URS

AG

RO 426

Alameda County
APR 21 2003
Environmental Health

April 9, 2003

Mr. Barney Chan
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502

Re: Annual 2003 Groundwater Monitoring Report
Former BP Service Station # 11109
4280 Foothill Boulevard
Oakland, California
URS Project # 38486233

Dear Mr. Chan:

On behalf of the Group Environmental Management Company (a BP affiliated Company), URS Corporation (URS) is submitting the *Annual 2003 Groundwater Monitoring Report* for the Former BP Service Station #11109, located at 4280 Foothill Boulevard, Oakland, California.

If you have any questions regarding this submission, please call me at (510) 874-1720.

Sincerely,

URS CORPORATION

CERTIFIED HYDROGEOLOGIST LEONARD P. NILES NO. HG357 EXP. 3/31/04 STATE OF CALIFORNIA

Leonard P. Niles, R.G./C.H.G.
Senior Geologist

Enclosure: Annual 2003 Groundwater Monitoring Report

cc: Scott Hooton, Group Environmental Management Company, 295 SW 41st Street, Building 13, Suite N, Renton, WA 98055-4931
Ms. Liz Sewell, Conoco Phillips, 76 Broadway, Sacramento, CA 95818

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

REPORT

ANNUAL 2003 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11109
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

Prepared for
BP GEM

April 9, 2003

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

38486233

Date: April 9, 2003

Quarter: 1Q 03

BP ANNUAL GROUNDWATER MONITORING REPORT

Former Facility No.:	11109	Address:	4280 Foothill Boulevard, Oakland, CA
BP Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation / Leonard P. Niles
Consultant Project No.:			38486233
Primary Agency:			Alameda County Department of Environmental Health

WORK PERFORMED THIS PERIOD (First Quarter 2003 to Fourth Quarter 2003):

1. Performed annual 2003 groundwater monitoring event on March 11, 2003.
2. Prepare and submit annual 2003 groundwater monitoring report.

WORK PROPOSED FOR NEXT PERIOD (First Quarter 2004 to Fourth Quarter 2004):

1. Perform annual 2004 groundwater monitoring event.
2. Prepare and submit annual 2004 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-3 and MW-5 annual (March)
Frequency of Groundwater Monitoring:	Annually
Is Free Product (FP) Present On-Site:	Yes (MW-5 – 0.45 ft)
Current Remediation Techniques:	Bail free product annually
Approximate Depth to Groundwater:	9.21 (MW-9) to 13.63 (MW-6) feet
Groundwater Gradient:	Northeast to East
	0.03 to 0.15 feet per foot

DISCUSSION:

TPH-g and benzene were not detected in the one well sampled this quarter. MTBE was detected in one well at a concentration of 6.7 µg/L (MW-3). Well MW-5 was not sampled this quarter, because it contained free product, of which 1.1 liters was removed by bailing. The free product present in MW-5 does not appear to originate from an onsite source.

This site is currently not available to URS in the Geotracker system. Once access is granted, monitoring data for this quarter will be uploaded.

ATTACHMENTS:

- Table 1 - Groundwater Elevation and Analytical Data
- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – March 11, 2003
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – Joint Monitoring Data

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-1	1/31/90	38.19		15.41	---	22.78		---	---	---	---	---	---	---	---	---	---	---
MW-1 (c)	2/5/90	38.19		---	---	---		---	---	---	---	---	---	---	---	---	---	---
MW-2	2/5/90	41.22		21.90	---	19.31		1300	---	14	ND<0.1	9	13	---	---	---	---	SUP
MW-2	2/14/91	41.22		21.16	---	20.06		ND<50	ND<10000	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	51 (d)	---	SUP
MW-2	5/13/91	41.22		21.32	---	19.90		ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	6000	0.5 (e)	---	SUP
MW-2	7/24/91	41.22		22.92	---	18.30		---	---	---	---	---	---	---	---	---	---	---
MW-2	10/3/91	41.22		24.90	---	16.32		ND<50	ND<50	ND<0.3	0.8	ND<0.3	ND<0.3	---	ND<5000	0.7 (e)	---	SUP
MW-2	10/15/91	41.22		24.10	---	17.12		---	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	12/4/91	41.22		---	---	---		---	---	---	---	---	---	---	---	---	---	---
MW-2	12/16/91	41.22		23.95	---	17.27		---	---	---	---	---	---	---	---	---	---	---
MW-2	1/6/92	41.22		23.30	---	17.92		ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	ANA
MW-2	1/22/92	41.22		23.14	---	18.08		---	---	---	---	---	---	---	---	---	---	---
MW-2	1/28/92	41.22		22.99	---	18.23		---	---	---	---	---	---	---	---	---	---	---
MW-2	2/5/92	41.22		22.63	---	18.59		---	---	---	---	---	---	---	---	---	---	---
MW-2	2/12/92	41.22		22.04	---	19.18		---	---	---	---	---	---	---	---	---	---	---
MW-2	2/17/92	41.22		20.84	---	20.38		---	---	---	---	---	---	---	---	---	---	---
MW-2	4/3/92	41.22		18.29	---	22.93		---	---	---	---	---	---	---	---	---	---	---
MW-2	4/8/92	41.22		18.86	---	22.36		ND<50	63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-2	4/14/92	41.22		19.45	---	21.77		---	---	---	---	---	---	---	---	---	---	---
MW-2	4/29/92	41.22		20.35	---	20.87		---	---	---	---	---	---	---	---	---	---	---
MW-2	5/7/92	41.22		20.84	---	20.38		---	---	---	---	---	---	---	---	---	---	---
MW-2	7/3/92	41.22		22.34	---	18.88		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	10/8/92	41.22		23.73	---	17.49		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	12/31/92	41.22		21.12	---	20.10		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	4/21/93	41.22		17.68	---	23.54		ND<50	ND<50 (g)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n) ND<5000	ND	---	PACE
MW-2	7/7/93	41.22		20.30	---	20.92		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n) ---	1.0 (e)	---	PACE
MW-2	9/21/93	41.22		21.93	---	19.29		ND<50	---	0.9	0.7	1	2.6	21.54	(n) ---	---	---	PACE
MW-2	12/17/93	41.22		21.48	---	19.74		---	---	---	---	---	---	---	---	---	---	---
MW-2	12/23/93	41.22		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	(n) ---	---	---	PACE
MW-2	4/7/94	41.22		20.25	---	20.97		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12.2	(n) ---	---	5.9	PACE
MW-2	7/6/94	41.22		20.59	---	20.63		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n) ---	---	3.1	PACE
MW-2	10/7/94	41.22		22.04	---	19.18		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15.2	(n) ---	---	2.8	PACE
MW-2	1/27/95	41.22		26.12	---	15.10		ND<50	440	ND<0.5	ND<0.5	ND<0.5	ND<1	---	ND<5000	---	4.8	ATI

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b) TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-2	3/30/1995	41.22	12.34	---	28.88	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	7.2	ATI
MW-2	6/20/1995	41.22	16.42	---	24.80	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	6.0	ATI
MW-2	10/3/1995	41.22	20.06	---	21.16	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	5.7	ATI
MW-2	12/6/1995	41.22	21.31	---	19.91	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	46	---	---	5.4	ATI
MW-2	3/21/1996	41.22	12.28	---	28.94	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	7.4	SPL
MW-2	6/21/1996	41.22	13.28	---	27.94	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.3	SPL
MW-2	9/6/1996	41.22	13.94	---	27.28	---	---	---	---	---	---	---	---	---	---	---
MW-2	9/9/1996	41.22	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.4	SPL
MW-2	12/19/1996	41.22	12.19	---	29.03	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.9	SPL
MW-2	3/17/1997	41.22	11.59	---	29.63	---	---	---	---	---	---	---	---	---	---	---
MW-2	8/12/1997	41.22	13.21	---	28.01	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/10/1997	41.22	12.34	---	28.88	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/12/1998	41.22	11.04	---	30.18	---	---	---	---	---	---	---	---	---	---	---
MW-2	6/23/1998	41.22	11.77	---	29.45	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/31/1999	41.22	12.38	---	28.84	---	---	---	---	---	---	---	---	---	---	---
MW-2	8/25/1999	41.22	17.72	---	23.50	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/9/2000	41.22	11.94	---	29.28	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/8/2001	41.22	10.31	---	30.91	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/8/2002	41.22	14.35	---	26.87	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/18/2002	41.22	13.11	---	28.11	---	---	---	---	---	---	---	---	---	---	---
MW-2	**3/11/2003**	**41.22**	**13.24**	---	**27.98**	---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)		HVOC (ug/l)	DO (ppm)	LAB
MW-3	2/5/90	40.74		17.45	---	23.29		1400	---	15	ND<2.5	11	8	---		---		---	---	SUP
MW-3	2/14/91	40.74		18.52	---	22.22		320	---	8	ND<0.3	8	1	---		---		---	---	SUP
MW-3	5/13/91	40.74		19.32	---	21.42		640	---	13	ND<0.3	18	1	---		---		---	---	SUP
MW-3	7/24/91	40.74		20.69	---	20.05		---	---	---	---	---	---	---		---		---	---	---
MW-3	10/3/91	40.74		19.47	---	21.27		940	---	21	ND<0.3	23	2.1	---		---		---	---	SUP
MW-3	10/15/91	40.74		20.46	---	20.28		---	---	---	---	---	---	---		---		---	---	---
MW-3	12/4/91	40.74		18.29	---	22.45		---	---	---	---	---	---	---		---		---	---	---
MW-3	12/16/91	40.74		18.34	---	22.40		---	---	---	---	---	---	---		---		---	---	---
MW-3	1/6/92	40.74		18.50	---	22.24		580	---	6.1	1	6	7.1	---		---		---	---	ANA
MW-3	1/22/92	40.74		17.86	---	22.88		---	---	---	---	---	---	---		---		---	---	---
MW-3	1/28/92	40.74		15.84	---	24.90		---	---	---	---	---	---	---		---		---	---	---
MW-3	2/5/92	40.74		17.53	---	23.21		---	---	---	---	---	---	---		---		---	---	---
MW-3	2/12/92	40.74		17.15	---	23.59		---	---	---	---	---	---	---		---		---	---	---
MW-3	2/17/92	40.74		16.18	---	24.56		---	---	---	---	---	---	---		---		---	---	---
MW-3	4/3/92	40.74		14.80	---	25.94		---	---	---	---	---	---	---		---		---	---	---
MW-3	4/8/92	40.74		17.06	---	23.68		1100	---	30	4.6	32	11	---		---		---	---	ANA
MW-3	4/14/92	40.74		15.22	---	25.52		---	---	---	---	---	---	---		---		---	---	---
MW-3	4/29/92	40.74		15.90	---	24.84		---	---	---	---	---	---	---		---		---	---	---
MW-3	5/7/92	40.74		16.35	---	24.39		---	---	---	---	---	---	---		---		---	---	---
MW-3	7/3/92	40.74		17.74	---	23.00		1200	---	38	ND<2.5	24	ND<2.5	---		---		---	---	ANA
MW-3	10/8/92	40.74		19.06	---	21.68		1400	---	31	ND<0.5	25	13	---		---		---	---	ANA
MW-3	12/31/92	40.74		16.61	---	24.13		820	---	12	4.1	13	5.9	---		---		---	---	ANA
QC-1	(h) 12/31/92	---		---	---	---		960	---	11	3.6	10	3.8	---		---		---	---	ANA
MW-3	4/21/93	40.74		14.24	---	26.50		420	---	5.6	ND<0.5	4	1.4	---	(n)	---		---	---	PACE
QC-1	(h) 4/21/93	---		---	---	---		390	---	5.0	ND<0.5	4	1.5	---	(n)	---		---	---	PACE
MW-3	7/7/93	40.13	(i)	15.19	---	24.94		54	---	0.6	0.6	ND<0.5	ND<0.5	12.68	(n)	---		---	---	PACE
MW-3	9/21/93	40.13		16.58	---	23.55		540	---	7.9	0.9	5	2.4	---	(n)	---		---	---	PACE
MW-3	12/17/93	40.13		15.82	---	24.31		---	---	---	---	---	---	---		---		---	---	---
MW-3	12/23/93	40.13		---	---	---		500	---	9.8	1.5	3	2.1	---	(n)	---		---	---	PACE
QC-1	(h) 12/23/93	---		---	---	---		480	---	9.2	ND<0.5	5	5.3	---		---		---	---	PACE
MW-3	4/7/94	40.13		28.50	---	11.63		460	---	20	7.4	9	11	18.2	(n)	---		---	---	PACE
QC-1	(h) 4/7/94	---		---	---	---		460	---	20	7.7	9	11	---		---		---	---	PACE
MW-3	7/6/94	40.13		---	---	---		300	---	10	0.6	2	6.4	5.54	(n)	---		---	4.8	PACE
MW-3	10/7/94	40.13		27.65	---	12.48		620	---	28	ND<0.5	2	12	31.4	(n)	31	(j)	---	4.4	PACE
MW-3	1/27/95	40.13		27.65	---	12.48		---	---	---	---	---	---	---		---		---	---	---
MW-3	3/30/95	40.13		26.05	---	14.08		300	---	10	6.0	3	18	---		---		---	7.6	ATI

