URS

October 3, 2003

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Third Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, California
URS Project #38486333

Dear Mr. Seery:

On behalf of Atlantic Richfield Company (ARCO – an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Third Quarter 2003 Groundwater Monitoring Report* for ARCO Service Station #5387, located at 20200 Hesperian Boulevard, Hayward, California.

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

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James F. Durkin, C.Hg.
Senior Geologist

REGISTERED GEOLOGIST
JAMES F. DURKIN
No. 759
CERTIFIED HYDROGEOLOGIST
Exp. 2/28/05
STATE OF CALIFORNIA

Enclosure: Third Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)

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

REPORT

THIRD QUARTER 2003 GROUNDWATER MONITORING

ARCO SERVICE STATION #5387
20200 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

Prepared for
Atlantic Richfield Company

October 3, 2003

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

38486333

Date: October 3, 2003

Quarter: 3Q 03

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.:	5387	Address:	20200 Hesperian Boulevard, Hayward, California
ARCO Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486333
Primary Agency:			Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (Third – 2003):

1. Performed third quarter groundwater monitoring event on September 4, 2003.
2. Prepared and submitted third quarter 2003 groundwater monitoring report.
3. Prepared and submitted workplan for hydrogen peroxide injections on August 11, 2003.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2003):

1. Perform fourth quarter 2003 groundwater monitoring event.
2. Prepare and submit fourth quarter 2003 groundwater monitoring report.
3. Perform hydrogen peroxide injections.
4. Perform well repairs on MW-1, AR-1 and AR-2.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1 through MW-3, A-4 through A-10, AR-1 and AR-2
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	9.85 ft (MW-3) to 13.59 ft (A-7)
Groundwater Gradient (direction):	West
Groundwater Gradient (magnitude):	0.005 feet per foot

DISCUSSION:

TPH-g was detected in one of the eight wells sampled this quarter at a concentration of 500 µg/L (MW-2). Benzene was not detected in any of the wells sampled this quarter. MTBE was detected in four wells at concentrations ranging from 0.50 µg/L (A-5) to 28 µg/L (MW-2). TAME was detected in two wells at concentrations of 0.86 µg/L (A-7) and 3.8 µg/L (MW-2). Wells MW-1, AR-1 and AR-2 could not be sampled or gauged because the bolt on the well head was warped; field sheets indicate that the bolts appear to have melted. Well A-4 was not sampled because a parked vehicle prevented access to the well.

During this quarter, this site became available to URS in the Geotracker system. This report includes upload confirmation sheets for the first, second and third quarter of 2003 (Attachment C).

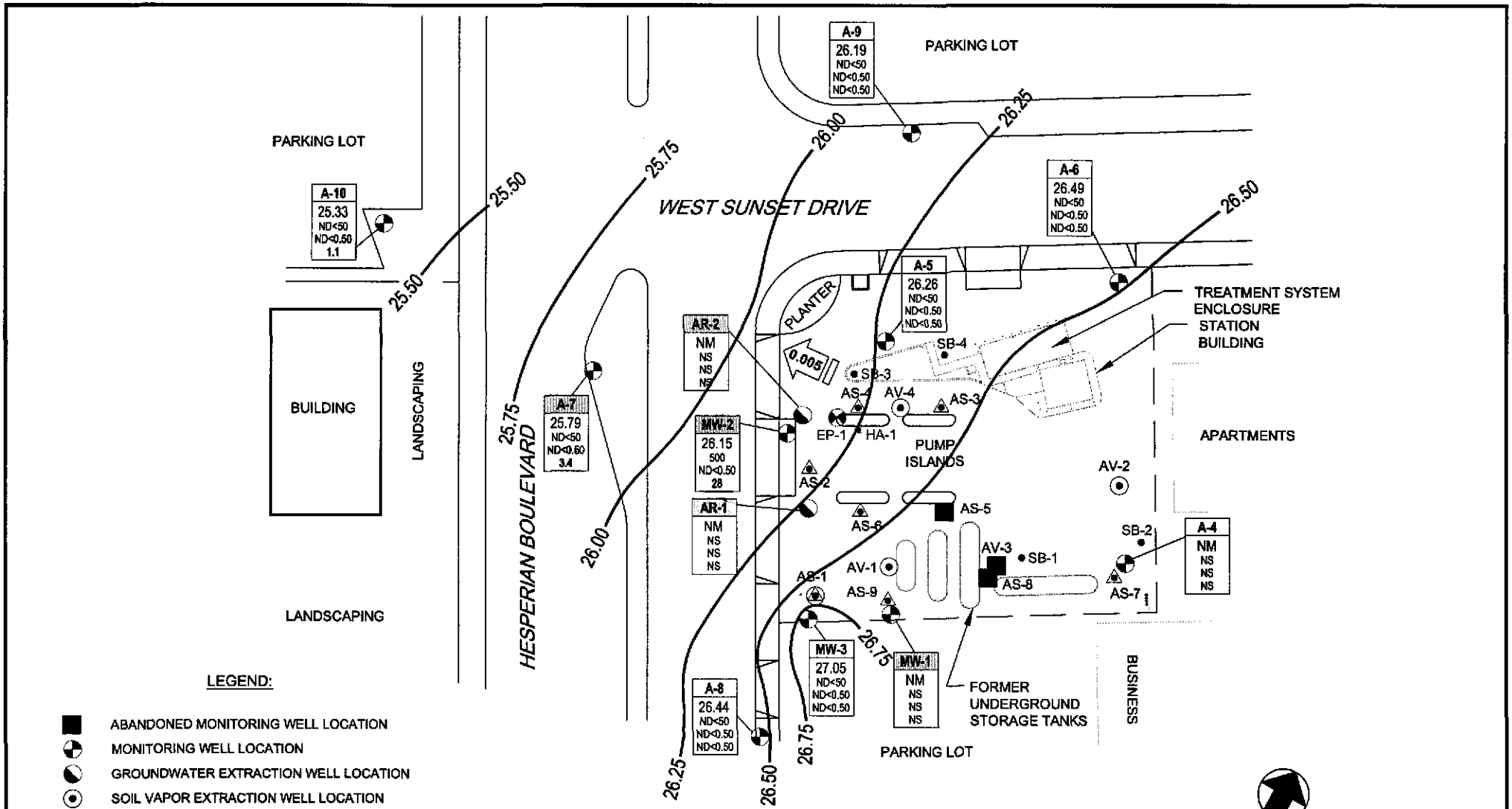
RECOMMENDATIONS:

URS recommends reducing the sampling frequency in wells A-4, A-5, A-7, A-8, A-9, and AR-1 from quarterly to semi-annually and in wells MW-3, A-6, A-10, and AR-2 from quarterly to annually.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 4, 2003
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation (1st, 2nd & 3rd Quarters, 2003)

X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\5387\Monitoring\Qtr.3, 2003\Drawings\GWEC-AS_9-4.dwg, 10/02/2003 03:30:09 PM, JKMT, URS



LEGEND:

- ABANDONED MONITORING WELL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER EXTRACTION WELL LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION
- AIR SPARGE WELL LOCATION
- DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL LOCATION
- AIR SPARGE WELL LOCATION
- DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL LOCATION
- EXTRACTION POINT
- 26.00 APPOXIMATE GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
- 0.007 GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET/FOOT)
- Well / ELEV / TPH-g / Benzene / MTBE PROPOSED HYDROGEN PEROXIDE WELL

