10	05-28-97	5,000	420	<5	230	10	460	--	--	--		
MW-7	08-07-97	38.68	17.10	ND	21.58	08-07-97	3,900	350	<5	200	10	330	--	--	--		
MW-7	11-10-97	38.68	18.05	ND	20.63	11-10-97	5,600	590	10	370	43	540	--	--	--		
MW-7	02-16-98	38.68	12.03	ND	26.65	02-16-98	<5,000	390	<50	<50	61	4,300	--	--	--		

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Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Free Product Thickness feet	Groundwater Elevation ft-MSL	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8021B* µg/L	Toluene EPA 8021B* µg/L	Ethylbenzene EPA 8021B* µg/L	Total Xylenes EPA 8021B* µg/L	MTBE EPA 8021B* µg/L	MTBE EPA 8260 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L	Dissolved Oxygen mg/L	Purged/ Not Purged P/NP
MW-7	04-15-98	38.68	13.02	ND	25.66	04-15-98	<10,000	<100	<100	<100	<100	8,900	--	--	--		
MW-7	07-24-98	38.68	14.18	ND	24.50	07-24-98	5,800	180	<50	74	<50	4,200	--	--	--		
MW-7	10-19-98	38.68	15.99	ND	22.69	10-19-98	<2,500	54	<25	72	<25	3,000	--	--	--		
MW-7	01-28-99	38.68	15.69	ND	22.99	01-28-99	4,500	560	250	<50	94	6,200	--	--	--		
MW-7	06-25-99	38.68	15.36	ND	23.32	06-25-99	3,900	520	160	46	100	45,000	63,000[3]	--	--	0.56	NP
MW-7	08-25-99	38.68	16.71	ND	21.97	08-25-99	3,400	730	77	51	110	62,000	76,000[3]	--	--	0.90	NP
MW-7	11-10-99	38.68	16.76	ND	21.92	11-10-99	15,000	340	19	13	20	55,000	91,000[3]	--	--	0.37	NP
MW-7	02-09-00	38.68	14.45	0.03	24.25 [1]	02-09-00	Not sampled: free product present										

ft-MSL: elevation in feet, relative to mean sea level
TPHG: total petroleum hydrocarbons as gasoline, California DHS LUFT Method
MTBE: Methyl tert-butyl ether
TRPH: total recoverable petroleum hydrocarbons
TPHD: total petroleum hydrocarbons as diesel, California DHS LUFT Method
*: EPA method 8020 prior to 11/10/99
EPA: United States Environmental Protection Agency
µg/L: micrograms per liter
mg/L: milligrams per liter
ND: none detected
--: not available or not analyzed
<: less than laboratory detection limit stated to the right
[1]: [corrected elevation (Z')] = Z + (h * 0.73) where: Z = measured elevation, h = floating product thickness, 0.73 = density ratio of oil to water
[2]: chromatogram fingerprint is not characteristic of diesel
[3]: also analyzed for fuel oxygenates
[4]: this value is suspected to be erroneous based on subsequent check by bailer (following day). See discussion

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

05/08/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #2111, San Leandro,
Work Order Number:	MMD0323
Global ID:	T0600101764
Lab Report Number:	MMD0323042320031352

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMD03230423200	MW-1 31352	MMD032301	W	CS	8260+OX	SW5030B	04/07/03	04/19/03	04/20/03	3D19016	1	
MMD03230423200	MW-3 31352	MMD032302	W	CS	8260+OX	SW5030B	04/07/03	04/18/03	04/19/03	3D18040	1	
MMD03230423200	MW-4 31352	MMD032303	W	CS	8260+OX	SW5030B	04/07/03	04/18/03	04/19/03	3D18040	1	
MMD03230423200	MW-5 31352	MMD032306	W	CS	8260+OX	SW5030B	04/07/03	04/18/03	04/19/03	3D18040	1	
MMD03230423200	MW-6 31352	MMD032304	W	CS	8260+OX	SW5030B	04/07/03	04/18/03	04/19/03	3D18040	1	
MMD03230423200	MW-7 31352	MMD032305	W	CS	8260+OX	SW5030B	04/07/03	04/19/03	04/20/03	3D19016	1	
		MMD032301R1	W	NC	8260+OX	SW5030B	//	04/18/03	04/19/03	3D18040	1	
		3D18040BS1	WQ	BS1	8260+OX	SW5030B	//	04/18/03	04/18/03	3D18040	1	
		3D18040BS2	WQ	BS2	8260+OX	SW5030B	//	04/18/03	04/18/03	3D18040	1	
		3D18040BLK1	WQ	LB1	8260+OX	SW5030B	//	04/18/03	04/18/03	3D18040	1	
		3D18040MS1	W	MS1	8260+OX	SW5030B	//	04/18/03	04/19/03	3D18040	1	
		3D18040MSD1	W	SD1	8260+OX	SW5030B	//	04/18/03	04/19/03	3D18040	1	
		3D19016BS1	WQ	BS1	8260+OX	SW5030B	//	04/19/03	04/19/03	3D19016	1	
		3D19016BS2	WQ	BS2	8260+OX	SW5030B	//	04/19/03	04/19/03	3D19016	1	
		3D19016BLK1	WQ	LB1	8260+OX	SW5030B	//	04/19/03	04/19/03	3D19016	1	
		3D19016MS1	W	MS1	8260+OX	SW5030B	//	04/19/03	04/19/03	3D19016	1	
		3D19016MSD1	W	SD1	8260+OX	SW5030B	//	04/19/03	04/19/03	3D19016	1	

