ZO-403

URS

Alameda County
SEP 03 2004
Environmental Health

August 31, 2004

Mr. Robert Schultz
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Second 2004 Semi-Annual Groundwater Monitoring Report
Former BP Service Station #11133
2220 98th Avenue
Oakland, CA
URS Project #38486815

Dear Mr. Schultz:

On behalf of the Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Second 2004 Semi-Annual Groundwater Monitoring Report* for the Former BP Service Station #11133, located at 2220 98th Avenue, Oakland, California.

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

Sincerely,

URS CORPORATION

Leonard P. Niles

CERTIFIED HYDROGEOLOGIST
LEONARD P. NILES
NO.HG357
EXP. 3/31/06
STATE OF CALIFORNIA

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

Enclosure: Second 2004 Semi-Annual Groundwater Monitoring Report

cc: Mr. Kyle Christie, RM, (electronic copy uploaded to ENFOS)
Ms. Liz Sewell, ConocoPhilips, (electronic copy saved to URS ftp site)

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

SECOND 2004 SEMI-ANNUAL GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11133
2220 98TH AVENUE,
OAKLAND, CALIFORNIA

Prepared for
Atlantic Richfield Company

August 31, 2004

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486815

Date:	August 31, 2004
Quarter:	3Q 04

RM SECOND SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility No.: 11133	Address: 2220 98th Avenue, Oakland, CA
RM Environmental Business Manager:	Kyle Christie
Consulting Co./Contact Person:	URS Corporation / Leonard Niles
Consultant Project No.:	38486815
Primary Agency:	Alameda Country Environmental Health Services (ACEHS)

WORK PERFORMED THIS QUARTER (Third – 2004):

1. Performed second 2004 semi-annual groundwater monitoring event on July 1, 2004.
2. Prepared and submitted first quarter 2004 status report.
3. Prepared and submitted second 2004 semi-annual groundwater monitoring report.
4. Performed semi-annual free product measurement in well RW-1.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2004):

1. Prepare and submit fourth quarter 2004 status report.

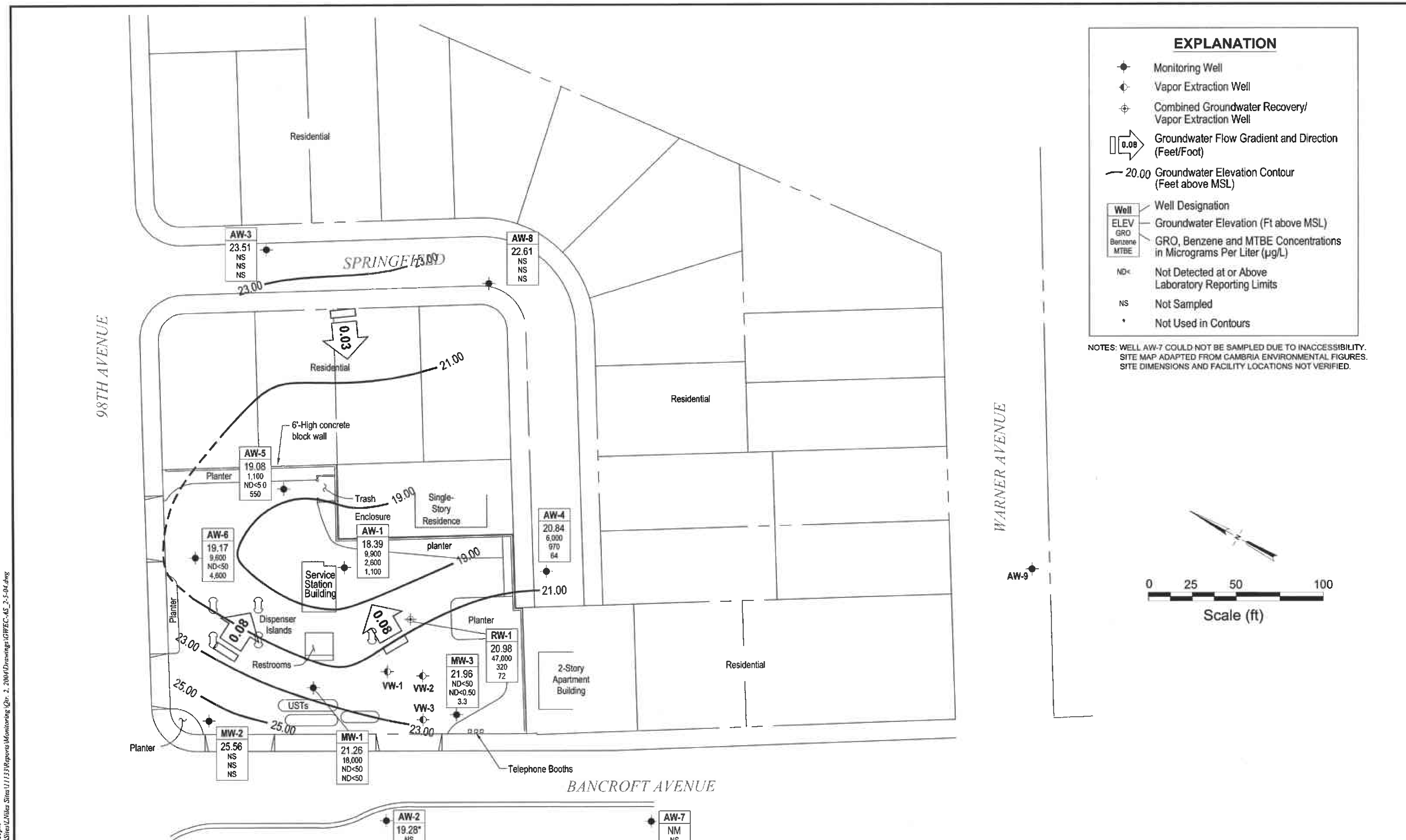
Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1, MW-3, AW-1, AW-4, AW-5, AW-6, RW-1 semi-annual (1st and 3rd quarters); AW-2 annual (1st quarter); MW-2, AW-3, AW-7, AW-8 not sampled; free product gauging of RW-1 semiannual
Frequency of Groundwater	Semiannual
Is Free Product (FP) Present On-Site:	Sheen in MW-1
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	9.94 (MW-2) to 19.72 (AW-1) feet
Groundwater Gradient (direction):	Variable; Southwest to Northeast
Groundwater Gradient (magnitude):	Variable; 0.03 to 0.08 feet per foot

DISCUSSION:

Gasoline Range Organics (GRO) were detected above the laboratory reporting limits in six of the seven wells sampled at concentrations ranging from 1,100 μg/L (AW-5) to 47,000 μg/L (RW-1). Benzene was detected above the laboratory reporting limits in three wells at concentrations ranging from 320 μg/L (RW-1) to 2,600 μg/L (AW-1). Methyl tert-butyl ether (MTBE) was detected above the laboratory reporting limits in all six wells sampled at concentrations ranging from 3.3 μg/L (MW-3) to 4,600 μg/L (AW-6). Tert-butyl alcohol (TBA) was detected above the laboratory reporting limits in one well at a concentration of 1,600 μg/L (AW-5). Tert-amyl mether ether (TAME) above the laboratory reporting limits was detected in four wells at concentrations ranging from 9.6 μg/L (AW-4) to 1,600 μg/L (AW-6). No other fuel oxygenates were detected above their respective laboratory reporting limits.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – July 1, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Attachment A – Concentration and Water Level Trends (AW-1)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation