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-3	6/20/95	40.13		19.49	---	20.64		170	---	7.2	3.4	1	15	---	---	---	---	ATI
MW-3	10/3/95	40.13		24.93	---	15.20		170	---	2.1	ND<0.50	1	8.0	6.7	---	---	---	ATI
MW-3	12/6/95	40.13		25.14	---	14.99		1700	---	6.7	3.1	3	210	64	---	---	---	ATI
QC-1	(h) 12/6/95	---		---	---	---		1400	---	6.1	3.0	2	190	53	---	---	---	ATI
MW-3	3/21/96	40.13		9.48	---	30.65		ND<50	---	0.5	ND<1	ND<1	1	ND<10	---	---	7.3	SPL
MW-3	6/21/96	40.13		11.60	---	28.53		ND<50	---	13	ND<1	ND<1	ND<1	12	---	---	7.6	SPL
MW-3	9/6/96	40.13		12.23	---	27.90		---	---	---	---	---	---	---	---	---	---	---
MW-3	9/9/96	40.13		---	---	---		ND<250	---	6.5	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---	7.6	SPL
MW-3	12/19/96	40.13		10.46	---	29.67		ND<50	---	4.1	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	8.4	SPL
MW-3	3/17/97	40.13		9.86	---	30.27		50	---	ND<5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.4	SPL
MW-3	8/12/97	40.13		12.11	---	28.02		ND<50	---	0.79	ND<1.0	ND<1.0	ND<1.0	10	---	---	6.1	SPL
MW-3	12/10/97	40.13		10.90	---	29.23		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	3.2	SPL
MW-3	3/12/98	40.13		10.20	---	29.93		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	6.3	SPL
QC-1	(h) 3/12/98	---		---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	SPL
MW-3	6/23/98	40.13		10.17	---	29.96		50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	3.4	SPL
MW-3	3/31/99	40.13		11.45	---	28.68		60	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.2	---	---	---	SPL
MW-3	8/25/99	40.13		12.52	---	27.61		ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	7.7	---	---	---	SPL
MW-3	3/9/00	40.13		12.39	---	27.74		ND<50	---	ND<0.5	0.54	ND<0.5	1.7	6.3	---	---	---	PACE
MW-3	3/8/01	40.13		10.41	---	29.72		ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.59	7.7	---	---	---	PACE
MW-3	3/8/02	40.13		9.83	---	30.30		62	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	11.6	---	---	---	PACE
MW-3	3/18/02	40.13		9.20	---	30.93		---	---	---	---	---	---	---	---	---	---	---
MW-3	**3/11/03**	**40.13**		**10.54**		**29.59**		**ND<50**		**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**6.7**	---	---	---	**SEQ**