Well — WELL DESIGNATION
ELEV — GROUNDWATER ELEVATION
TPH-g / Benzene / MTBE — CONCENTRATIONS OF TPH-g, BENZENE AND MTBE IN MICROGRAMS PER LITER (µg/L)

* NOT USED IN GROUNDWATER ELEVATION CONTOURS

ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS

NORTH

0 50 100

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS

Project No. 38486333

ARCO Service Station 5387
20200 Hesperian Boulevard
Hayward, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2003 (September 4, 2003)

FIGURE 1

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
AR-1	09/14/92		38.11	15.21	22.90	820	67	ND<1.0	8.8	6.7	---	---	---
	11/12/92			15.36	22.75	140	66	ND<0.5	4.3	3.7	---	---	---
	02/11/93			12.81	25.30	360	190	ND<2.5	8.6	ND<2.5	---	---	---
	04/14/93			11.77	26.34	420	240	5.2	30	8.7	---	---	---
	08/12/93			13.55	24.56	370	150	ND<2	11	ND<2	---	---	---
	10/26/93			13.98	24.13	240	98	ND<2	11	ND<2	---	---	---
	02/17/94		37.46	12.15	25.31	4,700	1,100	ND<10	140	26	---	---	---
	05/03/94			12.03	25.43	620	130	1.3	48	4.3	---	---	---
	08/17/94		37.33	12.92	24.41	3,600	630	ND<5	200	12	---	---	---
	11/18/94			12.41	24.92	12,100	720	6.1	337	15	---	---	---
	09/26/95		37.46	11.34	26.12	ND	8.3	ND	ND	ND	---	---	---
	12/06/95			11.87	25.59	120	20	ND	20	0.6	---	---	---
	02/14/96			10.48	26.98	ND	ND	ND	ND	0.52	---	---	---
	10/29/96			11.80	25.66	ND	ND	0.99	ND	ND	---	---	---
	01/29/97			11.25	26.21	ND<50	0.41	ND<0.3	ND<0.3	ND<0.3	ND<20	---	---
	04/30/97			12.24	25.22	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97			10.80	26.66	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97			11.90	25.56	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98			11.20	26.26	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98			12.20	25.26	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98			9.10	28.36	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98			9.80	27.66	270	2.1	ND<0.3	3.6	ND<0.5	190	---	---
	01/13/99			10.10	27.36	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99			11.35	26.11	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	1.1	2.9	---	---
	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6*	---	---
	09/23/02	P		11.26	26.20	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.50	20.2	1.6	6.9
	12/09/02	P		11.35	26.11	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.00	26.6	1.8	6.9
	02/11/03[e]	P		9.91	27.55	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.7	1.2	6.7
	06/27/03	NP		10.30	27.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.6	1.6	7.0
	09/04/03[f]			---	---	---	---	---	---	---	---	---	---

Table 1
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ARCO Service Station #5387
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Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
AR-2	03/30/93		38.39	11.53	26.86	390	4.1	1.6	ND<0.5	47	---	---	---
	04/14/93			11.87	26.52	310	18	ND<0.5	0.67	36	---	---	---
	08/12/93			13.59	24.80	130	16	ND<0.5	1.7	0.57	---	---	---
	10/26/93			14.25	24.14	110	15	ND<0.5	1.8	ND<0.5	---	---	---
	02/17/94			12.76	25.22	130	2.9	ND<0.5	15	0.8	---	---	---
	05/03/94			12.60	25.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/17/94		38.18	13.86	24.32	3,000	140	140	220	91	---	---	---
	11/18/94			13.33	24.85	623	10.5	10.5	27.9	8.0	---	---	---
	09/26/95		37.98	11.67	26.31	ND	ND	ND	ND	ND	---	---	---
	12/06/95			12.32	25.66	320	12	12	23	2.1	---	---	---
	02/14/96			10.74	27.24	ND	ND	ND	ND	0.76	---	---	---
	10/29/96			11.95	26.03	ND	ND	ND	ND	ND	---	---	---
	01/29/97			11.35	26.63	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97			12.15	25.83	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97			11.20	26.78	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97			12.14	25.84	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98			10.05	27.93	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98			12.10	25.88	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98			9.50	28.48	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98			10.45	27.53	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99			10.50	27.48	ND<50	ND<0.3	0.40	ND<0.3	0.53	ND<20	---	---
	04/29/99			11.48	26.50	ND<50	ND<0.3	ND<0.3	ND<0.3	0.82	ND<5	---	---
	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	---	---
	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	39*	---	---
	09/23/02	P		12.22	25.76	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.50	4.43	1.0	7.1
	12/09/02	P		12.30	25.68	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	1.1	7.0
	02/11/03[e]	P		10.80	27.18	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.75	1.8	6.9
	06/27/03	NP		11.14	26.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.0	0.9	6.4
	09/04/03[f]			---	---	---	---	---	---	---	---	---	---

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Hayward, California

Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
MW-1	08/08/86	38.36	11.25	27.11	7,040	132	8.7	439	230	---	---	---
	12/24/91		16.12	22.24	2,200	190	8.5	6.9	2.6	---	---	---
	03/10/92		13.34	25.02	2,800	270	29	56	39	---	---	---
	06/09/92		14.12	24.24	2,900	960	27	99	63	---	---	---
	09/14/92		15.34	23.02	2,600	450	ND<5.0	45	21	---	---	---
	11/12/92		15.46	22.90	1,600	310	7.2	22	8.9	---	---	---
	02/11/93		11.95	26.41	4,000	510	47	200	91	---	---	---
	04/14/93		11.65	26.71	1,700	260	20	100	70	---	---	---
	08/12/93		12.93	25.43	830	60	3.8	39	3.6	---	---	---
	10/26/93		14.13	24.23	8,800	140	ND<10	41	ND<10	---	---	---
	02/17/94	37.26	11.86	25.40	1,200	130	12	54	58	---	---	---
	05/03/94		11.58	25.68	---	---	---	---	---	---	---	---
	08/17/94	37.33	12.78	24.55	3,900	86	5.1	78	9.4	---	---	---
	11/18/94		12.31	25.02	6,350	112	8.4	107	35	---	---	---
	09/26/95	37.26	11.26	26.00	ND	ND	ND	ND	ND	---	---	---
	12/06/95		12.16	25.10	4,100	0.86	0.46	0.38	0.92	---	---	---
	02/14/96		8.53	28.73	ND	ND	0.56	ND	0.82	---	---	---
	10/29/96		10.23	27.03	130	ND	ND	ND	ND	---	---	---
	01/29/97		8.15	29.11	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		8.05	29.21	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		10.50	26.76	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97		11.15	26.11	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		4.95	32.31	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		8.10	29.16	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		8.02	29.24	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	40	---	---
	10/22/98		9.70	27.56	230	0.43	1.9	0.99	0.99	33	---	---
	01/13/99		9.60	27.66	ND<50	0.43	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99		8.05	29.21	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	^31/17	---	---

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Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
MW-1	01/15/02			---	---	ND<50	ND<0.05	ND<0.5	ND<0.5	ND<0.5	21	---	---
(Cont'd)	04/24/02			---	---	160	1.5	ND<0.50	ND<0.50	ND<0.50	770*	---	---
	09/23/02[a]			---	---	---	---	---	---	---	---	---	---
	12/09/02	P		11.22	26.04	998	ND<0.50	ND<0.50	ND<0.50	1.37 (b)	855(d)/ 1310*	2.2	7.0
	02/11/03[e]	P		9.70	27.56	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	76	1.6	6.7
	06/27/03	P		10.10	27.16	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	170	0.8	6.8
	09/04/03[f]			---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