URS	Project No. 38486815 Former BP Service Station #11133 2220 98th Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2004 (July 1, 2004)	FIGURE 1

jlating0 Aug 30, 2004 - 3:33pm X:\x_env_waste\BP GEM\Sites\Niles Sites\11133\Reports\Monitoring\Qtr. 2, 2004\Drawings\GWEC-AS_2-5-04.dwg

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-1	4/5/1991	--	38.11	25.44	--	12.67	4,100	1,500	69	100	83	--	--	SUP	--	
	4/1/1992	--	38.11	23.22	--	14.89	--	--	--	--	--	--	--	---	--	
	4/2/1992	--	38.11		--		11,000	1,800	210	210	490	--	--	APP	--	
	7/6/1992	--	38.11	24.89	--	13.22	6,500	4,000	40	290	530	--	--	ANA	--	
	10/7/1992	--	38.11	--	--	--	2,900	1,200	25	37	210	--	--	ANA	--	QC-1, e
	10/7/1992	--	38.11	26.55	--	11.56	4,700	1,500	41	47	300	--	--	ANA	--	
	1/14/1993	--	38.11	--	--	--	4,100	1,700	28	130	230	--	--	PACE	--	QC-1, e, m
	1/14/1993	--	38.11	23.73	--	14.38	2,800	830	31	140	240	--	--	PACE	--	
	4/22/1993	--	38.11	--	--	--	39,000	14,000	530	1,800	6,100	987	--	PACE	--	m
	7/15/1993	--	38.11	22.50	--	15.61	6,200	2,200	28	210	540	838	--	PACE	--	c, m
	10/21/1993	--	38.11	24.32	--	13.79	2,400	820	13	55	120	832	--	PACE	--	c, m
	1/27/1994	--	38.11	23.72	--	14.39	3,500	1,400	26	130	220	650	--	PACE	--	c, m
	4/21/1994	--	38.11	22.48	--	15.63	40,000	12,000	1,900	1,600	5,000	1,119	1.4	PACE	--	c, m
	9/9/1994	--	38.11	--	--	--	3,900	1,900	5.5	190	240	--	--	PACE	--	QC-1, e
	9/9/1994	--	38.11	23.04	--	15.07	3,500	1,600	5	200	250	--	2.1	PACE	--	m
	12/21/1994	--	38.11	21.70	--	16.41	7,600	3,100	36	370	320	855	1.6	PACE	--	
	1/30/1995	--	38.11	17.71	--	20.40	35,000	23,000	650	3,200	4,100	--	1.7	ATI	--	
	4/10/1995	--	38.11	--	--	--	56,000	17,000	2,000	3,900	10,000	--	--	ATI	--	QC-1, e
	4/10/1995	--	38.11	20.04	--	18.07	60,000	18,000	2,000	4,300	11,000	--	7.9	ATI	--	
	6/29/1995	--	38.11	--	--	--	86,000	12,000	8,400	4,800	18,000	--	--	ATI	--	QC-1, e
	6/29/1995	--	38.11	20.60	--	17.51	72,000	10,000	7,300	4,200	15,000	--	6.2	ATI	--	
	9/18/1995	--	38.11	21.87	--	16.24	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	38.11		--		65,000	12,000	3,100	4,400	14,000	1,000	8.5	ATI	--	
	12/7/1995	--	38.11	22.06	--	16.05	25,000	8,700	<50	2,500	1,300	1,100	2.9	ATI	--	
	3/28/1996	--	38.11	16.91	--	21.20	24,000	11,000	<100	3,200	3,390	<1000	6.6	SPL	--	
	6/20/1996	--	38.11	20.82	--	17.29	38,000	6,900	1,100	3,200	7,300	<100	6.4	SPL	--	
	10/11/1996	--	38.11	23.20	--	14.91	33,000	8,500	69	3,300	4,230	580	6.3	SPL	--	
	1/2/1997	--	38.11	20.41	--	17.70	32,000	8,000	<50	3,100	2,300	700	6.7	SPL	--	
	4/14/1997	--	38.11	21.61	--	16.50	--	--	--	--	--	--	--	---	--	
	4/15/1997	--	38.11		--		31,000	5,000	160	2,400	4,540	340	5.4	SPL	--	
	7/2/1997	--	38.11	21.17	--	16.94	26,000	5,800	<100	2,600	2,200	<1000	6.2	SPL	--	
	9/30/1997	--	38.11	21.48	--	16.63	29,000	9,200	17	1,400	130	560	6.9	SPL	--	
	1/21/1998	--	38.11	20.02	--	18.09	50,000	6,900	450	3,200	4,450	720	5.8	SPL	--	
	4/9/1998	--	38.11	13.37	--	24.74	--	--	--	--	--	--	--	---	--	

Table 1

Groundwater Elevation and Analytical Data

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2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-1	4/10/1998	--	38.11		--		46,000	5,800	1,900	3,000	7,400	1,000	4.3	SPL	--	
	6/19/1998	--	38.11	--	--	--	43,000	6,800	260	3,100	3,490	620	--	SPL	--	QC-1, e
	6/19/1998	--	38.11	19.12	--	18.99	42,000	6,600	200	3,000	3,350	660	4.9	SPL	--	
	11/30/1998	--	38.11	21.13	--	16.98	23,000	6,700	<25	3,100	130	710/820	--	SPL	--	g
	1/21/1999	--	38.11	20.77	--	17.34	25,000	4,800	54	2,800	780	1,000	--	SPL	--	
	4/30/1999	--	38.11	20.80	--	17.31	21,000	5,300	67	2,800	750	1,500	--	SPL	--	
	7/9/1999	--	38.11	20.41	--	17.70	11,000	3,000	<10	760	180	1,300	--	SPL	--	
	11/3/1999	--	38.11	20.82	--	17.29	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	38.11	19.99	--	18.12	330,000	5,300	10	2,900	560	2,200	--	PACE	--	
	4/13/2000	--	38.11	20.14	--	17.97	--	--	--	--	--	--	--	---	--	
	5/24/2000	--	38.11	20.17	--	17.94	--	--	--	--	--	--	--	---	--	
	6/1/2000	--	38.11	23.05	--	15.06	--	--	--	--	--	--	--	---	--	
	6/8/2000	--	38.11	17.08	--	21.03	--	--	--	--	--	--	--	---	--	
	6/15/2000	--	38.11	16.93	--	21.18	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	38.11	20.07	--	18.04	15,000	290	98	77	220	37,000	--	PACE	--	
	10/24/2000	--	38.11	20.10	--	18.01	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	38.11	19.82	--	18.29	7,600	2,220	10.9	415	58.4	1,630	--	PACE	--	
	7/24/2001	--	38.11	19.86	--	18.25	9,600	2,140	6.34	281	43	1,440	--	PACE	--	
	1/18/2002	--	38.11	15.60	--	22.51	20,000	2,170	75.2	1,800	2,080	1,250	--	PACE	--	
	8/1/2002*	--	38.11	19.55	--	18.56	14,000	2,150	<12.5	197	42.4	1,120	--	PACE	--	
	1/16/2003	--	38.11	16.32	--	21.79	15,000	2,300	75	1,600	1,800	1,100	--	SEQ	--	p
	7/7/2003	--	38.11	19.80	SHEEN	18.31	9,700	1,600	<25	540	110	--	--	SEQ	--	q
	02/05/2004	--	38.11	18.75	--	19.36	12,000	2,000	<50	820	590	930	--	SEQM	6.7	odor
	07/01/2004	**P**	**38.11**	**19.72**	**--**	**18.39**	**9,900**	**2,600**	**<25**	**300**	**<25**	**1,100**	**--**	**SEQM**	**6.5**	
AW-2	4/5/1991	--	36.83	22.36	--	14.47	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	
	4/1/1992	--	36.83	20.81	--	16.02	--	--	--	--	--	--	--	---	--	
	4/2/1992	--	36.83		--		130	25	2.3	0.7	2.1	--	--	APP	--	
	7/6/1992	--	36.83	23.57	--	13.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	10/7/1992	--	36.83	25.24	--	11.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	1/14/1993	--	36.83	20.82	--	16.01	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	36.83	19.37	--	17.46	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	7/15/1993	--	36.83	21.29	--	15.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
	10/21/1993	--	36.83	23.14	--	13.69	<50	1.3	1.1	0.9	2.1	<5.0	--	PACE	--	m