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-4	2/5/90	40.11		20.75	---	19.36		620	---	ND<0.5	9	ND<0.5	10	---		---	---	---	SUP
MW-4	2/14/91	40.11		21.73	---	18.38		180	---	ND<0.3	ND<0.3	0.4	2	---		---	---	---	SUP
MW-4	5/13/91	40.11		18.55	---	21.56		72	---	0.7	ND<0.3	ND<0.3	ND<0.3	---		---	---	---	SUP
MW-4	7/24/91	40.11		21.31	---	18.80		---	---	---	---	---	---	---		---	---	---	---
MW-4	10/3/91	40.11		22.57	---	17.54		57	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---		---	---	---	SUP
MW-4	10/15/91	40.11		22.88	---	17.23		---	---	---	---	---	---	---		---	---	---	---
MW-4	12/4/91	40.11		22.54	---	17.57		---	---	---	---	---	---	---		---	---	---	---
MW-4	12/16/91	40.11		22.59	---	17.52		---	---	---	---	---	---	---		---	---	---	---
MW-4	1/6/92	40.11		22.00	---	18.11		480	---	0.8	3.2	2	7.7	---		---	---	---	ANA
MW-4	1/22/92	40.11		21.58	---	18.53		---	---	---	---	---	---	---		---	---	---	---
MW-4	1/28/92	40.11		21.42	---	18.69		---	---	---	---	---	---	---		---	---	---	---
MW-4	2/5/92	40.11		21.10	---	19.01		---	---	---	---	---	---	---		---	---	---	---
MW-4	2/12/92	40.11		20.74	---	19.37		---	---	---	---	---	---	---		---	---	---	---
MW-4	2/17/92	40.11		19.78	---	20.33		---	---	---	---	---	---	---		---	---	---	---
MW-4	4/3/92	40.11		16.80	---	23.31		---	---	---	---	---	---	---		---	---	---	---
MW-4	4/8/92	40.11		17.13	---	22.98		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-4	4/14/92	40.11		17.74	---	22.37		---	---	---	---	---	---	---		---	---	---	---
MW-4	4/29/92	40.11		18.56	---	21.55		---	---	---	---	---	---	---		---	---	---	---
MW-4	5/7/92	40.11		19.10	---	21.01		---	---	---	---	---	---	---		---	---	---	---
MW-4	7/3/92	40.11		20.71	---	19.40		ND<50	---	0.6	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-4	10/8/92	40.11		22.43	---	17.68		270	---	ND<0.5	2.1	3	3.2	---		---	---	---	ANA
MW-4	12/31/92	40.11		19.58	---	20.53		150	---	ND<0.5	ND<0.5	ND<0.5	1.3	---		---	---	---	ANA
MW-4	4/21/93	40.11		17.79	---	22.32		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	---	PACE
MW-4	7/7/93	40.11		18.44	---	21.67		160	---	1.2	5.4	4	19	5.51	(n)	---	---	---	PACE
MW-4	9/21/93	40.11		20.14	---	19.97		71	---	ND<0.5	1.9	ND<0.5	2.1	---	(n)	---	---	---	PACE
MW-4	12/17/93	40.11		19.80	---	20.31		---	---	---	---	---	---	---		---	---	---	---
MW-4	12/23/93	40.11		---	---	---		ND<50	---	3.1	1.6	1	3.8	5.7	(n)	---	---	---	PACE
MW-4	4/7/94	40.11		19.12	---	20.99		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.7	(n)	---	---	6.6	PACE
MW-4	7/6/94	40.11		19.90	---	20.21		62	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	4.1	PACE
MW-4	10/7/94	40.11		20.07	---	20.04		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.38	(n)	---	---	3.6	PACE
MW-4	1/27/95	40.11		13.72	---	26.39		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	2.7	ATI
MW-4	3/30/95	40.11		11.46	---	28.65		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.3	ATI
MW-4	6/20/95	40.11		14.78	---	25.33		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	ATI
MW-4	10/3/95	40.11		19.62	---	20.49		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.0		---	---	5.8	ATI
MW-4	12/6/95	40.11		19.91	---	20.20		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	47		---	---	5.7	ATI
MW-4	3/21/96	40.11		11.12	---	28.99		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	7.8	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-4	6/21/1996	40.11		12.21	---	27.90		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.9	SPL
MW-4	9/6/1996	40.11		12.89	---	27.22		---	---	---	---	---	---	---	---	---	---	---
MW-4	9/9/1996	40.11		---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.2	SPL
MW-4	12/19/1996	40.11		11.01	---	29.10		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	8.4	SPL
MW-4	3/17/1997	40.11		10.42	---	29.69		---	---	---	---	---	---	---	---	---	---	---
MW-4	8/12/1997	40.11		12.77	---	27.34		---	---	---	---	---	---	---	---	---	---	---
MW-4	12/10/1997	40.11		11.22	---	28.89		---	---	---	---	---	---	---	---	---	---	---
MW-4	3/12/1998	40.11		10.81	---	29.30		---	---	---	---	---	---	---	---	---	---	---
MW-4	6/23/1998	40.11		10.61	---	29.50		---	---	---	---	---	---	---	---	---	---	---
MW-4	3/31/1999	40.11		11.46	---	28.65		---	---	---	---	---	---	---	---	---	---	---
MW-4	8/25/1999	40.11		16.16	---	23.95		---	---	---	---	---	---	---	---	---	---	---
MW-4	3/9/2000	40.11		12.23	---	27.88		---	---	---	---	---	---	---	---	---	---	---
MW-4	3/8/2001	40.11		11.04	---	29.07		---	---	---	---	---	---	---	---	---	---	---
MW-4	3/8/2002	40.11		12.73	---	27.38		---	---	---	---	---	---	---	---	---	---	---
MW-4	3/18/2002	40.11		11.62	---	28.49		---	---	---	---	---	---	---	---	---	---	---
MW-4	**3/11/2003**	**40.11**		**13.44**	---	**26.67**		---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-5	10/3/91	39.55		18.08	---	21.47		79000	---	13000	7400	1400	6200	---		---	---	---	SUP
MW-5	10/15/91	39.55		18.55	---	21.00		---	---	---	---	---	---	---		---	---	---	---
MW-5	12/4/91	39.55		18.44	0.13	21.21		---	---	---	---	---	---	---		---	---	---	---
MW-5	12/16/91	39.55		18.66	0.01	20.90		---	---	---	---	---	---	---		---	---	---	---
MW-5	1/6/92	39.55		19.12	0.11	20.51		---	---	---	---	---	---	---		---	---	---	---
MW-5	1/22/92	39.55		14.59	---	24.96		---	---	---	---	---	---	---		---	---	---	---
MW-5	1/28/92	39.55		15.25	---	24.30		---	---	---	---	---	---	---		---	---	---	---
MW-5	2/5/92	39.55		15.58	SHEEN	23.97		---	---	---	---	---	---	---		---	---	---	---
MW-5	2/12/92	39.55		15.54	0.01	24.02		---	---	---	---	---	---	---		---	---	---	---
MW-5	2/17/92	39.55		13.98	SHEEN	25.57		---	---	---	---	---	---	---		---	---	---	---
MW-5	4/3/92	39.55		13.63	0.04	25.95		---	---	---	---	---	---	---		---	---	---	---
MW-5	4/8/92	39.55		13.17	0.01	26.39		---	---	---	---	---	---	---		---	---	---	---
MW-5	4/14/92	39.55		13.45	0.01	26.11		---	---	---	---	---	---	---		---	---	---	---
MW-5	4/29/92	39.55		13.75	0.07	25.85		---	---	---	---	---	---	---		---	---	---	---
MW-5	5/7/92	39.55		16.15	0.04	23.43		---	---	---	---	---	---	---		---	---	---	---
MW-5	7/3/92	39.55		17.67	0.08	21.94		---	---	---	---	---	---	---		---	---	---	---
MW-5	9/1/92	39.55		17.83	0.50	22.10		---	---	---	---	---	---	---		---	---	---	---
MW-5	10/8/92	39.55		17.86	0.92	22.38		---	---	---	---	---	---	---		---	---	---	---
MW-5	12/31/92	39.55		15.20	SHEEN	24.35		---	---	---	---	---	---	---		---	---	---	---
MW-5	4/21/93	39.55		12.64	0.02	26.93		---	---	---	---	---	---	---		---	---	---	---
MW-5	7/7/93	39.14	(i)	12.68	0.82	27.08		---	---	---	---	---	---	---		---	---	---	---
MW-5	9/21/93	39.14		14.35	SHEEN	24.79		---	---	---	---	---	---	---		---	---	---	---
MW-5	12/17/93	39.14		12.61	0.41	26.84		---	---	---	---	---	---	---		---	---	---	---
MW-5	4/7/94	39.14		30.00	---	9.14		66000	---	3000	1700	250	6800	2002	(n)	---	---	---	PACE
MW-5	7/6/94	39.14		---	---	---		29000	---	1900	330	63	2700	1141	(n)	---	---	---	PACE
MW-5	10/7/94	39.14		28.70	---	10.44		250000	---	2600	660	830	5200	37.7	(n)	---	---	4.2	PACE
QC-1	(h) 10/7/94	---		---	---	---		45000	---	2900	540	260	2600	---		---	---	---	PACE
MW-5	1/27/95	39.14		28.70	---	10.44		---	---	---	---	---	---	---		---	---	---	---
MW-5	3/30/95	39.14		28.95	---	10.19		50000	---	7900	2600	520	6400	---		---	---	5.5	ATI
QC-1	(h) 3/30/95	---		---	---	---		43000	---	7900	2500	440	6200	---		---	---	---	ATI
MW-5	6/20/95	39.14		22.54	---	16.60		34000	---	5100	1900	300	3700	---		---	---	---	ATI
QC-1	(h) 6/20/95	---		---	---	---		26000	---	3500	290	ND<25	3300	---		---	---	---	ATI
MW-5	10/3/95	39.14		18.84	---	20.30		12000	---	68	42	11	1600	330		---	---	---	ATI
QC-1	(h) 10/3/95	---		---	---	---		12000	---	46	39	10	1600	320		---	---	---	ATI
MW-5	12/6/95	39.14		19.07	---	20.07		16000	---	1200	93	51	700	600		---	---	---	ATI
MW-5	3/21/96	39.14		7.43	---	31.71		1500	---	89	28	6	250	ND<10		---	---	7.2	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
QC-1 (h)	03/21/1996	---	---	---	---	1900	---	92	30	7	270	ND<10	---	---	---	SPL
MW-5	06/21/1996	39.14	9.87	---		3500	---	740	150	19	400	ND<100	---	---	7.1	SPL
QC-1 (h)	06/21/1996	---	---	---	---	2700	---	680	140	20	400	ND<50	---	---	---	SPL
MW-5	09/06/1996	39.14	10.52	---	28.62	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/09/1996	39.14	---	---	---	82000	---	3100	1700	850	9100	ND<2500	---	---	7.5	SPL
QC-1 (h)	09/09/1996	---	---	---	---	90000	---	2900	1600	670	6900	ND<2500	---	---	---	SPL
MW-5	12/19/1996	39.14	8.62	---	30.52	41000	---	790	820	120	2040	ND<500	---	---	7.7	SPL
QC-1 (h)	12/19/1996	---	---	---	---	26000	---	490	430	63	1140	ND<500	---	---	---	SPL
MW-5	03/17/1997	39.14	8.22	---	30.92	5500	---	1.9	2.4	ND<1.0	ND<1.0	29	---	---	6.4	SPL
QC-1 (h)	03/17/1997	---	---	---	---	6600	---	2.5	2.7	ND<1.0	ND<1.0	28	---	---	---	SPL
MW-5	08/12/1997	39.14	12.18	0.22	27.13	33000	---	6400	2400	680	4400	ND<1000	---	---	6.8	SPL
QC-1 (h)	08/12/1997	---	---	---	---	36000	---	6100	2500	720	4500	ND<500	---	---	---	SPL
MW-5	12/10/1997	39.14	10.78	0.06	28.41	31000	---	3000	2500	560	5100	500	---	---	1.8	SPL
QC-1 (h)	12/10/1997	---	---	---	---	37000	---	2900	2500	440	4800	---	---	---	---	SPL
MW-5	03/12/1998	39.14	10.11	0.22	29.20	100000	---	1600	870	250	2600	ND<250	---	---	6.1	SPL
MW-5	06/23/1998	39.14	10.20	0.02	28.96	27000	---	2500	840	370	2900	ND<250	---	---	2.1	SPL
QC-1 (h)	06/23/1998	---	---	---	---	27000	---	2600	840	400	2950	ND<500	---	---	---	SPL
MW-5 (f)	03/31/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/25/1999	39.14	14.69	0.38	24.75	180000	---	2700	400	830	2800	26	---	---	---	SPL
MW-5	03/09/2000	39.14	14.83	0.60	24.79	53000	---	12000	2600	1900	9100	ND<5.0	---	---	---	PACE
MW-5 (f)	03/08/2001	39.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/08/2002	39.14	11.45	1.50	28.89	33000	---	8240	1080	1010	2900	34.3	---	---	---	PACE
MW-5	03/18/2002	39.14	8.03	---	31.11	---	---	---	---	---	---	---	---	---	---	---
MW-5	**03/11/2003**	**39.14**	**9.60**	**0.45**	29.88	---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)		HVOC (ug/l)	DO (ppm)	LAB
MW-6	10/3/91	41.59		20.73	---	20.86		ND<50	---	0.7	0.8	ND<0.3	1.3	---		---		---	---	SUP
MW-6	10/15/91	41.59		21.20	---	20.39		---	---	---	---	---	---	---		---		---	---	---
MW-6	12/4/91	41.59		21.26	---	20.33		---	---	---	---	---	---	---		---		---	---	---
MW-6	12/16/91	41.59		21.12	---	20.47		---	---	---	---	---	---	---		---		---	---	---
MW-6	1/6/92	41.59		20.29	---	21.30		ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.6	---		---		---	---	ANA
MW-6	1/22/92	41.59		20.12	---	21.47		---	---	---	---	---	---	---		---		---	---	---
MW-6	1/28/92	41.59		20.20	---	21.39		---	---	---	---	---	---	---		---		---	---	---
MW-6	2/5/92	41.59		20.09	---	21.50		---	---	---	---	---	---	---		---		---	---	---
MW-6	2/12/92	41.59		19.15	---	22.44		---	---	---	---	---	---	---		---		---	---	---
MW-6	2/17/92	41.59		18.02	---	23.57		---	---	---	---	---	---	---		---		---	---	---
MW-6	4/3/92	41.59		16.62	---	24.97		---	---	---	---	---	---	---		---		---	---	---
MW-6	4/8/92	41.59		17.06	---	24.53		ND<50	---	0.6	ND<0.5	1	ND<0.5	---		---		---	---	ANA
MW-6	4/14/92	41.59		17.23	---	24.36		---	---	---	---	---	---	---		---		---	---	---
MW-6	4/29/92	41.59		18.12	---	23.47		---	---	---	---	---	---	---		---		---	---	---
MW-6	5/7/92	41.59		18.52	---	23.07		---	---	---	---	---	---	---		---		---	---	---
MW-6	7/3/92	41.59		19.71	---	21.88		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
MW-6	10/8/92	41.59		21.22	---	20.37		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
QC-1	(h) 10/8/92	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
MW-6	12/31/92	41.59		21.33	---	20.26		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
MW-6	4/21/93	41.59		16.45	---	25.14		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---		---	---	PACE
MW-6	7/7/93	41.59		18.68	---	22.91		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28.96	(n)	29	(j)	---	---	PACE
MW-6	9/21/93	41.59		19.64	---	21.95		ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.6	---	(n)	---		---	---	PACE
MW-6	12/17/93	41.59		21.08	---	20.51		---	---	---	---	---	---	---		---		---	---	---
MW-6	12/23/93	41.59		---	---	---		ND<50	---	ND<0.5	0.5	ND<0.5	0.6	13.95	(n)	---		---	---	PACE
MW-6	4/7/94	41.59		21.27	---	20.32		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	35.1	(n)	---		---	6.1	PACE
MW-6	7/6/94	41.59		19.81	---	21.78		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---		---	4.0	PACE
QC-1	(h) 7/6/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	PACE
MW-6	10/7/94	41.59		21.25	---	20.34		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	24.3	(n)	24	(j)	---	3.5	PACE
MW-6	1/27/95	41.59		12.39	---	29.20		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---		---	4.2	ATI
MW-6	3/30/95	41.59		11.34	---	30.25		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---		---	6.1	ATI
MW-6	6/20/95	41.59		15.12	---	26.47		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---		---	---	ATI
MW-6	10/3/95	41.59		20.68	---	20.91		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	66		---		---	6.4	ATI
MW-6	12/6/95	41.59		23.77	---	17.82		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	45		---		---	5.7	ATI
MW-6	3/21/96	41.59		11.55	---	30.04		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	41		---		---	9.1	SPL
MW-6	6/21/96	41.59		12.60	---	28.99		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---		---	8.6	SPL
MW-6	9/6/96	41.59		13.25	---	28.34		---	---	---	---	---	---	---		---		---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-6	9/9/1996	41.59		---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	22/22	(k)	---	---	7.9	SPL
MW-6	12/19/1996	41.59		11.45	---	30.14		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	7.7	SPL
MW-6	3/17/1997	41.59		10.80	---	30.79		---	---	---	---	---	---	---		---	---	---	---
MW-6	8/12/1997	41.59		13.11	---	28.48		---	---	---	---	---	---	---		---	---	---	---
MW-6	12/10/1997	41.59		13.84	---	27.75		---	---	---	---	---	---	---		---	---	---	---
MW-6	3/12/1998	41.59		11.17	---	30.42		---	---	---	---	---	---	---		---	---	---	---
MW-6	6/23/1998	41.59		13.27	---	28.32		---	---	---	---	---	---	---		---	---	---	---
MW-6	3/31/1999	41.59		12.91	---	28.68		---	---	---	---	---	---	---		---	---	---	---
MW-6	8/25/1999	41.59		15.93	---	25.66		---	---	---	---	---	---	---		---	---	---	---
MW-6	3/9/2000	41.59		11.49	---	30.10		---	---	---	---	---	---	---		---	---	---	---
MW-6	3/8/2001	41.59		10.81	---	30.78		---	---	---	---	---	---	---		---	---	---	---
MW-6	3/8/2002	41.59		14.28	---	27.31		---	---	---	---	---	---	---		---	---	---	---
MW-6	3/18/2002	41.59		13.10	---	28.49		---	---	---	---	---	---	---		---	---	---	---
MW-6	**3/11/2003**	**41.59**		**13.63**	---	**27.96**		---	---	---	---	---	---	---		---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-7	10/3/91	40.64		14.93	---	25.71		360	---	62	13	3.4	20	---		---	---	---	SUP
MW-7	10/15/91	40.64		15.16	---	25.48		---	---	---	---	---	---	---		---	---	---	---
MW-7	12/4/91	40.64		15.41	---	25.23		---	---	---	---	---	---	---		---	---	---	---
MW-7	12/16/91	40.64		15.21	---	25.43		---	---	---	---	---	---	---		---	---	---	---
MW-7	1/6/92	40.64		14.56	---	26.08		1100	---	170	ND<0.5	24	23	---		---	---	---	ANA
MW-7	1/22/92	40.64		14.63	---	26.01		---	---	---	---	---	---	---		---	---	---	---
MW-7	1/28/92	40.64		14.73	---	25.91		---	---	---	---	---	---	---		---	---	---	---
MW-7	2/5/92	40.64		14.58	---	26.06		---	---	---	---	---	---	---		---	---	---	---
MW-7	2/12/92	40.64		13.94	---	26.70		---	---	---	---	---	---	---		---	---	---	---
MW-7	2/17/92	40.64		13.10	---	27.54		---	---	---	---	---	---	---		---	---	---	---
MW-7	4/3/92	40.64		12.66	---	27.98		---	---	---	---	---	---	---		---	---	---	---
MW-7	4/8/92	40.64		12.77	---	27.87		750	---	150	ND<0.5	23	9.9	---		---	---	---	ANA
MW-7	4/14/92	40.64		13.02	---	27.62		---	---	---	---	---	---	---		---	---	---	---
MW-7	4/29/92	40.64		13.59	---	27.05		---	---	---	---	---	---	---		---	---	---	---
MW-7	5/7/92	40.64		13.95	---	26.69		---	---	---	---	---	---	---		---	---	---	---
MW-7	7/3/92	40.64		14.73	---	25.91		660	---	210	ND<2.5	33	8	---		---	---	---	ANA
MW-7	10/8/92	40.64		15.75	---	24.89		320	---	49	1.4	13	6.2	---		---	---	---	ANA
MW-7	12/31/92	40.64		13.57	---	27.07		900	---	100	ND<2.5	28	4.3	---		---	---	---	ANA
MW-7	4/21/93	40.64		14.56	---	26.08		510	---	83	1.2	10	5.8	---	(n)	---	---	---	PACE
MW-7	7/7/93	40.32	(i)	13.40	---	26.92		1100	---	160	2.0	27	4.0	10.84	(n)	---	---	---	PACE
QC-1 (h)	7/7/93	---		---	---	---		1100	---	170	1.9	29	2.8	9.84	(n)	---	---	---	PACE
MW-7	9/21/93	40.32		14.40	---	25.92		690	---	150	3.1	26	5.7	---	(n)	---	---	---	PACE
QC-1 (h)	9/21/93	---		---	---	---		640	---	140	1.7	23	2.4	---	(n)	---	---	---	PACE
MW-7	12/17/93	40.32		13.65	---	26.67		---	---	---	---	---	---	---		---	---	---	---
MW-7	12/23/93	40.32		---	---	---		250	---	64	1.2	9	1.8	7.81	(n)	---	---	---	PACE
MW-7	4/7/94	40.32		30.62	---	9.70		140	---	32	1.4	ND<0.5	ND<0.5	6.32	(n)	---	---	---	PACE
MW-7	7/6/94	40.32		16.88	---	23.44		410	---	94	1.3	10	3.5	ND<5.0	(n)	---	---	4.4	PACE
MW-7	10/7/94	40.32		25.59	---	14.73		ND<50	---	9.2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	4.9	PACE
MW-7	1/27/95	40.32		9.82	---	30.50		810	---	570	3	60	17	---		---	---	0	ATI
QC-1 (h)	1/27/95	---		---	---	---		930	---	620	4	77	21	---		---	---	---	ATI
MW-7	3/30/95	40.32		9.15	---	31.17		180	---	65	0.53	2	ND<1.0	---		---	---	7.8	ATI
MW-7	6/20/95	40.32		11.38	---	28.94		2800	---	980	ND<5.0	ND<5.0	43	---		---	---	---	ATI
MW-7	10/3/95	40.32		29.95	---	10.37		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
MW-7	12/6/95	40.32		29.85	---	10.47		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
MW-7	3/21/96	40.32		9.76	---	30.56		1000	---	390	2	40	13	ND<10		---	---	7.4	SPL
MW-7	6/21/96	40.32		11.01	---	29.31		ND<250	---	40	ND<5	ND<5	ND<5	ND<50		---	---	7.4	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b) TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-7	9/6/1996	40.32	11.68	---	28.64	---	---	---	---	---	---	---	---	---	---	---
MW-7	9/9/1996	40.32	---	---	---	ND<250	---	13	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---	7.2	SPL
MW-7	12/19/1996	40.32	10.78	---	29.54	70	---	1.2	ND<1.0	1	ND<1.0	ND<10	---	---	8.3	SPL
MW-7	3/17/1997	40.32	9.96	---	30.36	---	---	---	---	---	---	---	---	---	---	---
MW-7	8/12/1997	40.32	11.44	---	28.88	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/10/1997	40.32	10.42	---	29.90	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/12/1998	40.32	9.51	---	30.81	---	---	---	---	---	---	---	---	---	---	---
MW-7	6/23/1998	40.32	9.98	---	30.34	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/31/1999	40.32	10.38	---	29.94	---	---	---	---	---	---	---	---	---	---	---
MW-7	8/25/1999	40.32	12.38	---	27.94	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/9/2000	40.32	8.48	---	31.84	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/8/2001	40.32	8.37	---	31.95	---	---	---	---	---	---	---	---	---	---	---
MW-7 (f)	3/8/2002	40.32	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/18/2002	40.32	9.94	---	30.38	---	---	---	---	---	---	---	---	---	---	---
MW-7	**3/11/2003**	**40.32**	**11.26**	---	**29.06**	---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-8	10/3/91	38.18	22.37	---	15.81	ND<50	---	ND<0.3	0.6	ND<0.3	0.9	---	---	---	---	SUP
MW-8	10/15/91	38.18	22.70	---	15.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/4/91	38.18	22.44	---	15.74	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/16/91	38.18	22.47	---	15.71	---	---	---	---	---	---	---	---	---	---	---
MW-8	1/6/92	38.18	21.94	---	16.24	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8	1/22/92	38.18	21.44	---	16.74	---	---	---	---	---	---	---	---	---	---	---
MW-8	1/28/92	38.18	21.20	---	16.98	---	---	---	---	---	---	---	---	---	---	---
MW-8	2/5/92	38.18	20.88	---	17.30	---	---	---	---	---	---	---	---	---	---	---
MW-8	2/12/92	38.18	20.54	---	17.64	---	---	---	---	---	---	---	---	---	---	---
MW-8	2/17/92	38.18	19.99	---	18.19	---	---	---	---	---	---	---	---	---	---	---
MW-8	4/3/92	38.18	16.75	---	21.43	---	---	---	---	---	---	---	---	---	---	---
MW-8	4/8/92	38.18	16.57	---	21.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8 (f)	4/14/92	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	4/29/92	38.18	18.61	---	19.57	---	---	---	---	---	---	---	---	---	---	---
MW-8	5/7/92	38.18	18.41	---	19.77	---	---	---	---	---	---	---	---	---	---	---
MW-8	7/3/92	38.18	20.35	---	17.83	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8 (f)	10/8/92	38.18	21.74	---	16.44	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/31/92	38.18	19.09	---	19.09	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8	4/21/93	38.18	18.92	---	19.26	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--- (n)	---	---	---	PACE
MW-8	7/7/93	38.18	17.76	---	20.42	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	---	PACE
MW-8	9/21/93	38.18	19.71	---	18.47	ND<50	---	2.9	2.2	2	7.1	--- (n)	---	---	---	PACE
MW-8	12/17/93	38.18	21.33	---	16.85	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/23/93	38.18	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.6	ND<5.0 (n)	---	---	---	PACE
MW-8	4/7/94	38.18	21.51	---	16.67	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	6.6	PACE
MW-8	7/6/94	38.18	17.41	---	20.77	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	4.4	PACE
MW-8	10/7/94	38.18	19.20	---	18.98	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	3.7	PACE
MW-8	1/27/95	38.18	12.25	---	25.93	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	2.9	ATI
MW-8	3/30/95	38.18	10.35	---	27.83	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	8.3	ATI
MW-8	6/20/95	38.18	13.37	---	24.81	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	6.9	ATI
MW-8 (f)	10/3/95	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/6/95	38.18	18.42	---	19.76	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	47	---	---	5.3	ATI
MW-8 (f)	3/21/96	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	6/21/96	38.18	13.03	---	25.15	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.0	SPL
MW-8	9/6/96	38.18	13.70	---	24.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	9/9/96	38.18	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.0	SPL
MW-8	12/19/96	38.18	11.93	---	26.25	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.6	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-8	03/17/1997	38.18		11.29	---	26.89		---	---	---	---	---	---	---	---	---	---	---
MW-8	08/12/1997	38.18		13.73	---	24.45		---	---	---	---	---	---	---	---	---	---	---
MW-8	12/10/1997	38.18		11.88	---	26.30		---	---	---	---	---	---	---	---	---	---	---
MW-8	03/12/1998	38.18		11.89	---	26.29		---	---	---	---	---	---	---	---	---	---	---
MW-8	06/23/1998	38.18		11.33	---	26.85		---	---	---	---	---	---	---	---	---	---	---
MW-8	03/31/1999	38.18		12.68	---	25.50		---	---	---	---	---	---	---	---	---	---	---
MW-8	08/25/1999	38.18		14.93	---	23.25		---	---	---	---	---	---	---	---	---	---	---
MW-8	03/09/2000	38.18		9.14	---	29.04		---	---	---	---	---	---	---	---	---	---	---
MW-8	03/08/2001	38.18		8.41	---	29.77		---	---	---	---	---	---	---	---	---	---	---
MW-8	03/08/2002	38.18		11.18	---	27.00		---	---	---	---	---	---	---	---	---	---	---
MW-8	03/18/2002	38.18		10.72	---	27.46		---	---	---	---	---	---	---	---	---	---	---
MW-8	**03/11/2003**	**38.18**		**10.46**	**---**	**27.72**		---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-9	10/3/91	41.25		14.12	---	27.13		ND<50	---	ND<0.3	0.4	ND<0.3	ND<0.3	---		---	---	---	SUP
MW-9	10/15/91	41.25		14.27	---	26.98		---	---	---	---	---	---	---		---	---	---	---
MW-9	12/4/91	41.25		13.84	---	27.41		---	---	---	---	---	---	---		---	---	---	---
MW-9	12/16/91	41.25		14.18	---	27.07		---	---	---	---	---	---	---		---	---	---	---
MW-9	1/6/92	41.25		13.42	---	27.83		ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	---		---	---	---	ANA
MW-9	1/22/92	41.25		13.75	---	27.50		---	---	---	---	---	---	---		---	---	---	---
MW-9	1/28/92	41.25		14.76	---	26.49		---	---	---	---	---	---	---		---	---	---	---
MW-9	2/5/92	41.25		13.38	---	27.87		---	---	---	---	---	---	---		---	---	---	---
MW-9	2/12/92	41.25		11.86	---	29.39		---	---	---	---	---	---	---		---	---	---	---
MW-9	2/17/92	41.25		10.78	---	30.47		---	---	---	---	---	---	---		---	---	---	---
MW-9	4/3/92	41.25		11.63	---	29.62		---	---	---	---	---	---	---		---	---	---	---
MW-9	4/8/92	41.25		12.25	---	29.00		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	4/14/92	41.25		12.32	---	28.93		---	---	---	---	---	---	---		---	---	---	---
MW-9	4/29/92	41.25		13.07	---	28.18		---	---	---	---	---	---	---		---	---	---	---
MW-9	5/7/92	41.25		14.43	---	26.82		---	---	---	---	---	---	---		---	---	---	---
MW-9	7/3/92	41.25		13.85	---	27.40		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	10/8/92	41.25		14.89	---	26.36		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	12/31/92	41.25		11.90	---	29.35		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	4/21/93	41.25		13.68	---	27.57		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	---	PACE
MW-9	7/7/93	41.25		13.12	---	28.13		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	---	PACE
MW-9	9/21/93	41.25		14.00	---	27.25		ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	---	(n)	---	---	---	PACE
MW-9	12/17/93	41.25		12.98	---	28.27		---	---	---	---	---	---	---		---	---	---	---
MW-9	12/23/93	41.25		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	ND<5.0	(n)	---	---	---	PACE
MW-9	4/7/94	41.25		13.24	---	28.01		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	4.7	PACE
MW-9	7/6/94	41.25		13.77	---	27.48		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	3.9	PACE
MW-9	10/7/94	41.25		14.60	---	26.65		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	3.0	PACE
MW-9	1/27/95	41.25		8.47	---	32.78		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	2.5	ATI
MW-9	3/30/95	41.25		8.19	---	33.06		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.4	ATI
MW-9	6/20/95	41.25		11.25	---	30.00		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.1	ATI
MW-9	10/3/95	41.25		14.68	---	26.57		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	6.0	ATI
MW-9	12/6/95	41.25		16.07	---	25.18		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	46		---	---	5.4	ATI
MW-9	3/21/96	41.25		9.60	---	31.65		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	8.0	SPL
MW-9	6/21/96	41.25		10.86	---	30.39		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	7.8	SPL
MW-9	9/6/96	41.25		11.52	---	29.73		---	---	---	---	---	---	---		---	---	---	---
MW-9	9/9/96	41.25		---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	20/21	(k)	---	---	7.3	SPL
MW-9	12/19/96	41.25		10.43	---	30.82		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	7.3	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-9	3/17/1997	41.25		9.87	---	31.38		---	---	---	---	---	---	---	---	---	---	---
MW-9	8/12/1997	41.25		11.44	---	29.81		---	---	---	---	---	---	---	---	---	---	---
MW-9	12/10/1997	41.25		10.44	---	30.81		---	---	---	---	---	---	---	---	---	---	---
MW-9	3/12/1998	41.25		9.50	---	31.75		---	---	---	---	---	---	---	---	---	---	---
MW-9	6/23/1998	41.25		10.06	---	31.19		---	---	---	---	---	---	---	---	---	---	---
MW-9	3/31/1999	41.25		9.06	---	32.19		---	---	---	---	---	---	---	---	---	---	---
MW-9	8/25/1999	41.25		12.00	---	29.25		---	---	---	---	---	---	---	---	---	---	---
MW-9	3/9/2000	41.25		10.57	---	30.68		---	---	---	---	---	---	---	---	---	---	---
MW-9	3/8/2001	41.25		9.73	---	31.52		---	---	---	---	---	---	---	---	---	---	---
MW-9	3/8/2002	41.25		11.89	---	29.36		---	---	---	---	---	---	---	---	---	---	---
MW-9	3/18/2002	41.25		9.68	---	31.57		---	---	---	---	---	---	---	---	---	---	---
MW-9	**3/11/2003**	**41.25**		**9.21**	---	**32.04**		---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID		DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
QC-2	(l)	10/8/92	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
QC-2	(l)	12/31/92	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
QC-2	(l)	4/21/93	---		---	---	---		---	---	---	---	---	---	---	(n)	---	ND	---	PACE
QC-2	(l)	7/7/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.6	---	(n)	---	---	---	PACE
QC-2	(l)	9/21/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	---	PACE
QC-2	(l)	12/23/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(l)	4/7/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(l)	7/6/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(l)	10/7/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(l)	1/27/95	---		---	---	---		ND<50	---	ND<0.5	0.5	ND<0.5	ND<1	---		---	---	---	ATI
QC-2	(l)	3/30/95	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	ATI
QC-2	(l)	6/20/95	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	ATI
QC-2	(l)	10/3/95	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
QC-2	(l)	12/6/95	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
QC-2	(l)	3/21/96	---		---	---	---		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	SPL
QC-2	(l)	6/21/96	---		---	---	---		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