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Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
MW-2	08/08/86	38.58	11.62	26.96	1,910	20.1	2.8	1.8	---	---	---	---
	12/24/91		16.50	22.08	23,000	1,500	1,100	480	1,400	---	---	---
	03/10/92		13.50	25.08	210,000	44,000	3,900	1,700	5,800	---	---	---
	06/09/92		14.52	24.06	33,000	2,300	370	780	2,600	---	---	---
	09/14/92		15.78	22.80	16,000	3,700	10	470	1,000	---	---	---
	11/12/92		15.98	22.60	16,000	3,800	86	470	910	---	---	---
	02/11/93		12.27	26.31	27,000	3,500	720	1,600	380	---	---	---
	04/14/93		12.01	26.57	27,000	3,500	220	2,200	5,100	---	---	---
	08/12/93		13.81	24.77	16,000	1,600	27	1,300	1,200	---	---	---
	10/26/93		14.53	24.05	12,000	1,200	ND<25	510	330	---	---	---
	02/17/94		12.81	25.77	15,000	1,800	21	850	540	---	---	---
	05/03/94		12.63	25.95	---	---	---	---	---	---	---	---
	08/17/94	37.99	13.69	24.30	14,000	850	13	640	270	---	---	---
	11/18/94	38.06	13.18	24.88	14,900	640	3.4	532	156	---	---	---
	09/26/95	37.99	12.23	25.76	5,100	40	25	2.5	18	---	---	---
	12/06/95		12.82	25.17	810	34	23	11	11	---	---	---
	02/14/96		10.87	27.12	420	0.75	0.54	0.64	0.53	---	---	---
	10/29/96		12.95	25.04	670	1.7	1.3	0.6	0.8	---	---	---
	01/29/97		11.15	26.84	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		11.09	26.90	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		11.70	26.29	330	ND<0.3	0.58	0.53	ND<0.5	ND<20	---	---
	10/22/97		11.05	26.94	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		9.50	28.49	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		11.15	26.84	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		10.20	27.79	78	ND<0.3	ND<0.3	ND<0.3	ND<0.5	97	---	---
	10/22/98		11.10	26.89	270	0.37	2.0	0.91	0.73	26	---	---
	01/13/99		11.10	26.89	650	5.8	1.0	1.4	1.1	ND<20	---	---
	04/29/99		11.05	26.94	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	^23/16	---	---

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
MW-2	01/15/02			---	---	1,200	15	4.5	ND<0.5	ND<0.5	190	---	---
(Cont'd)	04/24/02			---	---	1,300	18	ND<10	ND<10	ND<10	170*	---	---
	09/23/02	P		12.15	25.84	1,440	11.2	0.730	ND<0.500	ND<1.50	228	1.6	6.9
	12/09/02	P		12.20	25.79	1,770	8.08	0.694	2.47	3.79 (b)	529(d)/ 902*	6.2	6.7
	02/11/03[e]	P		10.79	27.20	1,100	ND<0.50	ND<0.50	ND<0.50	0.53	71	1.2	6.8
	06/27/03	P		11.20	26.79	520	ND<0.50	ND<0.50	ND<0.50	ND<0.50	45	0.8	6.8
	09/04/03	**P**		**11.84**	**26.15**	**500**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**28**	**1.2**	**6.9**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
MW-3	08/08/86	37.77	10.61	27.16	7,450	510	549	409	1,380	---	---	---
	12/24/91		15.60	22.17	6,800	450	10	610	45	---	---	---
	03/10/92		12.90	24.87	11,000	2,500	75	400	560	---	---	---
	06/09/92		13.60	24.17	16,000	2,000	69	1,300	2,600	---	---	---
	09/14/92		14.78	22.99	14,000	630	ND<50	1,500	2,400	---	---	---
	11/12/92		14.92	22.85	7,400	400	ND<25	860	330	---	---	---
	02/11/93		11.65	26.12	8,600	580	ND<20	710	300	---	---	---
	04/14/93		11.16	26.61	6,900	300	8.8	580	99	---	---	---
	08/12/93		12.82	24.95	3,400	56	ND<5	190	ND<5	---	---	---
	10/26/93		13.60	24.17	2,900	42	ND<10	76	ND<10	---	---	---
	02/17/94	36.80	11.53	25.27	3,100	160	ND<10	36	8.6	---	---	---
	05/03/94		11.36	25.44	2,300	44	ND<2.5	8.0	ND<2.5	---	---	---
	08/17/94	36.87	12.38	24.49	1,900	7.0	ND<9.5	4.4	ND<5	---	---	---
	11/18/94		11.93	24.94	909	1.1	ND<0.5	0.9	4.0	---	---	---
	09/26/95	36.80	10.96	25.84	410	1.3	1.9	2.3	3.3	---	---	---
	12/06/95		11.56	25.24	---	0.9	4.6	3.0	4.3	---	---	---
	02/14/96		7.47	29.33	99	ND	0.49	0.46	ND	---	---	---
	10/29/96		9.80	27.00	250	0.7	0.6	ND	ND	---	---	---
	01/29/97		7.50	29.30	170	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		12.10	24.70	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		9.90	26.90	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97		12.10	24.70	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		7.50	29.30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		12.30	24.50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		8.30	28.50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98		9.10	27.70	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99		9.50	27.30	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99		5.93	30.87	ND<50	ND<0.3	0.35	ND<0.3	ND<0.5	ND<5	---	---

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
MW-3	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.9	---	---
(Cont'd)	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50*	---	---
	09/23/02	P		10.30	26.50	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.50	ND<0.500	1.0	6.9
	12/09/02	P		10.38	26.42	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	1.7	6.7
	02/11/03[e]	P		8.85	27.95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.6	6.7
	06/27/03	P		9.12	27.68	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.61	0.9	6.8
	09/04/03	**P**		**9.85**	**27.05**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**1.0**	**6.9**

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Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
A-4	03/06/91	39.46	13.22	26.24	34,000	11,000	870	2,500	2,100	---	---	---
	12/24/91	39.86	17.60	22.26	1,900	29	1.9	25	29	---	---	---
	03/10/92		14.76	25.10	7,400	37	ND<0.60	11	73	---	---	---
	06/09/92		15.63	24.23	4,500	3.2	1.5	37	16	---	---	---
	09/14/92		16.83	23.03	1,300	ND<2.5	2.5	61	6.8	---	---	---
	11/12/92		16.97	22.89	610	7.2	0.98	34	0.97	---	---	---
	02/11/93		13.43	26.43	740	2.4	ND<0.5	5.0	3.5	---	---	---
	04/14/93		13.06	26.80	380	ND<0.5	ND<0.5	10	1.6	---	---	---
	08/12/93		14.94	24.92	1,200	0.93	ND<0.5	0.91	ND<0.5	---	---	---
	10/26/93		15.52	24.34	160	ND<0.5	ND<0.5	1.0	ND<0.5	---	---	---
	02/17/94	39.46	14.02	25.44	320	0.5	ND<0.5	28	0.9	---	---	---
	05/03/94		13.85	25.61	130	ND<0.5	ND<0.5	1.1	ND<0.5	---	---	---
	08/17/94	39.53	14.95	39.53	62	34.58	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/18/94		14.46	25.07	98	1.3	0.6	ND<0.5	ND<0.5	---	---	---
	12/06/95		13.82	25.71	ND	0.6	ND	ND	ND	---	---	---
	02/14/96		11.24	28.29	ND	ND	2.3	ND	0.71	---	---	---
	10/29/96		13.50	26.03	140	ND	ND	ND	ND	---	---	---
	01/29/97		12.65	26.88	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		13.97	25.56	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		12.70	26.83	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97		13.95	25.58	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		11.90	27.63	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		13.92	25.61	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		10.80	28.73	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98		12.60	26.93	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99		12.60	26.93	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99		12.61	26.92	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-4	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.2	---	---
(Cont'd)	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50*	---	---
	09/23/02[a]			---	---	---	---	---	---	---	---	---	---
	12/09/02	P		13.36	26.17	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	2.4	6.6
	02/11/03[e]	P		11.82	27.71	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.53	1.8	6.6
	06/27/03	P		12.12	27.41	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.2	6.7
	09/04/03[a]			—	—	—	—	—	—	—	—	—	—