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Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-2	1/27/1994	--	36.83	22.34	--	14.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/21/1994	--	36.83	21.15	--	15.68	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2	PACE	--	m
	9/9/1994	--	36.83	22.09	--	14.74	<50	<0.5	<0.5	<0.5	<0.5	--	4.1	PACE	--	m
	12/21/1994	--	36.83	20.12	--	16.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2	PACE	--	m
	1/30/1995	--	36.83	16.65	--	20.18	<50	<0.50	<0.50	<0.50	<1.0	--	2.5	ATI	--	
	4/10/1995	--	36.83	16.22	--	20.61	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	
	6/29/1995	--	36.83	17.55	--	19.28	<50	<0.50	<0.50	<0.50	<1.0	--	7.8	ATI	--	
	9/18/1995	--	36.83	19.87	--	16.96	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	36.83	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	QC-1, e
	9/19/1995	--	36.83		--		<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.5	ATI	--	
	12/7/1995	--	36.83	21.31	--	15.52	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.9	ATI	--	
	3/28/1996	--	36.83	15.61	--	21.22	<50	<0.5	<1	<1	<1	<10	4.1	SPL	--	
	6/20/1996	--	36.83	16.30	--	20.53	<50	<0.5	<1	<1	<1	<10	5.2	SPL	--	
	10/11/1996	--	36.83	19.60	--	17.23	<50	<0.5	<1.0	<1.0	<1.0	<10	6	SPL	--	
	1/2/1997	--	36.83	15.97	--	20.86	<50	<0.5	<1.0	<1.0	<1.0	<10	6.1	SPL	--	
	4/14/1997	--	36.83	17.19	--	19.64	<50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	
	7/2/1997	--	36.83	18.11	--	18.72	<50	<0.5	<1.0	<1.0	<1.0	<10	5.7	SPL	--	
	9/30/1997	--	36.83	18.52	--	18.31	<50	<0.5	<1.0	<1.0	<1.0	860	5.4	SPL	--	
	1/21/1998	--	36.83	14.46	--	22.37	160	13	<1.0	<1.0	<1.0	110	4.9	SPL	--	
	4/9/1998	--	36.83	12.85	--	23.98	--	--	--	--	--	--	--	---	--	
	4/10/1998	--	36.83		--		<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
	6/19/1998	--	36.83	14.37	--	22.46	60	<0.5	<1.0	<1.0	<1.0	<10	3.6	SPL	--	
	11/30/1998	--	36.83	16.90	--	19.93	--	--	--	--	--	--	--	---	--	
	1/21/1999	--	36.83	16.87	--	19.96	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	SPL	--	
	4/30/1999	--	36.83	17.01	--	19.82	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	36.83	17.83	--	19.00	--	--	--	--	--	--	--	---	--	
	11/3/1999	--	36.83	19.74	--	17.09	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	36.83	19.90	--	16.93	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
	4/13/2000	--	36.83	19.75	--	17.08	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	36.83	19.86	--	16.97	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	36.83	18.77	--	18.06	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	36.83		--		--	--	--	--	--	--	--	---	--	f
	7/24/2001	--	36.83		--		--	--	--	--	--	--	--	---	--	f
	1/18/2002	--	36.83	15.17	--	21.66	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-2	8/1/2002*	--	36.83	17.17	--	19.66	--	--	--	--	--	--	--	---	--	
	1/16/2003	--	36.83	14.81	--	22.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	--	p
	7/7/2003	--	36.83	16.65	--	20.18	--	--	--	--	--	--	--	---	--	
	02/05/2004	--	36.83	15.37	--	21.46	<50	3.0	<0.50	<0.50	<0.50	5.1	--	SEQM	--	
	07/01/2004	**--**	**36.83**	**17.55**	**--**	**19.28**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
AW-3	4/5/1991	--	39.13	23.90	--	15.23	5,200	980	450	95	310	--	--	SUP	--	
	4/1/1992	--	39.13	22.50	--	16.63	4,700	890	47	43	110	--	--	APP	--	
	7/6/1992	--	39.13	23.26	--	15.87	3,900	3,100	30	80	99	--	--	ANA	--	
	10/7/1992	--	39.13	24.75	--	14.38	5,000	2,600	<0.5	<0.5	59	--	--	ANA	--	
	1/14/1993	--	39.13	23.59	--	15.54	350	250	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	39.13	19.42	--	19.71	240	71	2.4	0.6	4	--	--	PACE	--	m
	7/15/1993	--	39.13	20.09	--	19.04	650	71	2.8	1.5	1.1	37.3	--	PACE	--	c, m
	10/21/1993	--	39.13	--	--	--	170	6.1	2	1.7	4.4	--	--	PACE	--	QC-1, e
	10/21/1993	--	39.13	21.88	--	17.25	160	4.8	1.7	1.6	3.6	8.95	--	PACE	--	m
	1/27/1994	--	39.13	--	--	--	90	2.9	0.5	<0.5	<0.5	--	--	PACE	--	QC-1, e
	1/27/1994	--	39.13	22.33	--	16.80	92	2.1	<0.5	<0.5	<0.5	7.37	--	PACE	--	m
	4/21/1994	--	39.13	20.96	--	18.17	150	3.6	0.8	0.9	2.5	9.36	1.3	PACE	--	m
	9/9/1994	--	39.13	21.60	--	17.53	53	<0.5	<0.5	<0.5	<0.5	--	1.9	PACE	--	m
	12/21/1994	--	39.13		--		--	--	--	--	--	--	--	---	--	f
	1/30/1995	--	39.13		--		--	--	--	--	--	--	--	---	--	f
	4/10/1995	--	39.13		--		--	--	--	--	--	--	--	---	--	f
	6/29/1995	--	39.13	15.41	--	23.72	<50	<0.50	<0.50	<0.50	<1.0	--	8	ATI	--	
	9/18/1995	--	39.13	17.83	--	21.30	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	39.13		--		61,000	11,000	2,900	4,100	13,000	790	7.4	ATI	--	
	12/7/1995	--	39.13	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	QC-1, e
	12/7/1995	--	39.13	19.27	--	19.86	<50	<0.50	<0.50	<0.50	<1.0	<5.0	3.4	ATI	--	
	3/28/1996	--	39.13	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	QC-1, e
	3/28/1996	--	39.13	13.85	--	25.28	<50	<0.5	<1	<1	<1	<10	4.1	SPL	--	
	6/20/1996	--	39.13	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	QC-1, e
	6/20/1996	--	39.13	14.47	--	24.66	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
	10/11/1996	--	39.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	QC-1, e
	10/11/1996	--	39.13	17.97	--	21.16	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
	1/2/1997	--	39.13	13.00	--	26.13	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-3	4/14/1997	--	39.13	14.36	--	24.77	<50	<0.5	<1.0	<1.0	<1.0	<10	5	SPL	--	
	4/15/1997	--	39.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	QC-1, e
	7/2/1997	--	39.13	15.87	--	23.26	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	SPL	--	
	9/30/1997	--	39.13	17.50	--	21.63	<250	<2.5	<5.0	<5.0	<5.0	810	5.7	SPL	--	
	1/21/1998	--	39.13	--	--	--	150	<0.5	<1.0	<1.0	1.2	110	--	SPL	--	QC-1, e
	1/21/1998	--	39.13	11.98	--	27.15	140	<0.5	<1.0	<1.0	<1.0	99	4.6	SPL	--	
	4/9/1998	--	39.13	9.45	--	29.68	--	--	--	--	--	--	--	---	--	
	4/10/1998	--	39.13	--	--	--	<50	<0.5	<1.0	1.4	1.7	<10	--	SPL	--	QC-1, e
	4/10/1998	--	39.13		--		<50	<0.5	<1.0	<1.0	1.6	<10	4.5	SPL	--	
	6/19/1998	--	39.13	12.13	--	27.00	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
	11/30/1998	--	39.13	15.91	--	23.22	--	--	--	--	--	--	--	---	--	
	1/21/1999	--	39.13	15.93	--	23.20	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	SPL	--	
	4/30/1999	--	39.13	15.98	--	23.15	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	39.13	14.58	--	24.55	--	--	--	--	--	--	--	---	--	
	11/3/1999	--	39.13	17.43	--	21.70	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	39.13	18.30	--	20.83	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
	4/13/2000	--	39.13	18.89	--	20.24	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	39.13	18.67	--	20.46	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	39.13	18.98	--	20.15	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	39.13	16.74	--	22.39	--	--	--	--	--	--	--	---	--	
	7/24/2001	--	39.13	18.55	--	20.58	--	--	--	--	--	--	--	---	--	
	1/18/2002	--	39.13	14.49	--	24.64	--	--	--	--	--	--	--	---	--	
	8/1/2002*	--	39.13	14.27	--	24.86	--	--	--	--	--	--	--	---	--	
	1/16/2003	--	39.13	14.25	--	24.88	--	--	--	--	--	--	--	---	--	
	7/7/2003	--	39.13	14.70	--	24.43	--	--	--	--	--	--	--	---	--	
	02/05/2004	--	39.13	14.61	--	24.52	--	--	--	--	--	--	--	--	--	
	07/01/2004	**--**	**39.13**	**15.62**	**--**	**23.51**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
AW-4	4/5/1991	--	39.08	25.12	--	13.96	110,000	40,000	13,000	2,000	5,500	--	--	SUP	--	
	4/1/1992	--	39.08	--	--	--	210,000	55,000	23,000	2,900	7,000	--	--	APP	--	QC-1, e
	4/1/1992	--	39.08	23.56	--	15.52	230,000	57,000	31,000	2,900	7,600	--	--	APP	--	
	7/6/1992	--	39.08	25.87	--	13.21	38,000	16,000	5,400	2,000	6,100	--	--	ANA	--	
	10/7/1992	--	39.08	27.53	--	11.55	120,000	41,000	26,000	4,700	13,000	--	--	ANA	--	
	1/14/1993	--	39.08	24.12	--	14.96	62,000	18,000	14,000	2,700	7,700	1,400	--	PACE	--	c, m