EDFSAMP: Error Summary Log

05/08/03

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

EDFTEST: Error Summary Log

05/08/03

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

EDFRES: Error Summary Log

05/08/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3D18040MS1	MS1	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	3D18040MSD1	SD1	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	3D19016MS1	MS1	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	3D19016MSD1	SD1	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	MMD032301	CS	W	8260+OX	PR	04/20/03	1	GROC6C10
Warning: extra parameter	MMD032301	CS	W	8260+OX	PR	04/20/03	1	XYLENES
Warning: extra parameter	MMD032301R1	NC	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	MMD032302	CS	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	MMD032302	CS	W	8260+OX	PR	04/19/03	1	XYLENES
Warning: extra parameter	MMD032303	CS	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	MMD032303	CS	W	8260+OX	PR	04/19/03	1	XYLENES
Warning: extra parameter	MMD032304	CS	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	MMD032304	CS	W	8260+OX	PR	04/19/03	1	XYLENES
Warning: extra parameter	MMD032305	CS	W	8260+OX	PR	04/20/03	1	GROC6C10
Warning: extra parameter	MMD032305	CS	W	8260+OX	PR	04/20/03	1	XYLENES
Warning: extra parameter	MMD032306	CS	W	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	MMD032306	CS	W	8260+OX	PR	04/19/03	1	XYLENES
Warning: extra parameter	3D18040BLK1	LB1	WQ	8260+OX	PR	04/18/03	1	GROC6C10
Warning: extra parameter	3D18040BLK1	LB1	WQ	8260+OX	PR	04/18/03	1	XYLENES
Warning: extra parameter	3D18040BS2	BS2	WQ	8260+OX	PR	04/18/03	1	GROC6C10
Warning: extra parameter	3D19016BLK1	LB1	WQ	8260+OX	PR	04/19/03	1	GROC6C10
Warning: extra parameter	3D19016BLK1	LB1	WQ	8260+OX	PR	04/19/03	1	XYLENES
Warning: extra parameter	3D19016BS2	BS2	WQ	8260+OX	PR	04/19/03	1	GROC6C10

EDFQC: Error Summary Log

05/08/03

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

EDFCL: Error Summary Log

05/08/03

Error type	Clevdate	Anmcode	Exmcode	Parlabel	Cicode
There are no errors in this data file	11				

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Confirmation Number: 7968567848

Date/Time of Submittal: 5/8/2003 4:04:31 PM

Facility Global ID: T0600101764

Facility Name: ARCO # 02111

Submittal Title: Second Quarter 03 Groundwater Monitoring Report for site # 2111

Submittal Type: GW Monitoring Report

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geo_well.txt							
T0600101764	MW-1	ACT	04/07/2003		16.61	0	26.22
T0600101764	MW-2	ACT	04/07/2003	14.65	14.70	0	26.68
T0600101764	MW-3	ACT	04/07/2003		16.15	0	26.65
T0600101764	MW-4	ACT	04/07/2003		14.74	0	21.63
T0600101764	MW-5	ACT	04/07/2003		14.42	0	23.85
T0600101764	MW-6	ACT	04/07/2003		13.61	0	24.82
T0600101764	MW-7	ACT	04/07/2003		14.52	0	27.18

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UPLOADING A GEO_WELL FILE

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

Submittal Title: Second Quarter 03 Geowell for site #
2111

Submittal Date/Time: 5/8/2003 3:45:21 PM

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Number:** 7529789566

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