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Hayward, California

Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
A-5	12/24/91	38.94	16.85	22.09	1,600	21	ND<0.30	32	52	---	---	---
	03/10/92		13.83	25.11	1,000	1.6	ND<0.30	43	100	---	---	---
	06/09/92		14.91	24.03	680	34	ND<1.5	14	16	---	---	---
	09/14/92		16.14	22.80	770	12	ND<0.30	51	65	---	---	---
	11/12/92		16.35	22.59	520	3.0	ND<2.5	29	36	---	---	---
	02/11/93		13.21	25.73	150	1.6	0.96	5.1	1.5	---	---	---
	04/14/93		12.97	25.97	190	5.4	ND<0.5	1.5	0.97	---	---	---
	08/12/93		14.12	24.82	230	1.7	ND<0.5	5.3	0.94	---	---	---
	10/26/93		14.72	24.22	190	2.8	ND<0.5	5.5	2.0	---	---	---
	02/17/94	38.47	13.20	25.27	340	ND<0.5	ND<0.5	13	2.9	---	---	---
	05/03/94		13.08	25.39	170	1.4	ND<0.5	4.0	1.9	---	---	---
	08/17/94	38.54	14.18	24.36	270	0.6	ND<0.5	7.3	1.1	---	---	---
	11/18/94		13.73	24.81	338	---	ND<0.5	4.6	ND<0.5	---	---	---
	09/26/95	38.47	12.44	26.03	ND	0.63	1.1	ND	1.2	---	---	---
	12/06/95		12.92	25.55	ND	ND	ND	ND	ND	---	---	---
	02/14/96		10.76	27.71	ND	ND	2.0	ND	1.1	---	---	---
	10/29/96		12.35	26.12	ND	ND	ND	ND	ND	---	---	---
	01/29/97		10.85	27.62	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		13.56	24.91	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		11.80	26.67	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97		12.20	26.27	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		10.12	28.35	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		13.50	24.97	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		10.20	28.27	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98		11.50	26.97	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99		10.15	28.32	ND<50	0.32	0.38	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99		11.50	26.97	ND<50	ND<0.3	ND<0.3	ND<0.3	0.58	ND<5	---	---

Table 1
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ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-5	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0	---	---
(Cont'd)	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.2*	---	---
	09/23/02	P		12.55	25.92	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.50	1.30	1.0	6.7
	12/09/02	P		12.60	25.87	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	1.9	6.6
	02/11/03[e]	P		11.37	27.10	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.97	1.2	6.7
	06/27/03	P		11.55	26.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.98	1.5	6.8
	09/04/03	**P**		**12.21**	**26.26**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**0.50**	**3.1**	**7.0**

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Hayward, California

Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
A-6	12/24/91	39.07	16.88	22.19	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---
	03/10/92		13.73	25.34	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---
	06/09/92		14.95	24.12	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---
	09/14/92		16.20	22.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/12/92		16.35	22.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	02/11/93		13.04	26.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	04/14/93		12.23	26.84	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/12/93		14.18	24.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	10/26/93		14.85	24.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	05/03/94		13.66	25.41	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/17/94	38.78	14.34	24.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/18/94		13.76	25.02	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	09/26/95		12.56	26.22	ND	ND	ND	ND	ND	---	---	---
	12/06/95		13.18	25.60	ND	ND	ND	ND	ND	---	---	---
	02/14/96		12.46	26.32	ND	ND	ND	ND	ND	---	---	---
	10/29/96		12.40	26.38	50	ND	ND	ND	ND	---	---	---
	01/29/97		13.85	24.93	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		12.49	26.29	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		12.10	26.68	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97		15.20	23.58	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		13.80	24.98	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		12.45	26.33	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		10.30	28.48	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98		11.10	27.68	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99		10.40	28.38	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99		13.80	24.98	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---