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-4	4/22/1993	--	39.08	21.47	--	17.61	18,000	1,100	2,100	320	3,500	--	--	PACE	--	m
	7/15/1993	--	39.08	23.30	--	15.78	21,000	820	2,300	590	3,800	1,978	--	PACE	--	c, m
	10/21/1993	--	39.08	25.08	--	14.00	11,000	570	83	630	2,300	4,600	--	PACE	--	c, m
	1/27/1994	--	39.08	24.61	--	14.47	12,000	420	460	600	2,200	6,400	--	PACE	--	c, m
	4/21/1994	--	39.08	--	--	--	14,000	71	160	29	1,200	13,000	--	PACE	--	QC-1, e
	4/21/1994	--	39.08	22.96	--	16.12	12,000	110	250	150	1,900	16,010	1.5	PACE	--	m
	9/9/1994	--	39.08	23.85	--	15.23	9,700	75	64	280	2,000	--	2.1	PACE	--	
	12/21/1994	--	39.08		--		--	--	--	--	--	--	--	---	--	f
	1/30/1995	--	39.08		--		--	--	--	--	--	--	--	---	--	f
	4/10/1995	--	39.08	18.07	--	21.01	3,700	69	8.7	44	130	--	8.5	ATI	--	
	6/29/1995	--	39.08	19.25	--	19.83	8,000	62	190	190	1,100	--	7.5	ATI	--	
	9/18/1995	--	39.08	20.73	--	18.35	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	39.08		--		12,000	660	1,600	200	1,900	7,100	8.3	ATI	--	
	12/7/1995	--	39.08	22.49	--	16.59	41,000	8,400	7,200	710	6,300	5,200	3.6	ATI	--	
	3/28/1996	--	39.08	16.49	--	22.59	--	--	--	--	--	--	--	---	--	f
	6/20/1996	--	39.08	16.00	--	23.08	<50	<0.5	<1	<1	<1	12	--	SPL	--	
	10/11/1996	--	39.08	19.52	--	19.56	36,000	12,000	5,500	<25	3,800	880/1000	6.2	SPL	--	g
	1/2/1997	--	39.08	--	--	--	<50	61	3.8	3.5	8.1	110	--	SPL	--	QC-1, e
	1/2/1997	--	39.08	15.80	--	23.28	<50	<0.5	<1.0	<1.0	<1.0	22	6.4	SPL	--	
	4/14/1997	--	39.08	17.01	--	22.07	--	--	--	--	--	--	--	---	--	
	4/15/1997	--	39.08		--		<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	SPL	--	
	7/2/1997	--	39.08	19.68	--	19.40	<50	21	<1.0	<1.0	<1.0	41	4.1	SPL	--	
	9/30/1997	--	39.08	22.71	--	16.37	--	--	--	--	--	--	--	---	--	f
	1/21/1998	--	39.08	15.89	--	23.19	13,000	2,900	<10	230	314	3,100	3.9	SPL	--	
	4/9/1998	--	39.08	13.50	--	25.58	--	--	--	--	--	--	--	---	--	
	4/10/1998	--	39.08		--		890	<0.5	<1	<1	<1	730	4.9	SPL	--	
	6/19/1998	--	39.08	14.75	--	24.33	60	<0.5	<1.0	<1.0	<1.0	34	4.3	SPL	--	
	11/30/1998	--	39.08	19.25	--	19.83	--	--	--	--	--	--	--	---	--	
	1/21/1999	--	39.08	18.94	--	20.14	3,700	830	93	200	360	30	--	---	--	
	4/30/1999	--	39.08	19.10	--	19.98	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	39.08	18.93	--	20.15	76,000	12,000	6,600	2,000	8,700	320	--	SPL	--	
	11/3/1999	--	39.08	20.65	--	18.43	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	39.08	21.21	--	17.87	67,000	12,000	3,500	2,900	15,000	280	--	PACE	--	
	4/13/2000	--	39.08	21.33	--	17.75	--	--	--	--	--	--	--	---	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-4	5/24/2000	--	39.08	19.84	--	19.24	--	--	--	--	--	--	--	---	--	
	6/1/2000	--	39.08	19.04	--	20.04	--	--	--	--	--	--	--	---	--	
	6/8/2000	--	39.08	18.32	--	20.76	--	--	--	--	--	--	--	---	--	
	6/15/2000	--	39.08	16.70	--	22.38	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	39.08	21.50	--	17.58	910	<0.5	<0.5	<0.5	<0.5	3,500	--	PACE	--	
	10/24/2000	--	39.08	22.00	--	17.08	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	39.08	18.97	--	20.11	6,600	2,460	24	497	534	267	--	PACE	--	
	7/24/2001	--	39.08	18.55	--	20.53	5,100	1,080	143	409	827	115	--	PACE	--	
	1/18/2002	--	39.08	17.22	--	21.86	3,900	442	241	157	681	85.3	--	PACE	--	
	8/1/2002*	--	39.08		--		--	--	--	--	--	--	--	---	--	f
	1/16/2003	--	39.08	16.85	--	22.23	2,900	260	160	120	590	<120	--	SEQ	--	p
	7/7/2003	--	39.08	17.94	--	21.14	600	90	7.9	18	36	--	--	SEQ	--	q
	02/05/2004	--	39.08	16.94	--	22.14	420	40	3.1	15	27	40	--	SEQM	6.8	odor
	07/01/2004	**P**	**39.08**	**18.24**	--	**20.84**	**6,000**	**970**	**200**	**310**	**1,500**	**64**	--	**SEQM**	**6.7**	
AW-5	4/5/1991	--	38.51	25.48	--	13.03	420	31	7.5	20	68	--	--	SUP	--	
	4/1/1992	--	38.51	23.95	--	14.56	--	--	--	--	--	--	--	---	--	
	4/2/1992	--	38.51		--		4,000	270	63	190	290	--	--	APP	--	
	7/6/1992	--	38.51	26.48	--	12.03	1,400	160	<2.5	250	58	--	--	ANA	--	
	10/7/1992	--	38.51	28.18	--	10.33	360	12	0.6	8.7	5	--	--	ANA	--	
	1/14/1993	--	38.51	24.15	--	14.36	1,700	270	7.5	130	62	--	--	PACE	--	m
	4/22/1993	--	38.51	--	--	--	3,500	780	29	240	210	--	--	PACE	--	QC-1, e, m
	4/22/1993	--	38.51	22.43	--	16.08	2,700	780	30	220	180	--	--	PACE	--	m
	7/15/1993	--	38.51	--	--	--	1,300	68	8.3	64	99	<50	--	PACE	--	QC-1, e, m
	7/15/1993	--	38.51	24.31	--	14.20	1,300	69	16	67	120	<50	--	PACE	--	m
	10/21/1993	--	38.51	26.05	--	12.46	510	9.6	1.5	17	45	75	--	PACE	--	c, m
	1/27/1994	--	38.51	26.42	--	12.09	420	3.3	<0.5	1	0.9	48.9	--	PACE	--	m
	4/21/1994	--	38.51	24.36	--	14.15	1,000	110	25	56	27	75	1.3	PACE	--	c, m
	9/9/1994	--	38.51	24.55	--	13.96	210	<0.5	<0.5	0.5	0.9	--	2.7	PACE	--	m
	12/21/1994	--	38.51	--	--	--	340	<0.5	15	3.3	1.4	104	--	PACE	--	QC-1, e, m
	12/21/1994	--	38.51	22.30	--	16.21	410	<0.5	20	4.3	1.4	114	1.1	PACE	--	m
	1/30/1995	--	38.51	18.88	--	19.63	210	0.6	11	8.8	2	--	1.5	ATI	--	
	4/10/1995	--	38.51	18.44	--	20.07	500	1.4	0.59	6.5	4.3	--	8.3	ATI	--	
	6/29/1995	--	38.51	19.92	--	18.59	490	1.2	0.58	7.3	2.2	--	6.9	ATI	--	