ABBREVIATIONS:

TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation
TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TOG	Total oil and grease
HVOC	Halogenated volatile organic compounds
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
SUP	Superior Analytical Laboratory
ANA	Anametrix, Inc.
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

(a) Top of casing elevations surveyed in feet above mean sea level, relative to the NGVD (1929).

(b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.

(c) Well destroyed during tank removal in November 1990.

(d) Methylene chloride.

(e) 1,2-Dichloroethane.

(f) Well inaccessible.

(g) Sample collected from MW-2 for TPH-D analysis received in laboratory 7 days after collection; sample exceeded EPA recommended holding time for TPH-D on a water matrix.

(h) Blind duplicate.

(i) Top of casing lowered.

(j) A copy of the documentation for this data is included in Appendix C of Alisto report 10-014-07-001.

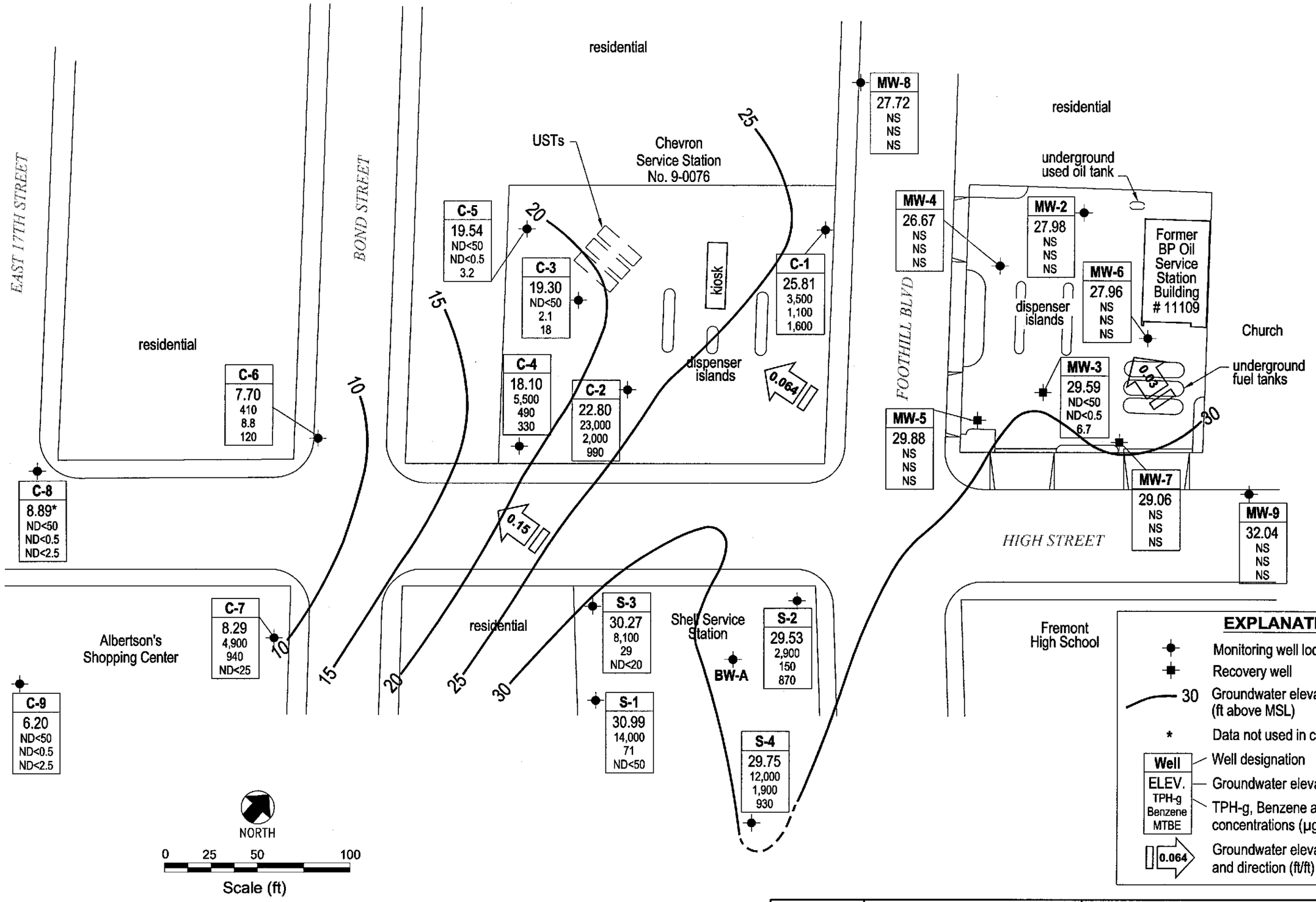
(k) EPA Methods 8020/8260 used.

(l) Travel blank.

(m) Gauge only, along with Shell @ 4411 Foothill Blvd.

(n) A copy of the documentation for this data is included in the Blaine Tech Services, Inc. report 020308-DW-2. The data for samples taken on April 21, 1993, have been destroyed. No chromatograms could be located for the samples taken on: July 7, 1993, for well MW-2 and TB; September 21, 1993, for all wells MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, the DUP and TB; December 23, 1993, for wells MW-2 and MW-3; and July 6, 1994, for wells MW-2, MW-4, MW-6, and MW-9.

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



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

URS	Project No. 38486233 Former BP Service Station #11109 4280 Foothill Boulevard Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2003 (March 11, 2003)	FIGURE 1

X:\x_env_waste\BP GEMS\Sites\Lnites Sites\111109\Reports\Monitoring\Qtr.1.2003\Drawings\GWEC-AS_3-11.dwg

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 # 030311-AC2 Date 3-11-03 Client 11109

Site 4280 Foothill Blvd. Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-2	2					13.24	29.90	TOC	90
MW-3	4					10.54	31.45		S
MW-4	4					13.44	26.59		90
MW-5	4		~~9.00~~ 9.15	.45	1107ml	9.60	32.58		S VSP#
MW-6	4					13.63	34.36		90
MW-7	6	moved ext. pump over to gauge				11.26	33.24		90
MW-8	2					10.46	29.35		90
MW-9	2					9.21	29.25	↓	90
		MW-3 pump out of well							
		MW-7 pump in well not running							

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030311-AC2	Station # 11109
Sampler: AC	Date: 3-11-03
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 31.45	Depth to Water: 10.54
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
- Middleburg
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- X 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.