Table 1
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ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-6	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.7	---	---
(Cont'd)	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50*	---	---
	09/23/02	P		12.61	26.17	ND<50	ND<0.500	ND<0.500	ND<0.500	ND<1.50	ND<0.500	1.4	6.8
	12/09/02	P		12.67	26.11	ND<50	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	2.6	6.7
	02/11/03[e]	P		11.21	27.57	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	6.7
	06/27/03	P		11.60	27.18	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.0	6.9
	09/04/03	**P**		**12.29**	**26.49**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.8**	**6.9**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled	Casing 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)	DO (mg/L)	pH
A-7	12/24/91	39.95	18.11	21.84	10,000	88	16	170	610	---	---	---
	03/10/92		15.30	24.65	320	9.3	0.54	8.8	34	---	---	---
	06/09/92		16.12	23.83	340	11	1.1	8.9	26	---	---	---
	09/14/92		17.35	22.60	510	12	ND<2.0	30	51	---	---	---
	11/12/92		17.47	22.48	760	17	0.83	50	73	---	---	---
	02/11/93		13.80	26.15	260	20	1.0	11	21	---	---	---
	04/14/93		13.60	26.35	1,300	89	2.1	48	87	---	---	---
	08/12/93		15.54	24.41	360	9.0	ND<0.50	13	9.0	---	---	---
	10/26/93		16.28	23.67	99	1.7	ND<0.50	4.0	3.0	---	---	---
	02/17/94	39.38	14.44	24.94	1,300	38	ND<1	35	25	---	---	---
	05/03/94		14.34	25.04	330	8.1	ND<0.5	7.8	3.7	---	---	---
	08/17/94	39.45	15.40	24.05	350	2.2	ND<0.5	9.6	3.6	---	---	---
	11/18/94		14.95	24.50	412	1.3	ND<0.5	6.2	2	---	---	---
	09/26/95	39.38	13.92	25.46	ND	ND	ND	ND	ND	---	---	---
	12/06/95		14.42	24.96	ND	ND	ND	ND	ND	---	---	---
	02/14/96		12.38	27.00	ND	ND	1.1	ND	0.59	---	---	---
	10/29/96		12.33	27.05	ND	ND	ND	ND	ND	---	---	---
	01/29/97		13.10	26.28	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97		11.70	27.68	ND<20	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97		13.25	26.13	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97		14.42	24.96	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98		13.00	26.38	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98		11.65	27.73	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98		11.20	28.18	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98		13.75	25.63	51	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99		14.45	24.93	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99		13.74	25.64	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-7	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.8	---	---
(Cont'd)	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.2*	---	---
	09/23/02	P		13.78	25.60	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.50	3.48	0.8	6.7
	12/09/02	P		13.97	25.41	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	2.2	6.8
	02/11/03[e]	P		12.35	27.03	54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	21	1.7	6.3
	06/27/03	P		12.95	26.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.4	1.3	6.8
	09/04/03	**P**		**13.59**	**25.79**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**3.4**	**2.6**	**6.9**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-8	09/14/92		37.23	14.19	23.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/12/92			14.35	22.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	02/11/93			11.25	25.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	04/14/93			12.33	24.90	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/12/93			12.41	24.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	10/26/93			13.02	24.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	02/17/94		36.76	11.47	25.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	05/03/94			11.35	25.41	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/17/94		36.84	12.34	24.50	ND<50	ND<0.5	1.7	ND<0.5	1.4	---	---	---
	11/18/94			11.90	24.94	ND<50	1.0	ND<0.5	ND<0.5	ND<0.5	---	---	---
	09/26/95		36.76	10.94	25.82	ND<50	ND	ND	ND	ND	---	---	---
	12/06/95			11.42	25.34	ND<50	ND	ND	ND	ND	---	---	---
	02/14/96			8.80	27.96	ND<50	ND	0.48	ND	ND	---	---	---
	10/29/96			11.30	25.46	ND<50	ND	ND	ND	ND	---	---	---
	01/29/97			7.60	29.16	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97			10.54	26.22	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97			11.20	25.56	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97			12.14	24.62	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98			4.43	32.33	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98			10.55	26.21	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98			9.07	27.69	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98			12.12	24.64	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99			9.60	27.16	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99			9.08	27.68	ND<50	ND<0.3	ND<0.3	ND<0.3	1.5	ND<5	---	---
	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.6	---	---
	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50*	---	---
	09/23/02	P		10.75	26.01	ND<50	ND<0.500	ND<0.500	ND<0.500	ND<1.50	ND<0.500	1.0	6.8
	12/09/02	P		10.81	25.95	ND<50	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	2.1	6.6
	02/11/03[e]	P		9.90	26.86	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4	6.5
	06/27/03	P		9.73	27.03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	6.8
	09/04/03	**P**		**10.32**	**26.44**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**3.1**	**6.9**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-9	09/14/92		38.71	16.12	22.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/12/92			16.29	22.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	02/11/93			12.31	26.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	04/14/93			12.01	26.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/12/93			13.90	24.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	10/26/93			14.86	23.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	02/17/94		38.19	12.99	25.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/17/94			14.03	24.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/18/94		37.24	13.44	23.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	09/26/95			12.43	25.81	ND<50	ND<0.5	ND	ND	ND	---	---	---
	12/06/95		38.19	13.14	25.05	ND<50	ND<0.5	ND	ND	ND	---	---	---
	02/14/96			9.05	29.14	ND<50	ND	1.8	0.49	0.82	---	---	---
	10/29/96			12.85	25.34	ND<50	ND	ND	ND	ND	---	---	---
	01/29/97			9.02	29.17	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/30/97			12.05	26.14	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<50	---	---
	07/31/97			12.18	26.01	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	10/22/97			7.45	30.74	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	01/28/98			21.25	16.94	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98			12.10	26.09	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98			10.40	27.79	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98			1.55	24.64	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99			12.05	26.14	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99			7.43	30.76	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.3	---	---
	04/24/02			---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50*	---	---
	09/23/02	P		12.35	25.84	ND<50	ND<0.500	ND<0.500	ND<0.500	ND<1.50	ND<0.500	1.6	6.8
	12/09/02	P		12.37	25.82	ND<50	ND<0.500	ND<0.500	ND<0.500	ND<1.00	ND<5.00	3.2	7.1
	02/11/03[e]	P		10.97	27.22	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.0	6.7
	06/27/03	P		11.41	26.78	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	6.7
	09/04/03	**P**		**12.00**	**26.19**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.3**	**6.9**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California

Well Number	Date Sampled		Casing 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)	DO (mg/L)	pH
A-10	12/07/92		38.94	16.81	22.13	660	30	ND<2.5	ND<2.5	ND<2.5	---	---	---
	02/11/93			13.15	25.79	210	ND<0.5	0.97	ND<0.5	ND<0.5	---	---	---
	04/14/93			12.19	26.75	770	ND<0.5	3.0	0.76	1.9	---	---	---
	08/12/93			14.87	24.07	390	ND<0.5	ND<0.5	ND<0.5	0.84	---	---	---
	10/26/93			15.65	23.29	290	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	02/17/94		38.66	14.16	24.50	52	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	05/03/94			14.00	24.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	08/17/94		38.72	15.08	23.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	11/18/94			14.68	24.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	09/26/95		38.66	13.58	25.08	ND	ND	ND	ND	ND	---	---	---
	12/06/95			14.24	24.42	ND	ND	ND	ND	ND	---	---	---
	02/14/96			6.70	31.96	ND	ND	ND	ND	ND	---	---	---
	10/29/96			14.10	24.56	ND	ND	ND	ND	1.1	---	---	---
	01/29/97			11.20	24.46	ND<50	0.41	4.8	0.6	4.4	37	---	---
	04/30/97			12.66	26.00	ND<20	0.40	4.2	0.5	3.8	50	---	---
	07/31/97			13.20	25.46	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/22/98			12.60	26.06	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	07/08/98			8.08	30.58	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	10/22/98			11.15	27.51	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/13/99			9.60	29.06	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<20	---	---
	04/29/99			11.15	27.51	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.5	ND<5	---	---
	01/15/02			---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	---	---
	04/24/02			---	---	NS	NS	NS	NS	NS	NS	---	---
	09/23/02			DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS
	12/19/02	P		12.75	25.91	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (c)	---	---
	02/11/03[e]	P		12.21	26.45	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.9	1.3	6.7
	06/27/03	P		12.66	26.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.99	0.8	7.2
	09/04/03	**P**		**13.31**	**25.35**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	1.1	**0.9**	**6.9**

Table 1
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ARCO Service Station #5387
20200 Hesperian Blvd.
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TPH	= Total Petroleum Hydrocarbons analyzed using EPA Method 8015B Modified (prior to 2/11/03).
MTBE	= Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted (prior to 2/11/03).
DO	= Dissolved oxygen
ND <	= Not detected at or above the laboratory reporting limits.
P	= Purge
NP	= No Purge
" --- "	= Not analyzed/Not Measured/Not available
µg/L	= Micrograms per liter
mg/L	= Milligrams per liter
*	= Analyzed by EPA Method 8260B.
^	= Analytical results as measured by EPA Methods 8020 / 8260.
(a)	= well inaccessible
(b)	= The analyte concentration may be artificially elevated due to coeluting compounds or components.
(c)	= The closing calibration was outside acceptance limits by 2%. This should be considered in evaluating the results. The average % difference for all analytes met the 15% requirement and the QC suggests that the calibration linearity is not a factor.
(d)	= Estimated value. The reported value exceeds the calibration range of the analysis.
(e)	= TPH-g, BTEX, and MTBE analyzed by EPA method 8260 B beginning first quarter monitoring event (2/11/03)
(f)	= Unable to gauge because the bolt was warped on the well head
Source	=The data in this table prior to September 2002 was provided to URS by Group Environmental Management Company and its previous consultants. URS has not verified the accuracy of this data

Table 2

Groundwater Flow Direction and Gradient

ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
04/24/02	-	-
09/23/02	West	0.004
12/09/02	West	0.003
02/11/03	West	0.007
06/27/03	West	0.005
09/04/03	**West**	**0.005**