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Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-5	9/18/1995	--	38.51	22.15	--	16.36	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	38.51		--		260	0.62	<0.50	3.1	1.1	110	8.2	ATI	--	
	12/7/1995	--	38.51	23.75	--	14.76	60	<0.50	<0.50	<0.50	<1.0	210	4.3	ATI	--	
	3/28/1996	--	38.51	17.76	--	20.75	<50	<0.5	<1	<1	<1	63	3	SPL	--	
	6/20/1996	--	38.51	18.46	--	20.05	<50	<0.5	<1	<1	<1	<10	3.6	SPL	--	
	10/11/1996	--	38.51	21.84	--	16.67	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	SPL	--	
	1/2/1997	--	38.51	18.01	--	20.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
	4/14/1997	--	38.51	19.35	--	19.16	<50	<0.5	<1.0	<1.0	<1.0	<10	5.1	SPL	--	
	7/2/1997	--	38.51	20.29	--	18.22	<50	<0.5	<1.0	<1.0	<1.0	<10	4	SPL	--	
	9/30/1997	--	38.51	23.15	--	15.36	<250	<2.5	<5.0	<5.0	<5.0	1,300	6.3	SPL	--	
	1/21/1998	--	38.51	17.33	--	21.18	6,100	<0.5	2.1	<1.0	<1.0	3,700	4.5	SPL	--	
	4/9/1998	--	38.51	15.25	--	23.26	--	--	--	--	--	--	--	---	--	
	4/10/1998	--	38.51		--		3,500	<0.5	<1.0	<1.0	<1.0	3,000	5.4	SPL	--	
	6/19/1998	--	38.51	17.39	--	21.12	3,300	<0.5	<1.0	<1.0	<1.0	2,500	5.2	SPL	--	
	11/30/1998	--	38.51		--		--	--	--	--	--	--	--	---	--	f
	1/21/1999	--	38.51	21.22	--	17.29	2,800	<1.0	<1.0	<1.0	<1.0	1,800	--	SPL	--	
	4/30/1999	--	38.51	21.50	--	17.01	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	38.51	20.15	--	18.36	4,000	<1.0	<1.0	<1.0	<1.0	3400/3500	--	SPL	--	g
	11/3/1999	--	38.51	22.04	--	16.47	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	38.51	22.59	--	15.92	1,000	7.3	30	6.7	40	4,600	--	PACE	--	
	4/13/2000	--	38.51	23.11	--	15.40	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	38.51	22.72	--	15.79	1,800	94	35	5.9	27	16,000	--	PACE	--	
	10/24/2000	--	38.51	20.15	--	18.36	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	38.51	19.79	--	18.72	2,600	<0.5	<0.5	<0.5	<0.5	4,580	--	PACE	--	
	7/24/2001	--	38.51	20.17	--	18.34	5,400	18.4	17.2	<12.5	40.8	5,170	--	PACE	--	
	1/18/2002	--	38.51	17.34	--	21.17	3,800	343	0.738	<0.5	<1.0	3,750	--	PACE	--	
	8/1/2002*	--	38.51	19.49	--	19.02	5,300	<12.5	<12.5	<12.5	<25	3,470	--	PACE	--	
	1/16/2003	--	38.51	17.30	--	21.21	1,400	140	<10	<10	<10	1,600	--	SEQ	--	p
	7/7/2003	--	38.51	18.43	--	20.08	1,400	<10	<10	<10	<10	--	--	SEQ	--	q
	02/05/2004	--	38.51	17.24	--	21.27	1,800	<10	<10	<10	<10	810	--	SEQM	6.7	
	07/01/2004	**P**	**38.51**	**19.43**	**--**	**19.08**	**1,100**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**550**	**--**	**SEQM**	**6.6**	
AW-6	4/5/1991	--	37.08	22.48	--	14.60	1,100	80	19	1.4	230	--	--	SUP	--	
	4/1/1992	--	37.08	22.50	--	14.58	--	--	--	--	--	--	--	---	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-6	4/2/1992	--	37.08		--		<50	<0.5	<0.5	<0.5	<0.5	--	--	APP	--	
	7/6/1992	--	37.08	22.74	--	14.34	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	10/7/1992	--	37.08	24.64	--	12.44	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	1/14/1993	--	37.08	22.36	--	14.72	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	37.08	22.82	--	14.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	7/15/1993	--	37.08	20.49	--	16.59	<50	<0.5	<0.5	<0.5	0.8	<5.0	--	PACE	--	m
	10/21/1993	--	37.08	22.84	--	14.24	<50	0.5	0.6	<0.5	0.7	<5.0	--	PACE	--	m
	1/27/1994	--	37.08	22.33	--	14.75	<50	<0.5	0.9	3.1	12	<5.0	--	PACE	--	m
	4/21/1994	--	37.08	20.66	--	16.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.7	PACE	--	m
	9/9/1994	--	37.08	21.57	--	15.51	<50	0.9	<0.5	<0.5	0.5	--	2.9	PACE	--	m
	12/21/1994	--	37.08	19.40	--	17.68	<50	1.8	0.8	0.8	3.2	5.19	1.1	PACE	--	m
	1/30/1995	--	37.08	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	QC-1, e
	1/30/1995	--	37.08	16.74	--	20.34	<50	<0.50	<0.50	<0.50	<1.0	--	2.2	ATI	--	
	4/10/1995	--	37.08	16.01	--	21.07	<50	<0.50	<0.50	<0.50	<1.0	--	8.6	ATI	--	
	6/29/1995	--	37.08	17.54	--	19.54	<50	<0.50	<0.50	<0.50	<1.0	--	6.3	ATI	--	
	9/18/1995	--	37.08	19.65	--	17.43	--	--	--	--	--	--	--	--	--	
	9/19/1995	--	37.08		--		<50	<0.50	<0.50	<0.50	<1.0	25	8.3	ATI	--	
	12/7/1995	--	37.08	20.35	--	16.73	<50	<0.50	<0.50	<0.50	<1.0	16	4.7	ATI	--	
	3/28/1996	--	37.08	14.99	--	22.09	<50	<0.5	<1	<1	<1	<10	4	SPL	--	
	6/20/1996	--	37.08	15.59	--	21.49	<50	<0.5	<1	<1	<1	<10	4.6	SPL	--	
	10/11/1996	--	37.08	19.09	--	17.99	<50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	
	1/2/1997	--	37.08	15.11	--	21.97	<50	<0.5	<1.0	<1.0	<1.0	<10	5.5	SPL	--	
	4/14/1997	--	37.08	16.25	--	20.83	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
	7/2/1997	--	37.08	17.99	--	19.09	<50	<0.5	<1.0	<1.0	<1.0	<10	5.2	SPL	--	
	9/30/1997	--	37.08	20.50	--	16.58	<50	<0.5	<1.0	<1.0	<1.0	<10	6	SPL	--	
	1/21/1998	--	37.08	15.72	--	21.36	160	<0.5	<1.0	<1.0	<1.0	110	5	SPL	--	
	4/9/1998	--	37.08	13.31	--	23.77	--	--	--	--	--	--	--	--	--	
	4/10/1998	--	37.08		--		370	<0.5	<1.0	<1.0	<1.0	300	4.3	SPL	--	
	6/19/1998	--	37.08	15.18	--	21.90	830	2	<1.0	<1.0	<1.0	690	4	SPL	--	
	11/30/1998	--	37.08		--		--	--	--	--	--	--	--	--	--	f
	1/21/1999	--	37.08	15.78	--	21.30	2,300	<1.0	<1.0	<1.0	<1.0	1,900	--	SPL	--	
	4/30/1999	--	37.08	16.01	--	21.07	--	--	--	--	--	--	--	--	--	
	7/9/1999	--	37.08	17.63	--	19.45	--	--	--	--	--	--	--	--	--	