13.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 40.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1405	71.9	6.7	1115	14	clear, very slight odor
1408	71.6	6.7	1170	28	" " " "
1411	71.2	6.7	1159	42	" " " "

Did well dewater? Yes (No) Gallons actually evacuated: 42

Sampling Time: 1420 Sampling Date: 3-11-03

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030311-AC2	Station # 11109
Sampler: AC	Date: 3-11-03
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 32.58	Depth to Water: 9.60
Depth to Free Product: 9.15	Thickness of Free Product (feet): .45
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: _____ 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
Bailed .45 ft of product out of well					
Bailed product and about 12 gal of water					

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 3-11-03	
Sample I.D.: MW-5		Laboratory: Pace (Sequoia) 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

Chain of Custody Record

bp

Project Name 030311-ACZ

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 3-1-03 Requested Due Date (mm/dd/yy)

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 4280 FOOTHILL, OAKLAND, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11109	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600100217	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: 295 SW 41st St., Bldg. 13 Ste N	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level: Send EDF Reports	Renton, WA 98055	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 425-251-0689/425-251-0736	BP/GEM Work Release No:

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)	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)	Sample Point Lat/Long and Comments
1	MW-3	1420		X				3				X	X		X				
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Aaron Costa	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech	AaronCosta/Blaine Tech				
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___ No___ Temperature Blank Yes___ No___ Cooler Temperature on Receipt ___°F/C Trip Blank Yes___ No___

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

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client # 11109 Inspection Date 3-11-03

Site Address 4280 Foothill Blvd. Oakland Inspected By AC

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☐ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken
MW-2	12.	bailed water w/ hand bailer
MW-5	12.	bailed water w/ hand bailer

Note below all defiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

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:

11109

Station #

4280 Foothill Blvd. Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

45

added equip. rinse water 10

any other adjustments

TOTAL GALS. RECOVERED 55

loaded onto BTS vehicle # 11

BTS event # 030311-ACZ

time 1430

date 3/11/03

signature

* *

REC'D AT

time

date

__/__/__

unloaded by signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

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

27 March, 2003

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

RE: BP Heritage Site #11109,Oakland, CA
Sequoia Work Order: MMC0479

Enclosed are the results of analyses for samples received by the laboratory on 03/12/03 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11109,Oakland, CA	MMC0479
500 12th Street, Suite 100	Project Number: BP Heritage Site #11109, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	MMC0479-01	Water	03/11/03 14:20	03/12/03 15:30

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

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11109,Oakland, CA	MMC0479
500 12th Street, Suite 100	Project Number: BP Heritage Site #11109, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:58

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MMC0479-01) Water Sampled: 03/11/03 14:20 Received: 03/12/03 15:30									
Gasoline Range Organics	ND	50	ug/l	1	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**6.7**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*		*65-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*		*65-135*	"	"	"	"	

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11109,Oakland, CA	MMC0479
500 12th Street, Suite 100	Project Number: BP Heritage Site #11109, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:58

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3030381 - EPA 5030, waters										
Blank (3030381-BLK1)				Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*323*		"	*300*		*108*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*267*		"	*300*		*89*	*65-135*			
Laboratory Control Sample (3030381-BS1)				Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	2160	50	ug/l	2750		79	65-135			
Benzene	37.7	0.50	"	36.5		103	65-135			
Toluene	192	0.50	"	203		95	65-135			
Ethylbenzene	45.4	0.50	"	47.0		97	65-135			
Xylenes (total)	216	0.50	"	236		92	65-135			
Methyl tert-butyl ether	62.3	2.5	"	56.0		111	65-135			
Surrogate: a,a,a-Trifluorotoluene	*341*		"	*300*		*114*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*276*		"	*300*		*92*	*65-135*			
Matrix Spike (3030381-MS1)	**Source: P303267-01**			Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	2180	50	ug/l	2750	44	78	65-135			
Benzene	36.7	0.50	"	36.5	ND	101	65-135			
Toluene	187	0.50	"	203	ND	92	65-135			
Ethylbenzene	44.6	0.50	"	47.0	ND	95	65-135			
Xylenes (total)	210	0.50	"	236	ND	89	65-135			
Methyl tert-butyl ether	113	2.5	"	56.0	62	91	65-135			
Surrogate: a,a,a-Trifluorotoluene	*323*		"	*300*		*108*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*278*		"	*300*		*93*	*65-135*			

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11109,Oakland, CA	MMC0479
500 12th Street, Suite 100	Project Number: BP Heritage Site #11109, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:58

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3030381 - EPA 5030, waters										
Matrix Spike Dup (3030381-MSD1)	**Source: P303267-01**			Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	2130	50	ug/l	2750	44	76	65-135	2	20	
Benzene	36.6	0.50	"	36.5	ND	100	65-135	0.3	20	
Toluene	189	0.50	"	203	ND	93	65-135	1	20	
Ethylbenzene	44.8	0.50	"	47.0	ND	95	65-135	0.4	20	
Xylenes (total)	212	0.50	"	236	ND	90	65-135	0.9	20	
Methyl tert-butyl ether	120	2.5	"	56.0	62	104	65-135	6	20	
Surrogate: a,a,a-Trifluorotoluene	*330*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*275*		"	*300*		*92*	*65-135*			

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11109,Oakland, CA	MMC0479
500 12th Street, Suite 100	Project Number: BP Heritage Site #11109, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:58

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

bp

Project Name: 030811-ACZ
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 3-11-03
Requested Due Date (mm/dd/yy): MMC0479

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 4280 FOOTHILL, OAKLAND, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11109	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600100217	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: 295 SW 41st St., Bldg. 13 Ste N	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level: Send EDF Reports	Renton, WA 98055	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GPM Account No.: 400-6-21124	Tele/Fax: 425-251-0680/425-251-0735	BP/GEM Work Release No:

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)	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)	Sample Point Lat/Long and Comments
1	MW-3	1470		X			01	3				X	X		X				
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Aaron Costa						
Sampler's Company: Blaine Tech	Aaron Costa/Blaine Tech	3/11/03	1010		3/12/03	1010
Shipment Date:		3/11/03	12:37		3/12/03	15:30
Shipment Method:						
Shipment Tracking No:						

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

Custody Seals in Place Yes ___ No ✓ Temperature Blank Yes ___ No ✓ Cooler Temperature on Receipt 5 °C/D Trip Blank Yes ___ No ✓

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

BP COC Rev. 1 1/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT): [signature]
WORKORDER: MMC0479

DATE Received at Lab: 3/12/03
TIME Received at Lab: 15:30
LOG IN DATE: 3-14-03

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent) Intact / Broken*	1		MW-3	(3) voas HCl	L	3/11/03	2297030
2. Chain-of-Custody	(Present) / Absent*							
3. Traffic Reports or Packing List:	Present / (Absent)							
4. Airbill:	Airbill / Sticker Present / (Absent)							
5. Airbill #:								
6. Sample Labels:	(Present) / Absent							
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody							
8. Sample Condition:	(Intact) / Broken* / Leaking*							
9. Docs information on custody reports, traffic reports and sample labels agree?	(Yes) / No*							
10. Sample received within hold time:	(Yes) / No*							
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab: 5°C Is temp 4 +/-2°C?	(Yes) / No**							

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DW? on ice? / DFF no ice? or Problem COC

3/12/03

*If Circled, contact Project Manager and attach record of resolution.