Table 3

Fuel Oxygenate Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, 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	02/11/03	ND<100	ND<20	76	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<1,000	ND<200	170	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	09/04/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-2	02/11/03	ND<100	ND<20	71	ND<0.50	ND<0.50	13	NA	NA
	06/27/03	ND<100	ND<20	45	ND<0.50	ND<0.50	5.4	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**28**	**ND<0.50**	**ND<0.50**	**3.8**	**ND<0.50**	**ND<0.50**
MW-3	02/11/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	0.61	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
A-4	02/11/03	ND<100	ND<20	0.53	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
A-5	02/11/03	ND<100	ND<20	0.97	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	0.98	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
A-6	02/11/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**

Table 3

Fuel Oxygenate Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, 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)
A-7	02/11/03	ND<100	ND<20	21	ND<0.50	6.5	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	9.4	ND<0.50	ND<0.50	2.1	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**3.4**	**ND<0.50**	**ND<0.50**	**0.86**	**ND<0.50**	**ND<0.50**
A-8	02/11/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
A-9	02/11/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
A-10	02/11/03	ND<100	ND<20	1.9	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100 (a)	ND<20	0.99	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**ND<100**	**ND<20**	**1.1**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
AR-1	02/11/03	ND<100	ND<20	4.7	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100 (a)	ND<20	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/04/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
AR-2	02/11/03	ND<100	ND<20	0.75	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/27/03	ND<100 (a)	ND<20	6.0	ND<0.50	ND<0.50	2.6	ND<0.50	ND<0.50
	09/04/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Table 3

Fuel Oxygenate Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, California

Note:
All fuel oxygenate compounds analyzed using EPA Method 8260B

Abbreviations:

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	= Data not available, not analyzed, or not applicable
NS	= Not sampled
(a)	= The continuing calibration verification was outside of client contractual acceptance limits by 11.7% low. However, it was within method acceptance limits. The data should be useful for its intended purpose.

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 # 030904-MN3 Date 9/4/07 Client Arco 5387

Site 20200 Hesperian Blvd.

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	2	unable to gauge (Bolt warped)						TOC	6 ft cl
MW-2	2					11.34	28.39		
MW-3	2					9.85	27.98		
A-4	3	unable to gauge (parked over)							
A-5	3					12.21	29.52		
A-6	3					12.29	34.40		
A-7	3					13.59	35.03		
A-8	2					10.32	33.45		
A-9	2					12.00	33.13		
A-10	2					13.31	33.33		
AR-1	6	unable to gauge (Bolt warped)							
AR-2	6	unable to gauge (Bolt warped)							

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # Arco 5383
Sampler: MM	Date: 9/4/03
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.39	Depth to Water: 11.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

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

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

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

2.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1812	66.9	6.4	1046	2.6	cloudy, brown, odor
1819	67.5	6.4	1027	5.2	clear, strong odor
1822	67.3	6.9	1026	7.8	slightly cloudy, odor

Did well dewater? Yes (No) Gallons actually evacuated: 7.8

Sampling Time: 1827 Sampling Date: 9/4/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: DIPE + Ethanol (all by 8260)

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # ARCO 5383
Sampler: MM	Date: 9/4/03
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 27.98	Depth to Water: 9.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

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

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

Top of Screen: ___

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

2.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 8.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1653	68.7	6.9	1056	2.9	cloudy, brown
1701	69.0	6.9	1003	5.8	cloudy, light brown
1704	68.9	6.9	1041	8.7	" "

Did well dewater? Yes (No) Gallons actually evacuated: 8.7

Sampling Time: 1709 Sampling Date: 9/4/03

Sample I.D.: MW-3 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: DO, O&G + Ethanol (all by 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.0 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # Arco 5385
Sampler: MM	Date: 9/4/03
Well I.D.: MW-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

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

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

Top of Screen: ___

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	unable to sample				
	⇒ parked over				

Did well dewater? Yes No		Gallons actually evacuated:	—
Sampling Time: —		Sampling Date: 9/4/03	
Sample I.D.: MW-4		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol (all 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 #: 030904-MM3	Station # ARCO 5362
Sampler: MM	Date: 9/4/03
Well I.D.: A-5	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 29.52	Depth to Water: 12.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ____

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

6.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 19.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1744	66.9	7.3	977	6.4	slightly cloudy
1751	66.4	7.3	987	12.8	clear
1758	66.3	7.0	994	19.2	clear

Did well dewater? Yes (No) Gallons actually evacuated: 19.2

Sampling Time: 1803 Sampling Date: 9/4/03

Sample I.D.: A-5 Laboratory: Pace (Sequoia) Other ____

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

D.O. (if req'd): Pre-purge: ____ mg/L Post-purge: 3.1 mg/L

O.R.P. (if req'd): Pre-purge: ____ mV Post-purge: ____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # ARCO 5383
Sampler: MM	Date: 9/4/03
Well I.D.: A-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.40	Depth to Water: 12.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

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

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

Top of Screen: ___

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

~~3.5~~ 8.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = ~~10.5~~ 24.6 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1725	68.5	7.0	801	8.2	cloudy, brown
1727	66.4	6.9	824	16.4	cloudy, light brown
1729	66.0	6.4	855	24.6	clear

Did well dewater? Yes (No)		Gallons actually evacuated: 24.6	
Sampling Time: 1734		Sampling Date: 9/4/03	
Sample I.D.: A-6		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: 8x45 + Ethanol (all by 8260)		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	2.3 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # ARCO 5285
Sampler: MM	Date: 9/4/03
Well I.D.: A-7	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 35.03	Depth to Water: 13.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

7.9	X	3	=	23.7 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1427	73.2	6.8	1080	8.0	Clear
1429	71.0	6.9	1082	16.0	clear
1431	70.6	6.9	1085	24.0	clear

Did well dewater? Yes (No)		Gallons actually evacuated: 24.0	
Sampling Time: 1431		Sampling Date: 9/4/03	
Sample I.D.: A-7		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D		Other: OXYS + Ethanol (all by 8260)	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	2.6 mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # Arco 5380
Sampler: MM	Date: 9/4/03
Well I.D.: A-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.45	Depth to Water: 10.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

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

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

Top of Screen: ___

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

3.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 11.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1631	68.8	7.0	1017	3.7	cloudy, brown
1635	68.5	6.9	1006	7.4	Slightly cloudy
1639	68.2	6.9	1010	11.1	Slightly cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 11.1

Sampling Time: 1643 Sampling Date: 9/4/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol (all by 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	~~0.4~~ 3.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # Arco 5385
Sampler: MM	Date: 9/4/03
Well I.D.: A-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.13	Depth to Water: 12.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

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

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

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

3.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 10.2 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1525	70.6	7.0	862	3.4	cloudy, brown, silty
1529	69.0	6.8	851	6.8	cloudy, brown
1523	68.8	6.9	855	10.2	slightly cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 10.2

Sampling Time: 1527 Sampling Date: 9/4/03

Sample I.D.: A-9 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol (all by 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	2.3 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030904-MM3	Station # Arco 538
Sampler: MM	Date: 9/4/03
Well I.D.: A-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.31	Depth to Water: 3 3.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

3.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1603	69.1	7.1	1149	3.2	cloudy, debris in H2O
1606	68.4	6.9	1089	6.4	" "
1609	68.0	6.9	1064	9.6	slightly cloudy, debris in H2O

Did well dewater? Yes (No) Gallons actually evacuated: 9.6

Sampling Time: 1614 Sampling Date: 9/4/03

Sample I.D.: A-10 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol (all by 8260)