	11/3/1999	--	37.08	18.42	--	18.66	--	--	--	--	--	--	--	--	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-6	1/12/2000	--	37.08	19.92	--	17.16	<50	<0.5	<0.5	<0.5	<0.5	2,700	--	PACE	--	
	4/13/2000	--	37.08	19.87	--	17.21	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	37.08	19.99	--	17.09	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	37.08	18.12	--	18.96	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	37.08	17.04	--	20.04	2,700	<0.5	<0.5	<0.5	<0.5	4,850	--	PACE	--	
	7/24/2001	--	37.08	17.83	--	19.25	--	--	--	--	--	--	--	---	--	
	1/18/2002	--	37.08	15.54	--	21.54	5,500	614	<0.5	<0.5	<1.0	5,390	--	PACE	--	
	8/1/2002*	--	37.08	16.98	--	20.10	--	--	--	--	--	--	--	---	--	
	1/16/2003	--	37.08	15.05	--	22.03	2,900	<20	<20	<20	63	2,500	--	SEQ	--	p
	7/7/2003	--	37.08	16.58	--	20.50	--	--	--	--	--	--	--	---	--	
	02/05/2004	--	37.08	15.84	--	21.24	7,000	<50	<50	<50	<50	5,400	--	SEQM	6.7	
	07/01/2004	**P**	**37.08**	**17.91**	**--**	**19.17**	**9,600**	**<50**	**<50**	**<50**	**<50**	**4,600**	**--**	**SEQM**	**6.5**	
AW-7	4/5/1991	--	37.6	23.38	--	14.22	<50	0.4	0.7	<0.3	<0.3	--	--	SUP	--	
	4/1/1992	--	37.6	21.92	--	15.68	--	--	--	--	--	--	--	---	--	
	4/2/1992	--	37.6		--		<50	<0.5	3.2	1	5.4	--	--	APP	--	
	7/6/1992	--	37.6	24.50	--	13.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	10/7/1992	--	37.6	26.18	--	11.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	1/14/1993	--	37.6	22.03	--	15.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	37.6	21.18	--	16.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	7/15/1993	--	37.6	22.09	--	15.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
	10/21/1993	--	37.6	24.05	--	13.55	51	5	4.2	3.5	8.2	<5.0	--	PACE	--	m
	1/27/1994	--	37.6	23.40	--	14.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
	4/21/1994	--	37.6	22.24	--	15.36	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.5	PACE	--	m
	9/9/1994	--	37.6	22.94	--	14.66	<50	<0.5	<0.5	<0.5	0.5	--	4.3	PACE	--	m
	12/21/1994	--	37.6	20.86	--	16.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.2	PACE	--	m
	1/30/1995	--	37.6	17.51	--	20.09	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	ATI	--	
	4/10/1995	--	37.6	16.69	--	20.91	<50	<0.50	<0.50	<0.50	<1.0	--	4.8	ATI	--	
	6/29/1995	--	37.6	18.33	--	19.27	<50	<0.50	<0.50	<0.50	<1.0	--	7.6	ATI	--	
	9/18/1995	--	37.6	20.68	--	16.92	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	37.6		--		<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.1	ATI	--	
	12/7/1995	--	37.6	22.15	--	15.45	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.2	ATI	--	
	3/28/1996	--	37.6	16.38	--	21.22	<50	<0.5	<1	<1	<1	<10	3.9	SPL	--	
	6/20/1996	--	37.6	17.02	--	20.58	<50	<0.5	<1	<1	<1	<10	5	SPL	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-7	10/11/1996	--	37.6	20.47	--	17.13	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	
	1/2/1997	--	37.6	16.70	--	20.90	<50	<0.5	<1.0	<1.0	<1.0	<10	6.2	SPL	--	
	4/14/1997	--	37.6	17.96	--	19.64	<50	<0.5	<1.0	<1.0	<1.0	<10	5	SPL	--	
	7/2/1997	--	37.6	19.11	--	18.49	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	SPL	--	
	9/30/1997	--	37.6	22.97	--	14.63	<250	<2.5	<5.0	<5.0	<5.0	1,100	6.5	SPL	--	
	1/21/1998	--	37.6	16.50	--	21.10	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	SPL	--	
	4/9/1998	--	37.6	13.56	--	24.04	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	SPL	--	
	6/19/1998	--	37.6	15.41	--	22.19	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
	11/30/1998	--	37.6	18.90	--	18.70	--	--	--	--	--	--	--	---	--	
	1/21/1999	--	37.6	18.39	--	19.21	--	--	--	--	--	--	--	---	--	
	4/30/1999	--	37.6	18.54	--	19.06	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	37.6	17.98	--	19.62	--	--	--	--	--	--	--	---	--	
	11/3/1999	--	37.6	20.22	--	17.38	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	37.6	19.46	--	18.14	--	--	--	--	--	--	--	---	--	
	4/13/2000	--	37.6	19.59	--	18.01	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	37.6	19.69	--	17.91	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	37.6	18.78	--	18.82	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	37.6		--		--	--	--	--	--	--	--	---	--	f
	7/25/2001	--	37.6		--		--	--	--	--	--	--	--	---	--	f
	1/18/2002	--	37.6		--		--	--	--	--	--	--	--	---	--	o
	8/1/2002*	--	37.6		--		--	--	--	--	--	--	--	---	--	o
	1/16/2003	--	37.6		--		--	--	--	--	--	--	--	---	--	o
	7/7/2003	--	37.6		--		--	--	--	--	--	--	--	---	--	o
	07/01/2004	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
AW-8	4/5/1991	--	40.86	26.68	--	14.18	80	1.9	2.2	0.5	1.3	--	--	SUP	--	
	4/1/1992	--	40.86	25.11	--	15.75	73	<0.5	0.7	<0.5	0.6	--	--	APP	--	
	7/6/1992	--	40.86	26.43	--	14.43	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	10/7/1992	--	40.86	28.59	--	12.27	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	1/14/1993	--	40.86	25.55	--	15.31	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	40.86	22.29	--	18.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	7/15/1993	--	40.86	23.42	--	17.44	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
	10/21/1993	--	40.86	25.15	--	15.71	<50	1.9	1.8	1.3	3.3	<5.0	--	PACE	--	m