ATTACHMENT C

JOINT MONITORING DATA

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-1	7/14/92	38.41	27.61	---	10.80	---	---	---	---	---	---	---
C-1	10/8/92	38.41	24.44	---	13.97	---	---	---	---	---	---	---
C-1	9/21/93	38.41	21.42	---	16.99	---	---	---	---	---	---	---
C-1	3/30/95	38.41	12.02	---	26.39	---	---	---	---	---	---	---
C-1	6/20/95	38.41	14.40	---	24.01	---	---	---	---	---	---	---
C-1	3/21/96	38.41	11.65	---	26.76	---	---	---	---	---	---	---
C-1	9/6/96	38.41	16.75	---	21.66	---	---	---	---	---	---	---
C-1	12/19/96	38.41	13.98	---	24.43	---	---	---	---	---	---	---
C-1	3/17/97	38.41	12.78	---	25.63	---	---	---	---	---	---	---
C-1	6/11/97	38.41	15.16	---	23.25	---	---	---	---	---	---	---
C-1	9/17/97	38.41	16.94	---	21.47	---	---	---	---	---	---	---
C-1	12/10/97	38.41	13.18	---	25.23	---	---	---	---	---	---	---
C-1	3/12/98	38.41	9.49	---	28.92	---	---	---	---	---	---	---
C-1	6/23/98	38.41	10.22	---	28.19	1300	650	6.9	22	6.5	290	SEQ
C-1	9/1/98	38.41	16.98	---	21.43	270	6.0	ND<2.5	ND<2.5	ND<2.5	950	SEQ
C-1	12/30/98	38.41	16.12	---	22.29	2020	578	ND<5.0	ND<5.0	<5.0	1720	SEQ
C-1	3/31/99	38.41	13.88	---	24.53	2140	776	5.89	ND<5.0	5.15	1170	SEQ
C-1	3/9/00	38.41	7.13	---	31.28	3300	2500	28	37	ND<25	1700	SEQ
C-1	3/8/01	38.41	7.96	---	30.45	2570	1040	7.93	12	ND<5.0	1470	SEQ
C-1	3/8/02	38.41	10.06	---	28.35	3600	1400	9.5	17	6.5	1900	LAN
C-1	**3/11/03**	**38.41**	**12.60**	**---**	**25.81**	**3500**	**1100**	**9.1**	**12**	**8.0**	**1600**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-2	7/14/92	37.47	---	---	---	---	---	---	---	---	---	---
C-2	10/8/92	37.47	---	---	---	---	---	---	---	---	---	---
C-2	9/21/93	37.47	26.29	---	11.18	---	---	---	---	---	---	---
C-2	3/30/95	37.47	17.18	---	20.29	---	---	---	---	---	---	---
C-2	6/20/95	37.47	18.95	---	18.52	---	---	---	---	---	---	---
C-2	3/21/96	37.47	16.17	---	21.30	---	---	---	---	---	---	---
C-2	9/6/96	37.47	21.14	0.04	16.36	---	---	---	---	---	---	---
C-2	12/19/96	37.47	17.55	0.03	19.94	---	---	---	---	---	---	---
C-2	3/17/97	37.47	18.59	---	18.88	---	---	---	---	---	---	---
C-2	6/11/97	37.47	21.30	---	16.17	---	---	---	---	---	---	---
C-2	9/17/97	37.47	23.14	---	14.33	---	---	---	---	---	---	---
C-2	12/10/97	37.47	17.21	---	20.26	---	---	---	---	---	---	---
C-2	3/12/98	37.47	14.17	---	23.30	---	---	---	---	---	---	---
C-2	6/23/98	37.47	14.82	---	22.65	1100000	6800	5100	13000	38000	ND<1000	SEQ
C-2	9/1/98	37.47	21.78	---	15.69	9700	300	8.2	6.2	250	3700	SEQ
C-2	12/30/98	37.47	21.86	---	15.61	110000	4790	1300	841	5570	2420	SEQ
C-2	3/31/99	37.47	16.90	---	20.57	48000	4800	1110	1520	5450	2160	SEQ
C-2	3/9/00	37.47	12.20	---	25.27	26000	4800	930	1200	4400	1800	SEQ
C-2	3/8/01	37.47	16.94	---	20.53	42300	3930	828	2010	5180	1660	SEQ
C-2	3/8/02	37.47	14.29	---	23.18	26000	2900	390	1200	2800	1100	LAN
C-2	**3/11/03**	**37.47**	**14.61**	**---**	**22.86**	**23000**	**2000**	**280**	**1100**	**2100**	**990**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-3	7/14/92	38.37	27.87	---	10.50	---	---	---	---	---	---	---
C-3	10/8/92	38.37	28.55	---	9.82	---	---	---	---	---	---	---
C-3	9/21/93	38.37	26.22	---	12.15	---	---	---	---	---	---	---
C-3	3/30/95	38.37	18.42	---	19.95	---	---	---	---	---	---	---
C-3	6/20/95	38.37	19.79	---	18.58	---	---	---	---	---	---	---
C-3	3/21/96	38.37	17.85	---	20.52	---	---	---	---	---	---	---
C-3	9/6/96	38.37	21.63	---	16.74	---	---	---	---	---	---	---
C-3	12/19/96	38.37	22.30	---	16.07	---	---	---	---	---	---	---
C-3	3/17/97	38.37	18.95	---	19.42	---	---	---	---	---	---	---
C-3	6/11/97	38.37	21.15	---	17.23	---	---	---	---	---	---	---
C-3	9/17/97	38.37	22.41	---	15.96	---	---	---	---	---	---	---
C-3	12/10/97	38.37	22.26	---	16.11	---	---	---	---	---	---	---
C-3	3/12/98	38.37	18.35	---	20.02	---	---	---	---	---	---	---
C-3	6/23/98	38.37	19.04	---	19.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
C-3	9/1/98	38.37	19.97	---	18.40	200	6.8	0.31	0.52	2.0	ND<2.5	SEQ
C-3	12/30/98	38.37	21.31	---	17.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	SEQ
C-3	3/31/99	38.37	17.77	---	20.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12.6	SEQ
C-3	3/9/00	38.37	17.10	---	21.27	99	6.9	0.8	0.89	3.8	12	SEQ
C-3	3/8/01	38.37	17.67	---	20.70	ND<50	0.873	<0.5	<0.5	<0.5	3.24	SEQ
C-3	3/8/02	38.37	17.78	---	20.59	82	5.4	ND<0.5	ND<0.5	ND<1.5	68	LAN
C-3	**3/11/03**	**38.37**	**19.07**	**---**	**19.30**	**ND<50**	**2.1**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**18**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-4	7/14/92	36.49	26.89	---	9.60	---	---	---	---	---	---	---
C-4	10/8/92	36.49	27.79	---	8.70	---	---	---	---	---	---	---
C-4	9/21/93	36.49	25.51	---	10.98	---	---	---	---	---	---	---
C-4	3/30/95	36.49	14.86	---	21.63	---	---	---	---	---	---	---
C-4	6/20/95	36.49	16.90	---	19.59	---	---	---	---	---	---	---
C-4	3/21/96	36.49	14.10	---	22.39	---	---	---	---	---	---	---
C-4	9/6/96	36.49	20.13	---	16.36	---	---	---	---	---	---	---
C-4	12/19/96	36.49	16.92	---	19.57	---	---	---	---	---	---	---
C-4	3/17/97	36.49	17.40	---	19.09	---	---	---	---	---	---	---
C-4	6/11/97	36.49	18.34	---	18.15	---	---	---	---	---	---	---
C-4	9/17/97	36.49	21.46	---	15.03	---	---	---	---	---	---	---
C-4	12/10/97	36.49	16.65	---	19.84	---	---	---	---	---	---	---
C-4	3/12/98	36.49	16.59	---	19.90	---	---	---	---	---	---	---
C-4	6/23/98	36.49	17.02	---	19.47	27000	1600	160	180	690	100	SEQ
C-4	9/1/98	36.49	21.45	---	15.04	520	14	2.3	ND<0.50	4.8	61	SEQ
C-4	12/30/98	36.49	21.42	---	15.07	122	14.1	1.86	ND<1.0	3.61	349	SEQ
C-4	3/31/99	36.49	15.20	---	21.29	20300	4450	443	1000	2130	1320	SEQ
C-4	3/9/00	36.49	13.36	---	23.13	8300	2600	270	510	1400	650	SEQ
C-4	3/8/01	36.49	16.62	---	19.87	9080	2260	229	395	1060	718	SEQ
C-4	3/8/02	36.49	16.78	---	19.71	7000	1300	67	280	390	610	LAN
C-4	**3/11/03**	**36.49**	**18.39**	**---**	**18.10**	**5500**	**490**	**12**	**100**	**210**	**330**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-5	7/14/92	38.50	28.00	---	10.50	---	---	---	---	---	---	---
C-5	10/8/92	38.50	28.65	---	9.85	---	---	---	---	---	---	---
C-5	9/21/93	38.50	26.36	---	12.14	---	---	---	---	---	---	---
C-5	3/30/95	38.50	18.54	---	19.96	---	---	---	---	---	---	---
C-5	6/20/95	38.50	20.13	---	18.37	---	---	---	---	---	---	---
C-5	3/21/96	38.50	18.40	---	20.10	---	---	---	---	---	---	---
C-5	9/6/96	38.50	21.90	---	16.60	---	---	---	---	---	---	---
C-5	12/19/96	38.50	21.15	---	17.35	---	---	---	---	---	---	---
C-5	3/17/97	38.50	19.84	---	18.66	---	---	---	---	---	---	---
C-5	6/11/97	38.50	21.60	---	16.90	---	---	---	---	---	---	---
C-5	9/17/97	38.50	27.83	---	10.67	---	---	---	---	---	---	---
C-5	12/10/97	38.50	21.00	---	17.50	---	---	---	---	---	---	---
C-5	3/12/98	38.50	16.42	---	22.08	---	---	---	---	---	---	---
C-5	6/23/98	38.50	16.98	---	21.52	---	---	---	---	---	---	---
C-5	9/1/98	38.50	20.42	---	18.08	---	---	---	---	---	---	---
C-5	12/30/98	38.50	20.79	---	17.71	---	---	---	---	---	---	---
C-5	3/31/99	38.50	17.05	---	21.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	SEQ
C-5	3/9/00	38.50	16.98	---	21.52	ND<50	ND<0.5	ND<0.5	ND<0.5	0.87	3.5	SEQ
C-5	3/8/01	38.50	17.53	---	20.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.15	SEQ
C-5	3/8/02	38.50	18.18	---	20.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	3.5	LAN
C-5	**3/11/03**	**38.50**	**18.96**	**---**	**19.54**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**3.2**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-6	7/14/92	35.40	38.89	---	-3.49	---	---	---	---	---	---	---
C-6	10/8/92	35.40	38.67	---	-3.27	---	---	---	---	---	---	---
C-6	9/21/93	35.40	33.98	---	1.42	---	---	---	---	---	---	---
C-6	3/30/95	35.40	26.38	---	9.02	---	---	---	---	---	---	---
C-6	6/20/95	35.40	25.01	---	10.39	---	---	---	---	---	---	---
C-6	3/21/96	35.40	23.12	---	12.28	---	---	---	---	---	---	---
C-6	9/6/96	35.40	24.83	---	10.57	---	---	---	---	---	---	---
C-6	12/19/96	35.40	24.50	---	10.90	---	---	---	---	---	---	---
C-6	3/17/97	35.40	22.59	---	12.81	---	---	---	---	---	---	---
C-6	6/11/97	35.40	23.76	---	11.64	---	---	---	---	---	---	---
C-6	9/17/97	35.40	24.74	---	10.66	---	---	---	---	---	---	---
C-6	12/10/97	35.40	24.65	---	10.75	---	---	---	---	---	---	---
C-6	3/12/98	35.40	27.12	---	8.28	---	---	---	---	---	---	---
C-6	6/23/98	35.40	27.92	---	7.48	220	35	ND<0.5	2.5	1.1	ND<2.5	SEQ
C-6	9/1/98	35.40	31.60	---	3.80	1800	370	2.8	19	4.8	44	SEQ
C-6	12/30/98	35.40	31.82	---	3.58	1600	244	ND<1.0	8.53	ND<1.0	54.9	SEQ
C-6	3/31/99	35.40	26.06	---	9.34	741	92.2	ND<1.0	6.6	ND<1.0	27.9	SEQ
C-6	3/9/00	35.40	20.03	---	15.37	470	120	0.74	5.0	2.5	36	SEQ
C-6	3/8/01	35.40	23.84	---	11.56	1550	228	3.93	19.9	32.5	46.2	SEQ
C-6	3/8/02	35.40	21.08	---	14.32	600	33	0.91	1.8	ND<1.5	90	LAN
C-6	**3/11/03**	**35.40**	**27.70**	**---**	**7.70**	**410**	**8.8**	**0.88**	**ND<0.50**	**ND<1.5**	**120**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-7	7/14/92	35.19	39.77	---	-4.58	---	---	---	---	---	---	---
C-7	10/8/92	35.19	39.14	---	-3.95	---	---	---	---	---	---	---
C-7	9/21/93	35.19	35.46	---	-0.27	---	---	---	---	---	---	---
C-7	3/30/95	35.19	27.60	---	7.59	---	---	---	---	---	---	---
C-7	6/20/95	35.19	27.87	---	7.32	---	---	---	---	---	---	---
C-7	3/21/96	35.19	27.85	---	7.34	---	---	---	---	---	---	---
C-7	9/6/96	35.19	28.35	---	6.84	---	---	---	---	---	---	---
C-7	12/19/96	35.19	29.11	---	6.08	---	---	---	---	---	---	---
C-7	3/17/97	35.19	27.14	---	8.05	---	---	---	---	---	---	---
C-7	6/11/97	35.19	28.05	---	7.14	---	---	---	---	---	---	---
C-7	9/17/97	35.19	29.00	---	6.19	---	---	---	---	---	---	---
C-7	12/10/97	35.19	29.26	---	5.93	---	---	---	---	---	---	---
C-7	3/12/98	35.19	24.92	---	10.27	---	---	---	---	---	---	---
C-7	6/23/98	35.19	25.30	---	9.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
C-7	9/1/98	35.19	26.27	---	8.92	570	24	1.4	8.4	22	24	SEQ
C-7	12/30/98	35.19	26.52	---	8.67	ND<50	4.85	1.26	ND<0.5	1.29	167	SEQ
C-7	3/31/99	35.19	24.76	---	10.43	53.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	SEQ
C-7	3/9/00	35.19	25.57	---	9.62	13000	2700	110	700	1500	ND<130	SEQ
C-7	3/8/01	35.19	25.43	---	9.76	1180	39.2	2.41	15.5	30.8	10.3	SEQ
C-7	3/8/02	35.19	24.80	---	10.39	3900	380	21	110	160	ND<20	LAN
C-7	**3/11/03**	**35.19**	**26.90**	**---**	**8.29**	**4900**	**940**	**13**	**150**	**160**	**ND<25**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-8	7/14/92	34.68	39.02	---	-4.34	---	---	---	---	---	---	---
C-8	10/8/92	34.68	38.68	---	-4.00	---	---	---	---	---	---	---
C-8	9/21/93	34.68	35.30	---	-0.62	---	---	---	---	---	---	---
C-8	3/30/95	34.68	29.24	---	5.44	---	---	---	---	---	---	---
C-8	6/20/95	34.68	28.34	---	6.34	---	---	---	---	---	---	---
C-8	3/21/96	34.68	28.65	---	6.03	---	---	---	---	---	---	---
C-8	9/6/96	34.68	28.70	---	5.98	---	---	---	---	---	---	---
C-8	12/19/96	34.68	29.70	---	4.98	---	---	---	---	---	---	---
C-8	3/17/97	34.68	27.76	---	6.92	---	---	---	---	---	---	---
C-8	6/11/97	34.68	28.81	---	5.87	---	---	---	---	---	---	---
C-8	9/17/97	34.68	29.36	---	5.32	---	---	---	---	---	---	---
C-8	12/10/97	34.68	29.80	---	4.88	---	---	---	---	---	---	---
C-8	3/12/98	34.68	25.73	---	8.95	---	---	---	---	---	---	---
C-8	6/23/98	34.68	26.30	---	8.38	---	---	---	---	---	---	---
C-8	9/1/98	34.68	26.51	---	8.17	---	---	---	---	---	---	---
C-8	12/30/98	34.68	26.89	---	7.79	---	---	---	---	---	---	---
C-8	3/31/99	34.68	26.36	---	8.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.8	SEQ
C-8	3/9/00	34.68	26.33	---	8.35	ND<50	ND<0.5	ND<0.5	ND<0.5	1.8	<2.5	SEQ
C-8	3/8/01	34.68	26.10	---	8.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	<2.5	SEQ
C-8	3/8/02	34.68	25.30	---	9.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN
C-8	**3/11/03**	**34.68**	**25.79**	**---**	**8.89**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**ND<2.5**	**LAN**

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-9	3/17/97	30.68	27.56	---	3.12	---	---	---	---	---	---	---
C-9	6/11/97	30.68	28.27	---	2.41	---	---	---	---	---	---	---
C-9	9/17/97	30.68	28.63	---	2.05	---	---	---	---	---	---	---
C-9	12/10/97	30.68	29.43	---	1.25	---	---	---	---	---	---	---
C-9	3/12/98	30.68	25.62	---	5.06	---	---	---	---	---	---	---
C-9	6/23/98	30.68	26.15	---	4.53	---	---	---	---	---	---	---
C-9	9/1/98	30.68	26.38	---	4.30	---	---	---	---	---	---	---
C-9	12/30/98	30.68	26.75	---	3.93	---	---	---	---	---	---	---
C-9	3/31/99	30.68	25.33	---	5.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12.5	SEQ
C-9	3/9/00	30.68	26.04	---	4.64	ND<50	ND<0.5	ND<0.5	ND<0.5	0.75	<2.5	SEQ
C-9	3/8/01	30.68	25.75	---	4.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	<2.5	SEQ
C-9	3/8/02	30.68	25.00	---	5.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN
C-9	**3/11/03**	**30.68**	**24.48**	**---**	**6.20**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**ND<2.5**	**LAN**
Trip Blank	6/23/98	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
Trip Blank	9/1/98	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
Trip Blank	3/8/01	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
Trip Blank	3/8/02	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN
Trip Blank	3/11/03	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
ug/l	Micrograms per liter
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
SEQ	Sequoia Analytical
LAN	Lancaster Laboratories

NOTES:

(a) Top of casing elevations surveyed relative to 1929 NGVD. Measured in feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
S-1	3/30/95	38.31	6.09	32.22	---	---	---	---	---	---	---	---	---
S-1	6/20/95	38.31	7.30	31.01	---	---	---	---	---	---	---	---	---
S-1	12/6/95	38.31	11.64	26.67	---	---	---	---	---	---	---	---	---
S-1	3/21/96	38.31	6.87	31.44	---	---	---	---	---	---	---	---	---
S-1	6/21/96	38.31	8.65	29.66	---	---	---	---	---	---	---	---	---
S-1	9/6/96	38.31	10.50	27.81	---	---	---	---	---	---	---	---	---
S-1	12/19/96	38.31	8.24	30.07	---	---	---	---	---	---	---	---	---
S-1	3/17/97	38.31	7.26	31.05	---	---	---	---	---	---	---	---	---
S-1	6/11/97	38.31	10.69	27.62	---	---	---	---	---	---	---	---	---
S-1	9/17/97	38.31	10.26	28.05	---	---	---	---	---	---	---	---	---
S-1	12/11/97	38.31	6.96	31.35	---	---	---	---	---	---	---	---	---
S-1	3/12/98	38.31	6.00	32.31	25000	2500	510	250	820	670	5000	ND<125	SEQ
DUP (c)	3/12/98	---	---	---	26000	---	---	250	840	720	5100	ND<125	SEQ
S-1	6/23/98	38.31	6.31	32.00	ND<1000	230	ND<500	280	14	23	15	6100/7800 (d)	SEQ
S-1	9/1/99	38.31	9.17	29.14	26000	2300	ND<500	370	620	1300	33	1400/120 (d)	SEQ
S-1	12/30/98	38.31	8.99	29.32	29900	1970	334	174	732	1680	5740	182 (d)	SEQ
S-1	3/31/99	38.31	7.84	30.47	14200	1150	279	1360	260	1070	3580	ND<500/90 (d)	SEQ
S-1	3/9/00	38.30	6.21	32.09	1230 (f)	1200	ND<250	21.2 (f)	115 (f)	116 (f)	411 (f)	45.1 (f)	SEQ
S-1	3/8/01	38.30	5.84	32.46	2940	1390	---	49.6	52.9	21.8	749	87.6	SEQ
S-1	3/18/02	38.30	5.08	33.22	7500	<300	---	40	370	560	2000	20	KIFF
S-1	**3/11/03**	**38.30**	**7.31**	**30.99**	**14000**	**<1600**	**---**	**71**	**470**	**1000**	**3300**	**<50**	**KIFF**

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
S-2	3/30/95	38.79	7.86	30.93	---	---	---	---	---	---	---	---	---
S-2	6/20/95	38.79	9.51	29.28	---	---	---	---	---	---	---	---	---
S-2	12/6/95	38.79	10.52	28.27	---	---	---	---	---	---	---	---	---
S-2	3/21/96	38.79	8.60	30.19	---	---	---	---	---	---	---	---	---
S-2	6/21/96	38.79	9.95	28.84	---	---	---	---	---	---	---	---	---
S-2	9/6/96	38.79	10.50	28.29	---	---	---	---	---	---	---	---	---
S-2	12/19/96	38.79	9.40	29.39	---	---	---	---	---	---	---	---	---
S-2	3/17/97	38.79	9.82	28.97	---	---	---	---	---	---	---	---	---
S-2	6/11/97	38.79	10.18	28.61	---	---	---	---	---	---	---	---	---
S-2	9/17/97	38.79	9.90	28.89	---	---	---	---	---	---	---	---	---
S-2	12/11/97	38.79	8.27	30.52	---	---	---	---	---	---	---	---	---
S-2	3/12/98	38.79	7.97	30.82	1100	---	---	830	48	ND<10	ND<10	4700/4800 (d)	SEQ
S-2	6/23/98	38.79	8.20	30.59	720	---	---	46	6.8	50	68	50/8.8 (d)	SEQ
DUP (c)	6/23/98	---	---	---	810	---	---	48	7.1	50	70	49/8.8 (d)	SEQ
S-2	9/1/99	38.79	9.85	28.94	ND<2000	---	---	170	ND<20	ND<20	ND<20	9300/12000 (d)	SEQ
S-2	12/30/98	38.79	9.84	28.95	ND<5000	---	---	369	ND<50	ND<50	ND<50	9300/12000 (d)	SEQ
S-2	3/31/99	38.79	8.67	30.12	ND<2000	---	---	234	ND<20	27.4	36.9	49200/53000 (d)	SEQ
S-2	3/9/00	38.78	7.88	30.90	2670	630	ND<250	1190 (f)	62.7	84.1	125	29200/31400 (d),(f)	SEQ
S-2	3/8/01	38.78	8.57	30.21	ND<2500	ND<51.3	---	318	45.7	53.5	88.5	15500/17500 (d)	SEQ
S-2	3/18/02	38.78	9.91	28.87	3700	14000	---	93	<20	35	100	7500	KIFF
S-2	**3/11/03**	**38.78**	**9.25**	**29.53**	**2900**	**<1800**	**---**	**150**	**5.5**	**54**	**84**	**870**	**KIFF**