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030704-MM3	Station # ARCO 5383
Sampler: MM	Date: 9/4/03
Well I.D.: AR-1	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Unable to Sample				
	(Bolts warped				
		looks melted			

Did well dewater? Yes No		Gallons actually evacuated: —	
Sampling Time: —		Sampling Date: 9/4/03	
Sample I.D.: AR-1		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys + Ethanol (all 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 #: 030904-MM3	Station # ARCO 5283
Sampler: MM	Date: 9/4/03
Well I.D.: MW-2	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Unable to sample				
	(Bolts warped				
	lost melted				

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: — Sampling Date: 9/4/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: DX45 + Ethanol (all 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 #: 030704-MM3	Station # Arco 5382
Sampler: MM	Date: 9/4/03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	unable to sample				
	⇒ bolt warped. concrete				
	↳ looks melted				

Did well dewater? Yes / No		Gallons actually evacuated: —	
Sampling Time: —		Sampling Date: 9/4/03	
Sample I.D.: MW-1		Laboratory: Pace (Sequoia) Other _____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D		Other: DX4S + Ethanol (all 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

WELLHEAD INSPECTION CHECKLIST

Client Arco 5387 Date 9/4/07

Site Address 20200 Hesperian Blvd., Hayward

Job Number 070904-MA3 Technician MA

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				MA			X	MA
MW-2								X
MW-3				X				X
A-4							X	
A-5								X
A-6								X
A-7								X
A-8								X
A-9								X
A-10	MA			X	MA			
AR-1							X	
AR-2							X	

NOTES:

Chain of Custody Record

bp

Project Name 5387GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT
Date: 7/4/03

On-site Time: 1300 Temp: 75
Off- site Time: 1845 Temp: 75
Sky Conditions: Blue Skies
Meteorological Events:
Wind Speed: [redacted] 5° Direction: SW

end To:	BP/GEM Facility No.: ARCO 5387	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 20200 Hesperian Blvd, HAYWARD, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 5387	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #:	Consultant/Contractor Project No.: J5-00005387.01 00427
Lab PM Theresa Allen	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50591

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015/8021 or 8260)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	A-5	1803		X				3				X	X				X		X	
2	A-6	1754		X				3				X	X				X		X	
3	A-7	1736		X				3				X	X				X		X	
4	A-8	1643		X				3				X	X				X		X	
5	A-9	1527		X				3				X	X				X		X	
6	A-10	1614		X				3				X	X				X		X	
7	MW-2	1827		X				3				X	X				X		X	
8	MW-3	1709		X				3				X	X				X		X	
9	Temp Blank			X				1												
10	Trip Blank			X				2												"ON HOLD"

Sampler's Name: Mike McNamara	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech Services	[signature] / BTS					
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

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

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

BP COC Rev. 1 2/5/02

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

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

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

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

Arco 5387
Station #

20200 Hesperian Blvd., Hayward
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

115

added equip. rinse water 10

any other adjustments —

TOTAL GALS. RECOVERED 125

loaded onto BTS vehicle # 22

BTS event #	time	date
D30904-MM3	1845	9/4/03

signature

* *

REC'D AT	time	date
BTS	—	9/4/03

unloaded by
signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals 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.

Sequoia Analytical

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

19 September, 2003

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

RE: ARCO #5387, Hayward, CA
Work Order: MMI0155

Enclosed are the results of analyses for samples received by the laboratory on 09/05/03 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-5	MMI0155-01	Water	09/04/03 18:03	09/05/03 17:00
A-6	MMI0155-02	Water	09/04/03 17:34	09/05/03 17:00
A-7	MMI0155-03	Water	09/04/03 17:36	09/05/03 17:00
A-8	MMI0155-04	Water	09/04/03 16:43	09/05/03 17:00
A-9	MMI0155-05	Water	09/04/03 15:27	09/05/03 17:00
A-10	MMI0155-06	Water	09/04/03 16:14	09/05/03 17:00
MW-2	MMI0155-07	Water	09/04/03 18:27	09/05/03 17:00
MW-3	MMI0155-08	Water	09/04/03 17:09	09/05/03 17:00
Trip Blank	MMI0155-09	Water	09/04/03 00:00	09/05/03 17:00

There were custody seals received with this project.

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-5 (MMI0155-01) Water Sampled: 09/04/03 18:03 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.50**	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		*93.6 %*	*78-129*		"	"	"	"	
A-6 (MMI0155-02) Water Sampled: 09/04/03 17:34 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	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		*92.0 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-7 (MMI0155-03) Water Sampled: 09/04/03 17:36 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.4**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**0.86**	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		*89.4 %*	*78-129*		"	"	"	"	
A-8 (MMI0155-04) Water Sampled: 09/04/03 16:43 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	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		*91.2 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-9 (MMI0155-05) Water Sampled: 09/04/03 15:27 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	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		*91.6 %*	*78-129*		"	"	"	"	
A-10 (MMI0155-06) Water Sampled: 09/04/03 16:14 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.1**	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		*93.0 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MMI0155-07) Water Sampled: 09/04/03 18:27 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**28**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**3.8**	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)	**500**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*78-129*		"	"	"	"	
MW-3 (MMI0155-08) Water Sampled: 09/04/03 17:09 Received: 09/05/03 17:00									
Ethanol	ND	100	ug/l	1	3I16025	09/16/03	09/17/03	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		*91.2 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

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 3I16025 - EPA 5030B P/T										
Blank (3I16025-BLK1)				Prepared & Analyzed: 09/16/03						
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	*4.38*		"	*5.00*		*87.6*	*78-129*			
Laboratory Control Sample (3I16025-BS1)				Prepared & Analyzed: 09/16/03						
Ethanol	164	100	ug/l	200		82.0	31-186			
tert-Butyl alcohol	52.2	20	"	50.0		104	0-206			
Methyl tert-butyl ether	9.79	0.50	"	10.0		97.9	63-137			
Di-isopropyl ether	9.70	0.50	"	10.0		97.0	76-130			
Ethyl tert-butyl ether	9.55	0.50	"	10.0		95.5	61-141			
tert-Amyl methyl ether	9.62	0.50	"	10.0		96.2	56-140			
1,2-Dichloroethane	10.0	0.50	"	10.0		100	77-136			
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	77-132			
Benzene	9.90	0.50	"	10.0		99.0	78-124			
Toluene	10.6	0.50	"	10.0		106	78-129			
Ethylbenzene	10.4	0.50	"	10.0		104	84-117			
Xylenes (total)	32.4	0.50	"	30.0		108	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.59*		"	*5.00*		*91.8*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