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Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-8	1/27/1994	--	40.86	25.42	--	15.44	<50	<0.5	0.5	0.6	8.5	<5.0	--	PACE	--	m
	4/21/1994	--	40.86	24.14	--	16.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.5	PACE	--	m
	9/9/1994	--	40.86	24.55	--	16.31	<50	<0.5	<0.5	<0.5	<0.5	--	2.4	PACE	--	m
	12/21/1994	--	40.86	22.72	--	18.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.1	PACE	--	m
	1/30/1995	--	40.86	19.75	--	21.11	<50	<0.50	1	<0.50	1	--	0.8	ATI	--	
	4/10/1995	--	40.86	17.78	--	23.08	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	
	6/29/1995	--	40.86	18.18	--	22.68	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	
	9/18/1995	--	40.86	20.20	--	20.66	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	40.86		--		<50	<0.50	<0.50	<0.50	<1.0	<5.0	7.7	ATI	--	
	12/7/1995	--	40.86	21.54	--	19.32	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.4	ATI	--	
	3/28/1996	--	40.86	15.77	--	25.09	<50	<0.5	<1	<1	<1	<10	3.8	SPL	--	
	6/20/1996	--	40.86	16.41	--	24.45	<50	<0.5	<1	<1	<1	<10	3.6	SPL	--	
	10/11/1996	--	40.86	19.90	--	20.96	<50	<0.5	<1.0	<1.0	<1.0	<10	6.4	SPL	--	
	1/2/1997	--	40.86	15.89	--	24.97	<50	<0.5	<1.0	<1.0	<1.0	<10	5.9	SPL	--	
	4/14/1997	--	40.86	17.07	--	23.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
	7/2/1997	--	40.86	18.67	--	22.19	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	
	9/30/1997	--	40.86	22.52	--	18.34	<50	<5	<10	<10	<10	820	6.7	SPL	--	
	1/21/1998	--	40.86	16.01	--	24.85	<50	<0.5	<1.0	<1.0	<1.0	<10	5.2	SPL	--	
	4/9/1998	--	40.86	11.18	--	29.68	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
	6/19/1998	--	40.86	13.01	--	27.85	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
	11/30/1998	--	40.86	17.46	--	23.40	--	--	--	--	--	--	--	---	--	
	1/21/1999	--	40.86	17.47	--	23.39	--	--	--	--	--	--	--	---	--	
	4/30/1999	--	40.86	17.60	--	23.26	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	40.86	16.50	--	24.36	--	--	--	--	--	--	--	---	--	
	11/3/1999	--	40.86	19.29	--	21.57	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	40.86	21.49	--	19.37	--	--	--	--	--	--	--	---	--	
	4/13/2000	--	40.86	21.60	--	19.26	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	40.86	21.53	--	19.33	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	40.86	19.37	--	21.49	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	40.86	18.60	--	22.26	--	--	--	--	--	--	--	---	--	
	7/24/2001	--	40.86	18.22	--	22.64	--	--	--	--	--	--	--	---	--	
	1/18/2002	--	40.86	16.29	--	24.57	--	--	--	--	--	--	--	---	--	
	8/1/2002*	--	40.86	17.25	--	23.61	--	--	--	--	--	--	--	---	--	
	1/16/2003	--	40.86	15.82	--	25.04	--	--	--	--	--	--	--	---	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
AW-8	7/7/2003	--	40.86	18.55	--	22.31	--	--	--	--	--	--	--	---	--	
	07/01/2004	--	**40.86**	**18.25**	--	**22.61**	--	--	--	--	--	--	--	--	--	
AW-9	1/2/1997	--	37.78	10.00	--	27.78	<50	<0.5	<1.0	<1.0	<1.0	<10	6.7	SPL	--	
	4/14/1997	--	37.78		--		--	--	--	--	--	--	--	---	--	f
	7/2/1997	--	37.78	12.71	--	25.07	<50	<0.5	<1.0	<1.0	<1.0	<10	6	SPL	--	
	9/30/1997	--	37.78	21.22	--	16.56	<50	<0.5	<1.0	<1.0	<1.0	<10	6.8	SPL	--	
	1/21/1998	--	37.78	10.26	--	27.52	<50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	
	4/9/1998	--	37.78	6.77	--	31.01	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	
	6/19/1998	--	37.78	8.96	--	28.82	<50	<0.5	<1.0	<1.0	<1.0	<10	4.8	SPL	--	
MW-1	4/5/1991	--	34.46		--		--	--	--	--	--	--	--	---	--	
	4/1/1992	--	34.46	11.25	0.01	23.20	--	--	--	--	--	--	--	---	--	
	7/6/1992	--	34.46	13.61	0.02	20.83	--	--	--	--	--	--	--	---	--	
	10/7/1992	--	34.46	15.15	0.09	19.22	--	--	--	--	--	--	--	---	--	
	1/14/1993	--	34.46	10.73	0.01	23.72	--	--	--	--	--	--	--	---	--	
	4/22/1993	--	34.46	11.64	0.16	22.66	--	--	--	--	--	--	--	---	--	
	7/15/1993	--	34.46	13.50	1.11	19.85	--	--	--	--	--	--	--	---	--	