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
S-3	3/30/95	37.33	7.06	30.27	---	---	---	---	---	---	---	---	---
S-3	6/20/95	37.33	8.15	29.18	---	---	---	---	---	---	---	---	---
S-3	12/6/95	37.33	10.53	26.80	---	---	---	---	---	---	---	---	---
S-3	3/21/96	37.33	7.32	30.01	---	---	---	---	---	---	---	---	---
S-3	6/21/96	37.33	8.85	28.48	---	---	---	---	---	---	---	---	---
S-3	9/6/96	37.33	10.10	27.23	---	---	---	---	---	---	---	---	---
S-3	12/19/96	37.33	8.36	28.97	---	---	---	---	---	---	---	---	---
S-3	3/17/97	37.33	8.57	28.76	---	---	---	---	---	---	---	---	---
S-3	6/11/97	37.33	9.26	28.07	---	---	---	---	---	---	---	---	---
S-3	9/17/97	37.33	9.62	27.71	---	---	---	---	---	---	---	---	---
S-3	12/11/97	37.33	7.34	29.99	---	---	---	---	---	---	---	---	---
S-3	3/12/98	37.33	5.75	31.58	29000	---	---	840	810	1700	6000	ND<250	SEQ
S-3	6/23/98	37.33	5.98	31.35	3800	---	---	90	220	240	1400	ND<50	SEQ
S-3	9/1/99	---	---	---	9200	---	---	420	110	800	1700	110/ND<50 (d)	SEQ
S-3	12/30/98	37.33	9.11	28.22	7660	---	---	240	103	410	834	64.9	SEQ
S-3	3/31/99	37.33	7.48	29.85	2070	---	---	195	10	ND<5.0	48.6	354/64.6 (d)	SEQ
S-3	3/9/00	37.30	6.25	31.05	2290 (f)	1600	ND<250	84.5 (f)	17 (f)	104 (f)	105 (f)	29.3 (f)	SEQ
S-3	3/8/01	37.30	8.17	29.13	19400	1720	---	465	772	1230	3830	160	SEQ
S-3	3/18/02	37.30	7.03	30.27	3800	810	---	61	120	130	620	5.0	KIFF
S-3	**3/11/03**	**37.30**	**7.03**	**30.27**	**8100**	**<1500**	**—**	**29**	**110**	**190**	**1700**	**<20**	**KIFF**
S-4	3/8/01	39.06	8.44	30.62	20100	5840	---	5210	105	381	281	2520	SEQ
S-4	3/18/02	39.06	8.75	30.31	---	---	---	---	---	---	---	---	---
S-4	3/29/02	39.06	8.85 (g)	30.21	14000	---	---	1700	30	280	250	960	KIFF
S-4	**3/11/03**	**39.06**	**9.31 (g)**	**29.75**	**12000**	**<5600**	**—**	**1900**	**63**	**360**	**280**	**930**	**KIFF**
BW-A	3/9/00	---	3.99	---	---	---	---	---	---	---	---	---	---
BW-A	3/8/01	---	6.38	---	ND<2500	1370	---	46.6	ND<25	ND<25	ND<25	10600/11700 (d)	SEQ
EB (e)	3/12/98	---	---	---	ND<50	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	SEQ
EB (e)	6/23/98	---	---	---	ND<50	---	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	SEQ

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
TPH-MO	Total petroleum hydrocarbons as motor oil
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
ug/l	Micrograms per liter
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
SEQ	Sequoia Analytical
KIFF	Kiff Analytical

NOTES:

(a) Top of box elevations surveyed relative to 1929 NGVD. Measured in feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

(c) Blind duplicate.

(d) EPA Methods 8020/8260 used for MTBE analysis.

(e) Trip blank.

(f) This sample was analyzed outside of EPA recommended hold time.

(g) Top of Box has been disturbed; Elevation has been determined by using survey data on February 3, 2000, for the diference between TOC & TOB.

Site was resurveyed on February 3, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

Beginning 1st Qt, 2002, all TPH-g, BTEX, and MTBE are analyzed using EPA method 8260.

Joint Monitoring Data

Chevron Station #9-0076

6747 Sierra Court, Suite J
Dublin, CA 94568-2611
925-551-7555 ext. 171 FAX 925-551-7899

Gettler - Ryan Inc.

Fax

To: Donna Cosper

From: Denise Vance

Fax:~~510-874-3019~~ 5

Date:03/27/03

Phone:510-874-3268

Pages: 17

Re: JOINT MONITORING *w/Chevron #9-0076*

On:03/11/03 1st Qtr 2003

Re:BP#11109- 4280 Foothill Blvd., Oakland

Enclosed:

- ☐ Gauging Data
- ☐ Analytical Lab

Please fax your data to: 925-551-7899

- ☐ Gauging Data
- ☐ Analytical Lab

Thanks,
Denise Vance

GETTLER-RYAN INC.

GROUNDWATER MONITORING SUMMARY SHEET

CLIENT/
FACILITY: ChevronTexaco #9-0076
ADDRESS: 4265 Foothill Blvd.
CITY: Oakland, CA

JOB #: 386495
DATE: 3.11.03 (inclusive)
SAMPLER: FT

Well ID	Total Well Depth	Depth to Water	Product Thickness (ft)	List Item IN Well	Additional Comments
C-1	38.05	12.60	0	ORC	29.0
C-2	36.55	14.61		ORC	25.0
C-3	39.57	19.07			23.0
C-4	39.52	18.39		ORC	24.0
C-5	44.11	18.96			13.0
C-6	53.73	27.70		ORC	13.0
C-7	50.93	26.90			12.0
C-8	56.32	25.79			15.5
C-9	45.18	24.48			10.5
					165.0 TOTAL

Comments

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Corp # 844535

For Lancaster Laboratories use only
Acct. #: 10904 Sample #: 4010359-63 SCR#:

031203-011

Facility #: SS#9-0076 G-R#386495 Global ID#T0600100339
Site Address: 4266 FOOTHILL BLVD., OAKLAND, CA
Chevron PM: KS Lead Consultant: CAMBRIA
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: FRANK TERRINONI
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES; Soil, Water, Oil ☐ Air ☐

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ___ oxy s on highest hit
☐ Run ___ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
QA	3.11.03					W		2	X	X				
C-1		1321	X					3	X	X				
C-2		1610	X					3	X	X				
C-3		1138	X					3	X	X				
C-4		1230	X					3	X	X				
C-5		1053	X					3	X	X				
C-6		1411	X					3	X	X				
C-7		1501	X					3	X	X				
C-8		0939	X					3	X	X				
C-9		0845	X					3	X	X				

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Frank Terrinoni			DV	3/12/03	14
DV	3/12/03	1400	Andrea Arriaga	3-12-03	1401
Andrea Arriaga	3-12-03	1600	Airborne	3-12-03	
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	3/12/03	9A
Temperature Upon Receipt 2.5 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

RECEIVED

MAR 2 6 2003

GETTLER-RYAN INC.
GENERAL CONTRACTORS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583
925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 844535. Samples arrived at the laboratory on Thursday, March 13, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-030311	NA	Water	4010354
C-1-W-030311	Grab	Water	4010355
C-2-W-030311	Grab	Water	4010356
C-3-W-030311	Grab	Water	4010357
C-4-W-030311	Grab	Water	4010358
C-5-W-030311	Grab	Water	4010359
C-6-W-030311	Grab	Water	4010360
C-7-W-030311	Grab	Water	4010361
C-8-W-030311	Grab	Water	4010362
C-9-W-030311	Grab	Water	4010363

) COPY TO	Cambria C/O Gettler- Ryan	Attn: Deanna L. Harding
ELECTRONIC COPY TO	Gettler-Ryan	Attn: Cheryl Hansen

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Victoria M. Martell
Chemist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 · 717-656-2300 Fax: 717-656-2681 · www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010354

Collected:03/11/2003 00:00

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
QA-T-030311 NA Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications for the MS/MSD associated with this sample.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/16/2003 22:02	Steven A Skiles	1
02159	BTEX, MTBE	SW-846 8021B	1	03/16/2003 22:02	Steven A Skiles	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/16/2003 22:02	Steven A Skiles	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010355

Collected:03/11/2003 13:21 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-1-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	3,500.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications for the MS/MSD associated with this sample.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	1,100.	2.5	ug/l	5
02164	Toluene	108-88-3	9.1	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	12.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	8.0	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	1,600.	13.	ug/l	5

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/16/2003 23:09	Steven A Skiles	5
02159	BTEX, MTBE	SW-846 8021B	1	03/16/2003 23:09	Steven A Skiles	5
01146	GC VOA Water Prep	SW-846 5030B	1	03/16/2003 23:09	Steven A Skiles	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010356

Collected: 03/11/2003 16:10 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-2-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	23,000.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications for the MS/MSD associated with this sample.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	2,000.	5.0	ug/l	10
02164	Toluene	108-88-3	280.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	1,100.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	2,100.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	990.	25.	ug/l	10

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/16/2003 23:43	Steven A Skiles	10
02159	BTEX, MTBE	SW-846 8021B	1	03/16/2003 23:43	Steven A Skiles	10
01146	GC VOA Water Prep	SW-846 5030B	1	03/16/2003 23:43	Steven A Skiles	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010357

Collected: 03/11/2003 11:38 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-3-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications for the MS/MSD associated with this sample.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	2.1	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	18.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/17/2003 00:16	Steven A Skiles	1
02159	BTEX, MTBE	SW-846 8021B	1	03/17/2003 00:16	Steven A Skiles	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/17/2003 00:16	Steven A Skiles	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010358

Collected:03/11/2003 12:30 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-4-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	5,500.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	490.	2.5	ug/l	5
02164	Toluene	108-88-3	12.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	100.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	210.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	330.	13.	ug/l	5

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/18/2003 16:23	Melissa D Mann	5
02159	BTEX, MTBE	SW-846 8021B	1	03/18/2003 16:23	Melissa D Mann	5
01146	GC VOA Water Prep	SW-846 5030B	1	03/18/2003 16:23	Melissa D Mann	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010359

Collected:03/11/2003 10:53 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-5-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	3.2	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/18/2003 16:57	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/18/2003 16:57	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/18/2003 16:57	Melissa D Mann	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010360

Collected:03/11/2003 14:11 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-6-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	410.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	8.8	0.50	ug/l	1
02164	Toluene	108-88-3	0.88	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	120.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/18/2003 17:30	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/18/2003 17:30	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/18/2003 17:30	Melissa D Mann	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 · 717-656-2300 Fax:717-656-2681 · www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010361

Collected:03/11/2003 15:01 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-7-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	4,900.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	940.	5.0	ug/l	10
02164	Toluene	108-88-3	13.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	150.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	160.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	25.	ug/l	10
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/18/2003 18:04	Melissa D Mann	10
02159	BTEX, MTBE	SW-846 8021B	1	03/18/2003 18:04	Melissa D Mann	10
01146	GC VOA Water Prep	SW-846 5030B	1	03/18/2003 18:04	Melissa D Mann	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010362

Collected:03/11/2003 09:39 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-8-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/18/2003 18:37	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/18/2003 18:37	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/18/2003 18:37	Melissa D Mann	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4010363

Collected:03/11/2003 08:45 by FT

Account Number: 10904

Submitted: 03/13/2003 09:50
Reported: 03/24/2003 at 15:12
Discard: 04/24/2003
C-9-W-030311 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 90076 Job# 386495 GRD
4265 Foothill Bvd Oakland T0600100339 C-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/18/2003 19:11	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/18/2003 19:11	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/18/2003 19:11	Melissa D Mann	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 844535
Reported: 03/24/03 at 03:13 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03075A16A	Sample number(s): 4010354-4010357							
TPH-GRO - Waters	N.D.	50.	ug/l	108	111	70-130	3	30
Benzene	N.D.	.5	ug/l	113	112	80-118	1	30
Toluene	N.D.	.5	ug/l	111	111	82-119	0	30
Ethylbenzene	N.D.	.5	ug/l	108	108	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	109	109	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	117	118	79-127	1	30
Batch number: 03076A53A	Sample number(s): 4010358-4010363							
TPH-GRO - Waters	N.D.	50.	ug/l	120	126	70-130	5	30
Benzene	N.D.	.5	ug/l	97	99	80-118	2	30
Toluene	N.D.	.5	ug/l	98	100	82-119	3	30
Ethylbenzene	N.D.	.5	ug/l	97	100	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	101	104	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	106	108	79-127	3	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03075A16A	Sample number(s): 4010354-4010357								
TPH-GRO - Waters	95	90	70-130	1	30				
Benzene	(2)	(2)	67-136	3	20				
Toluene	120	111	78-129	4	30				
Ethylbenzene	(2)	(2)	75-133	4	30				
Total Xylenes	102	86	86-132	4	30				
Methyl tert-Butyl Ether	(2)	(2)	66-136	3	30				
Batch number: 03076A53A	Sample number(s): 4010358-4010363								
TPH-GRO - Waters	123	124	70-130	1	30				
Benzene	102	107	67-136	5	20				
Toluene	103	107	78-129	4	30				
Ethylbenzene	104	107	75-133	4	30				
Total Xylenes	106	111	86-132	4	30				
Methyl tert-Butyl Ether	107	116	66-136	8	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE
Batch number: 03075A16A

	Trifluorotoluene-F	Trifluorotoluene-P
4010354	108	119
4010355	116	122
4010356	134	132
4010357	110	117
Blank	109	119
LCS	115	119

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 844535
Reported: 03/24/03 at 03:13 PM

Surrogate Quality Control

LCSD	112	119
MS	196*	133
MSD	195*	131
Limits:	57-146	66-136

Analysis Name: BTEX, MTBE
Batch number: 03076A53A

	Trifluorotoluene-F	Trifluorotoluene-P
4010358	103	109
4010359	91	97
4010360	109	110
4010361	98	101
4010362	97	101
4010363	96	100
Blank	94	99
LCS	101	102
LCSD	101	101
MS	108	102
MSD	107	101
Limits:	57-146	66-136

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

3768.01

6747 Sierra Court, Suite J
Dublin, CA 94568-2611
925-551-7555 ext. 171 FAX 925-551-7899

Gettler - Ryan Inc.