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 3I16025 - EPA 5030B P/T										
Laboratory Control Sample (3I16025-BS2)				Prepared & Analyzed: 09/16/03						
Methyl tert-butyl ether	8.68	0.50	ug/l	10.1		85.9	63-137			
Benzene	5.29	0.50	"	6.48		81.6	78-124			
Toluene	34.2	0.50	"	29.7		115	78-129			
Ethylbenzene	7.87	0.50	"	7.20		109	84-117			
Xylenes (total)	40.0	0.50	"	33.7		119	83-125			
Gasoline Range Organics (C6-C10)	445	50	"	440		101	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.61*		"	*5.00*		*92.2*	*78-129*			
Laboratory Control Sample Dup (3I16025-BSD1)				Prepared & Analyzed: 09/16/03						
Ethanol	146	100	ug/l	200		73.0	31-186	11.6	37	
tert-Butyl alcohol	50.0	20	"	50.0		100	0-206	4.31	22	
Methyl tert-butyl ether	9.88	0.50	"	10.0		98.8	63-137	0.915	13	
Di-isopropyl ether	9.71	0.50	"	10.0		97.1	76-130	0.103	9	
Ethyl tert-butyl ether	9.60	0.50	"	10.0		96.0	61-141	0.522	9	
tert-Amyl methyl ether	9.52	0.50	"	10.0		95.2	56-140	1.04	12	
1,2-Dichloroethane	9.75	0.50	"	10.0		97.5	77-136	2.53	13	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132	0.939	9	
Benzene	9.94	0.50	"	10.0		99.4	78-124	0.403	12	
Toluene	10.9	0.50	"	10.0		109	78-129	2.79	10	
Ethylbenzene	11.0	0.50	"	10.0		110	84-117	5.61	10	
Xylenes (total)	33.7	0.50	"	30.0		112	83-125	3.93	11	
Surrogate: 1,2-Dichloroethane-d4	*4.55*		"	*5.00*		*91.0*	*78-129*			
Laboratory Control Sample Dup (3I16025-BSD2)				Prepared & Analyzed: 09/16/03						
Methyl tert-butyl ether	8.53	0.50	ug/l	10.1		84.5	63-137	1.74	13	
Benzene	5.47	0.50	"	6.48		84.4	78-124	3.35	12	
Toluene	35.3	0.50	"	29.7		119	78-129	3.17	10	
Ethylbenzene	8.26	0.50	"	7.20		115	84-117	4.84	10	
Xylenes (total)	41.5	0.50	"	33.7		123	83-125	3.68	11	
Gasoline Range Organics (C6-C10)	485	50	"	440		110	70-113	8.60	9	
Surrogate: 1,2-Dichloroethane-d4	*4.63*		"	*5.00*		*92.6*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MMI0155
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/19/03 15:51

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 5387GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 9/4/03 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 1300	Temp: 75
Off- site Time: 1845	Temp: 75
Sky Conditions: Blue Skies	
Meteorological Events:	
Wind Speed: 5	Direction: SW

Send To:	BP/GEM Facility No.: ARCO 5387	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 20200 Hesperian Blvd, HAYWARD, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 5387	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna.cosper@URSCorp.com
	California Global ID #:	Consultant/Contractor Project No.: 15-00005387.01 00427
Lab PM: Theresa Allen	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50591

Lab Bottle Order No: MHD155

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX 8015/8021 or 8260	Requested Analysis: TPH -D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	A-5	1303		X			01	3				X	X				X		X	
2	A-6	1754		X			02	3				X	X				X		X	
3	A-7	1736		X			03	3				X	X				X		X	
4	A-8	1643		X			04	3				X	X				X		X	
5	A-9	1527		X			05	3				X	X				X		X	
6	A-10	1614		X			06	3				X	X				X		X	
7	MW-2	1827		X			07	3				X	X				X		X	
8	MW-3	1709		X			08	3				X	X				X		X	
9	Temp Blank			X				1												
10	Trip Blank			X			09	2												"ON HOLD"

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Mike McNamara						
Sampler's Company: Blaine Tech Services	BTS	9/5/03	1344		9/5/03	1344
Shipment Date:		9/5/03	1700		9/5/03	1700
Shipment Method:						
Shipment Tracking No:						

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

Custody Seals In Place Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt 3 °F/C Trip Blank Yes X No ___

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): EB
WORKORDER: 0309155

DATE REC'D AT LAB: 9-5-03
TIME REC'D AT LAB: 1700
DATE LOGGED IN: 9-6-03

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present / Absent) (Intact / Broken*)			A-5	3 voas	HCl	W	9-4-03	320 5090
			6	↓	↓	↓	↓	
2. Chain-of-Custody (Present / Absent*)			7					
3. Traffic Reports or Packing List: Present / Absent			8					
			9					
4. Airbill: Airbill / Sticker (Present / Absent)			10					
			MW-2					
5. Airbill #:			3	↓				
6. Sample Labels: (Present / Absent)			TB	2 voas				
7. Sample IDs: (Listed / Not Listed on Chain-of-Custody)								
8. Sample Condition: (Intact / Broken* / Leaking*)								
9. Does information on custody reports, traffic reports and sample labels agree? (Yes / No*)								
10. Sample received within hold time: (Yes / No*)								
11. Proper Preservatives used: (Yes / No*)								
12. Temp Rec. at Lab: 9°C Is temp 4 +/-2°C? (Yes / No**)								

(Acceptance range for samples requiring thermal pres.)

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

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

09/26/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #5387, Hayward, CA
Work Order Number:	MMI0155
Global ID:	T0600101368
Lab Report Number:	MMI0155091920031551

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMI01550919200 31551	A-10	MMI015506	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	A-5	MMI015501	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	A-6	MMI015502	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	A-7	MMI015503	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	A-8	MMI015504	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	A-9	MMI015505	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	MW-2	MMI015507	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
MMI01550919200 31551	MW-3	MMI015508	W	CS	8260TPH	SW5030B	09/04/03	09/16/03	09/17/03	3I16025	1	
		3I16025BSD1	WQ	BD1	8260TPH	SW5030B	/ /	09/16/03	09/16/03	3I16025	1	
		3I16025BSD2	WQ	BD2	8260TPH	SW5030B	/ /	09/16/03	09/16/03	3I16025	1	
		3I16025BS1	WQ	BS1	8260TPH	SW5030B	/ /	09/16/03	09/16/03	3I16025	1	
		3I16025BS2	WQ	BS2	8260TPH	SW5030B	/ /	09/16/03	09/16/03	3I16025	1	
		3I16025BLK1	WQ	LB1	8260TPH	SW5030B	/ /	09/16/03	09/16/03	3I16025	1	

EDFSAMP: Error Summary Log

09/26/03

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

EDFTEST: Error Summary Log

09/26/03

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

EDFRES: Error Summary Log

09/26/03

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

EDFQC: Error Summary Log

09/26/03

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

EDFCL: Error Summary Log

09/26/03

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

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Confirmation Number: 8935682833
Date/Time of Submittal: 9/26/2003 4:48:53 PM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: Third Quarter 03 Ground Water Monitoring Site #5387
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

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Confirmation Number: 8568984091
Date/Time of Submittal: 9/29/2003 9:31:23 AM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: Second Quarter 03 Groundwater Monitoring Report for site #5387
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

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Submittal Title:	**Third Quarter 03 Geowell for site #5387**
Submittal Date/Time:	**9/26/2003 4:56:45 PM**
Confirmation Number:	**6458328068**

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Confirmation Number: 8568984091
Date/Time of Submittal: 9/29/2003 9:31:23 AM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: Second Quarter 03 Groundwater Monitoring Report for site #5387
Submittal Type: GW Monitoring Report

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Submittal Date/Time:	**9/29/2003 9:47:02 AM**
Confirmation Number:	**6300674259**

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Confirmation Number: 9720730006
Date/Time of Submittal: 9/29/2003 9:48:31 AM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: First Quarter 03 Groundwater Monitoring Report for site # 5387
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

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UPLOADING A GEO_WELL FILE

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Your file has been successfully submitted!

Submittal Title:	**First Quarter 03 Geowell for site #5387**
Submittal Date/Time:	**9/29/2003 9:51:19 AM**
Confirmation Number:	**8241703629**

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