Fax

To: Alok D. Kolekar

From: Denise Vance

Fax:510-874-3268

Date:01/02/03

Phone:510-893-3600

Pages: 11

Re: JOINT MONITORING *w/Chevron #9-0076*

On:12/11/02

Re:BP#11109- 4280 Foothill Blvd., Oakland

Enclosed:

Please fax your:

- [x] Gauging Data
- [x] Analytical Lab for the above-mentioned site.

- [x] Gauging Data
- [x] Analytical Lab

Thanks,
Denise Vance

GETTLER-RYAN INC.

GROUNDWATER MONITORING SUMMARY SHEET

CLIENT/
FACILITY: ChevronTexaco #9-0076 JOB #: 386495
ADDRESS: 4265 Foothill Blvd. DATE: 12.11.02 (inclusive)
CITY: Oakland, CA SAMPLER: ET

Well ID	Total Well Depth	Depth to Water	Product Thickness (ft)	List Item IN Well	Additional Comments
C-1	38.05	18.60	0	ONC	22.0
C-2	35.95	22.11		ONC	16.0
C-3	39.22	21.75			20.0
C-4	39.30	21.97		ONC	20.0
C-5	43.85	21.82			ANNUAL (3)
C-6	53.69	24.18		ONC	15.0
C-7	50.88	30.75			10.0
C-8	56.14	27.31			ANNUAL (3)
C-9	45.25	27.07			↓
					103.0 TOTAL

Comments

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 10905 For Lancaster Laboratories use only Sample #: 396299G-3002 SCR#: 834904

12130Z-009

Facility #: 9-0076 Job# 386495 Global ID# T0600100339
Site Address: 4265 Foothill Blvd., Oakland, CA
Chevron PM: Karen Streich Lead Consultant: Delta/G-R
Consultant/Office: G-R Inc, 6747 Sierra Ct, Dublin, CA 94568
Consultant Pj. Mgr.: Deanna L. Harding Deanna@grinc.com
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: FRANK TERRIZZI
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES; Soil; Water; Oil ☐ Air ☐

Analyses Requested — Preservation Codes: H|H

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐
Q4	12-11-02					W			2	X	X				
C-1	↓	1224	X			↓			3	X	X				
C-2		1331	X						3	X	X				
C-3		1045	X						3	X	X				
C-4		1154	X						3	X	X				
C-5		1119	X						3	X	X				
C-6	↓	1259	X			↓			3	X	X				

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
6021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coeli Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Frank Terrizzi	12-11-02		Brad Kelly	12/12/02	1131
Brad Kelly	12/12/02	1300	Jonathan Amaya	12-12-02	1300
Jonathan Amaya	12-12-02	1500	Airborne	12-12-02	
Relinquished by Commercial Carrier: UPS FedEx Other Airborne			Received by:	12/13/02	10
Temperature Upon Receipt 2° C°			Custody Seals Intact? Yes No		

Lancaster Laboratories
Where quality is a science.

FAX Cover Page

Pages 8

CONFIDENTIAL MATERIAL

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

If received in error, please notify sender at once and return the original faxed transmission by U. S. Postal Service to the address indicated below. Thank you.

2425 New Holland Pike
Lancaster, PA 17605-2425

Phone: 717-656-2300
Fax: 717-656-2681

Deliver to: Deanna L. Harding

Company: Delta C/O Gettler-Ryan

Fax: 1925-551-7899

From: Lancaster Labs Auto Report

Message:

Client Service Representative: Teresa M. Lis

Lancaster Laboratories Analytical Report

2425 New Holland Pike, Lancaster, PA 17603

Sample Number: WW 3962996

Collected: 12/11/2002 00:00

Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-021211 NA Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 QA

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2002 21:46	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/18/2002 21:46	Melissa D Mann	1

Sample Number: WW 3962997

Collected: 12/11/2002 12:24 by FT

Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C-1-W-021211 Grab Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-1

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: WW 3962997

01730	TPH-GRO - Waters	n.a.	180.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	4.2	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	1.1	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	350.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2002 22:19	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/18/2002 22:19	Melissa D Mann	1

Sample Number: WW 3962998

Collected: 12/11/2002 13:31 by FT

Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C-2-W-021211 Grab Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-2

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	8,700.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1,300.	1.0	ug/l	5
00777	Toluene	108-88-3	24.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	100.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	250.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	1,900.	2.5	ug/l	5

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: WW 3962998

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2002 22:52	Melissa D Mann	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/18/2002 22:52	Melissa D Mann	5

Sample Number: WW 3962999

Collected: 12/11/2002 10:45 by FT

Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C-3-W-021211 Grab Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-3

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	79.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1.5	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	96.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2002 23:26	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/18/2002 23:26	Melissa D Mann	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: WW 3963000

Collected: 12/11/2002 11:54 by FT

Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C-4-W-021211 Grab Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-4

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	0.74	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	9.3	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/19/2002 22:48	Martha L Seidel	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/19/2002 22:48	Martha L Seidel	1

Sample Number: WW 3963001

Collected: 12/11/2002 11:19 by FT

Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C-6-W-021211 Grab Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-6

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	430.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: WW 3963001

08214 BTEX, MTBE (8021)

00776	Benzene	71-43-2	17.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	100.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/20/2002 02:43	Martha L Seidel	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/20/2002 02:43	Martha L Seidel	1

Sample Number: WW 3963002

Collected: 12/11/2002 12:59 by FT
Account: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 13:55

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C-7-W-021211 Grab Water
Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-7

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	6,000.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1,100.	1.0	ug/l	5
00777	Toluene	108-88-3	9.3	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	190.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	190.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D. #	10.	ug/l	5
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent. MTBE					

State of California Lab Certification No. 2116

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Analytical Report

2425 New Holland Pike, Lancaster, PA 17603

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/20/2002 04:24	Martha L Seidel	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/20/2002 04:24	Martha L Seidel	5

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quatitated on a diluted sample	**N**	Spike amount not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
J	Estimated value	**U**	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	**W**	Post digestion spike out of control limits
P	Concentration difference between primary and confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA <0.995
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Joint Monitoring Data

Shell Station

WELL GAUGING DATA

Project # 030311-Ac1 Date 3-11-03 Client Shell

Site 4411 Foothill Blvd. Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
S-1	4	gauged	w/ ORC	in well		7.31	24.40	TOC	3 replace ORCs
S-2	4	gauged	w/ ORC	in well		9.25	22.10		1 replace ORC
S-3	4					7.32	20.04		5
S-4	4	strong odor				9.31	19.70		2
S-5	4					8.26	22.03	↓	4

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 5 Water Samples
Project Name : 4411 Foothill Boulevard, Oakland
Project Number : 030311-AC1
P.O. Number : 98995746

Dear Mr. Gearhart,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Subject : 5 Water Samples
Project Name : 4411 Foothill Boulevard, Oakland
Project Number : 030311-AC1
P.O. Number : 98995746

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples S-1, S-2, S-3, S-4 and S-5.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **030311-AC1**

Sample : **S-1** Matrix : Water Lab Number : 32121-01
Sample Date :3/11/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**71**	5.0	ug/L	EPA 8260B	3/17/2003
Toluene	**470**	5.0	ug/L	EPA 8260B	3/17/2003
Ethylbenzene	**1000**	5.0	ug/L	EPA 8260B	3/17/2003
Total Xylenes	**3300**	5.0	ug/L	EPA 8260B	3/17/2003
Methyl-t-butyl ether (MTBE)	**< 50**	50	ug/L	EPA 8260B	3/17/2003
TPH as Gasoline	**14000**	500	ug/L	EPA 8260B	3/17/2003
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	3/17/2003
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/17/2003
TPH as Diesel	**< 1600**	1600	ug/L	M EPA 8015	3/16/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **030311-AC1**

Sample : **S-2** Matrix : Water Lab Number : 32121-02
Sample Date :3/11/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**150**	2.0	ug/L	EPA 8260B	3/16/2003
Toluene	**5.5**	2.0	ug/L	EPA 8260B	3/16/2003
Ethylbenzene	**54**	2.0	ug/L	EPA 8260B	3/16/2003
Total Xylenes	**84**	2.0	ug/L	EPA 8260B	3/16/2003
Methyl-t-butyl ether (MTBE)	**870**	20	ug/L	EPA 8260B	3/16/2003
TPH as Gasoline	**2900**	200	ug/L	EPA 8260B	3/16/2003
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	3/16/2003
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	3/16/2003
TPH as Diesel	**< 1800**	1800	ug/L	M EPA 8015	3/16/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **030311-AC1**

Sample : **S-3** Matrix : Water Lab Number : 32121-03
Sample Date :3/11/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**29**	2.0	ug/L	EPA 8260B	3/17/2003
Toluene	**110**	2.0	ug/L	EPA 8260B	3/17/2003
Ethylbenzene	**190**	2.0	ug/L	EPA 8260B	3/17/2003
Total Xylenes	**1700**	2.0	ug/L	EPA 8260B	3/17/2003
Methyl-t-butyl ether (MTBE)	**< 20**	20	ug/L	EPA 8260B	3/17/2003
TPH as Gasoline	**8100**	200	ug/L	EPA 8260B	3/17/2003
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/17/2003
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/17/2003
TPH as Diesel	**< 1500**	1500	ug/L	M EPA 8015	3/16/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **030311-AC1**

Sample : **S-4** Matrix : Water Lab Number : 32121-04
Sample Date :3/11/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1900**	10	ug/L	EPA 8260B	3/17/2003
Toluene	**63**	10	ug/L	EPA 8260B	3/17/2003
Ethylbenzene	**360**	10	ug/L	EPA 8260B	3/17/2003
Total Xylenes	**280**	10	ug/L	EPA 8260B	3/17/2003
Methyl-t-butyl ether (MTBE)	**930**	100	ug/L	EPA 8260B	3/17/2003
TPH as Gasoline	**12000**	1000	ug/L	EPA 8260B	3/17/2003
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	3/17/2003
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	3/17/2003
TPH as Diesel	**< 5600**	5600	ug/L	M EPA 8015	3/16/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 32121
Date : 3/21/2003

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **030311-AC1**

Sample : **S-5** Matrix : Water Lab Number : 32121-05
Sample Date :3/11/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**28**	5.0	ug/L	EPA 8260B	3/16/2003
Toluene	**5.6**	5.0	ug/L	EPA 8260B	3/16/2003
Ethylbenzene	**59**	5.0	ug/L	EPA 8260B	3/16/2003
Total Xylenes	**15**	5.0	ug/L	EPA 8260B	3/16/2003
Methyl-t-butyl ether (MTBE)	**2400**	50	ug/L	EPA 8260B	3/16/2003
TPH as Gasoline	**2300**	500	ug/L	EPA 8260B	3/16/2003
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	3/16/2003
4-Bromofluorobenzene (Surr)	96.6		% Recovery	EPA 8260B	3/16/2003
TPH as Diesel	**< 900**	900	ug/L	M EPA 8015	3/16/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 32121

Date : 3/21/2003

QC Report : Method Blank Data

Project Name : **4411 Foothill Boulevard, Oakland**

Project Number : **030311-AC1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	3/15/2003
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/16/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/16/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/16/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/16/2003
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/16/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/16/2003
Toluene - d8 (Surr)	99.7		%	EPA 8260B	3/16/2003
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	3/16/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 32121

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/21/2003

Project Name : **4411 Foothill Boulevard,**

Project Number : **030311-AC1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	1030	1080	ug/L	M EPA 8015	3/15/03	103	108	4.63	70-130	25
Benzene	32117-04	<0.50	39.9	39.9	41.3	40.3	ug/L	EPA 8260B	3/16/03	104	101	2.57	70-130	25
Toluene	32117-04	<0.50	39.9	39.9	40.4	39.3	ug/L	EPA 8260B	3/16/03	101	98.6	2.75	70-130	25
Tert-Butanol	32117-04	1400	200	200	1600	1520	ug/L	EPA 8260B	3/16/03	121	85.0	35.0	70-130	25
Methyl-t-Butyl Ether	32117-04	37	39.9	39.9	72.2	73.8	ug/L	EPA 8260B	3/16/03	88.2	92.2	4.44	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 32121

QC Report : Laboratory Control Sample (LCS)

Date : 3/21/2003

Project Name : **4411 Foothill Boulevard,**

Project Number : **030311-AC1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/16/03	102	70-130
Toluene	40.0	ug/L	EPA 8260B	3/16/03	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/16/03	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/16/03	93.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

LAB: Kiff

SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

32121

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 6

SAP or CRMT NUMBER (TS/CRMT):

DATE: 3-11-03

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart	
TELEPHONE: 408-573-0555	FAX: 408-573-7771
E-MAIL: lgearhart@blainetech.com	
SITE ADDRESS (Street and City): 4411 Foothill Boulevard, Oakland	GLOBAL ID NO.: T0600101065
EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml	PHONE NO.: 510-420-3335
E-MAIL: ShellOaklandEDF@cambria-env.com	CONSULTANT PROJECT NO.: BTS # 030311-AK1
SAMPLER NAME(S) (Print): Aaron Costa	LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)		Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note				FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes / TEMPERATURE ON RECEIPT C°
	S-1	3/11	1105	GW	5	X	X	X								X									01
	S-2	3/11	1030		5	X	X	X								X									02
	S-3	3/11	1120		5	X	X	X								X									03
	S-4	3/11	1050		5	X	X	X								X									04
	S-5	3/11	1005	↓	5	X	X	X								X									05

Relinquished by: (Signature) Aaron Costa	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttal / Kiff Analytical	Date: 031203	Time: 1023

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702