	10/21/1993	--	34.46	15.21	1.00	18.25	--	--	--	--	--	--	--	---	--	
	1/27/1994	--	34.46	17.48	0.81	16.17	--	--	--	--	--	--	--	---	--	
	4/21/1994	--	34.46	10.94	--	23.52	110,000	1,400	9,100	3,400	30,000	11,000	1.6	PACE	--	
	9/9/1994	--	34.46	13.80	--	20.66	--	--	--	--	--	--	--	---	--	
	12/21/1994	--	34.46	12.60	0.02	21.84	--	--	--	--	--	--	--	---	--	
	1/30/1995	--	34.46		--		--	--	--	--	--	--	--	---	--	
	4/10/1995	--	34.46	10.62	--	23.84	--	--	--	--	--	--	--	---	--	
	6/29/1995	--	34.46	18.72	--	15.74	--	--	--	--	--	--	--	---	--	
	9/18/1995	--	34.46	12.92	--	21.54	--	--	--	--	--	--	--	---	--	
	12/7/1995	--	34.46	13.82	--	20.64	--	--	--	--	--	--	--	---	--	
	3/28/1996	--	34.46	10.03	0.01	24.42	--	--	--	--	--	--	--	---	--	
	6/20/1996	--	34.46	11.29	0.02	23.15	--	--	--	--	--	--	--	---	--	
	10/11/1996	--	34.46	14.86	0.01	19.59	--	--	--	--	--	--	--	---	--	
	1/2/1997	--	34.46	11.03	0.01	23.42	--	--	--	--	--	--	--	---	--	
	4/14/1997	--	34.46	12.25	0.01	22.20	--	--	--	--	--	--	--	---	--	
	4/15/1997	--	34.46		--		35,000	130	650	1,700	8,200	4,800	--	SPL	--	
	7/2/1997	--	34.46	14.11	--	20.35	42,000	<250	<500	2,000	9,600	<5000	5.5	SPL	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	9/30/1997	--	34.46	14.40	--	20.06	61,000	130	1,100	2,700	14,600	2,000	6.7	SPL	--	
	1/21/1998	--	34.46	7.99	0.01	26.46	14,000	11	60	310	1,790	1,300	4.5	SPL	--	
	4/9/1998	--	34.46	7.89	--	26.57	--	--	--	--	--	--	--	---	--	
	4/10/1998	--	34.46		--		45,000	380	520	2,100	6,800	9,300	5.3	SPL	--	
	6/19/1998	--	34.46	10.31	--	24.15	35,000	170	100	1,100	3,590	5,000	4.9	SPL	--	
	11/30/1998	--	34.46	11.16	--	23.30	10,000	100	24	350	1,040	1800/2800	--	SPL	--	
	1/21/1999	--	34.46	10.76	--	23.70	18,000	120	37	590	1,800	2,700	--	SPL	--	
	4/30/1999	--	34.46	10.78	--	23.68	17,000	240	89	1,100	1,900	1,600	--	SPL	--	
	7/9/1999	--	34.46	12.62	--	21.84	58,000	140	100	1,800	6,900	1,200	--	SPL	--	
	11/3/1999	--	34.46	14.00	--	20.46	20,000	62	42	620	2,100	630	--	PACE	--	
	1/12/2000	--	34.46	15.25	--	19.21	72,000	110	120	2,400	8,200	630	--	PACE	--	
	4/13/2000	--	34.46	15.57	--	18.89	37,000	300	32	1,000	1,700	810	--	PACE	--	
	5/24/2000	--	34.46	11.75	--	22.71	--	--	--	--	--	--	--	---	--	
	6/1/2000	--	34.46	11.41	--	23.05	--	--	--	--	--	--	--	---	--	
	6/8/2000	--	34.46	11.68	--	22.78	--	--	--	--	--	--	--	---	--	
	6/15/2000	--	34.46	11.85	--	22.61	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	34.46	16.19	--	18.27	10,000	480	210	470	710	1,100	--	PACE	--	
	10/24/2000	--	34.46	13.89	--	20.57	9,900	31	7.2	550	1,200	4,400	--	PACE	--	
	1/19/2001	--	34.46	12.90	--	21.56	57,000	199	7.66	1,170	3,260	514	--	PACE	--	
	7/24/2001	--	34.46	13.55	--	20.91	27,000	96.7	<5.0	548	1,460	285	--	PACE	--	
	1/18/2002	--	34.46	10.91	--	23.55	25,000	150	31.5	597	1,040	138	--	PACE	--	
	8/1/2002*	--	34.46	12.97	--	21.49	25,000	80.2	17.7	714	1,280	489	--	PACE	--	
	1/16/2003	--	34.46	10.45	--	24.01	22,000	170	110	630	670	<500	--	SEQ	--	p
	7/7/2003	--	34.46	12.40	SHEEN	22.06	9,900	42	<5.0	160	150	24	--	SEQ	--	q
	02/05/2004	--	34.46	10.26	--	24.20	6,200	56	11	250	210	9.2	--	SEQM	6.9	
	07/01/2004	**--**	**34.46**	**13.20**	**--**	**21.26**	**18,000**	**<50**	**<50**	**210**	**300**	**<50**	**--**	**SEQM**	**--**	**Sheen**
MW-2	4/5/1991	--	35.5	16.62	--	18.88	<50	0.6	0.9	<0.3	<0.3	--	--	SUP	--	
	4/1/1992	--	35.5	11.25	--	24.25	--	--	--	--	--	--	--	---	--	
	4/2/1992	--	35.5		--		<50	<0.5	<0.5	<0.5	<0.5	--	--	APP	--	
	7/6/1992	--	35.5	12.72	--	22.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	10/7/1992	--	35.5	15.08	--	20.42	<50	<0.5	1.8	<0.5	2.3	--	--	ANA	--	
	1/14/1993	--	35.5	9.69	--	25.81	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	35.5	10.46	--	25.04	<50	<0.5	<0.5	<0.5	<0.5	30	--	PACE	--	c

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	7/15/1993	--	35.5	12.02	--	23.48	<50	<0.5	<0.5	<0.5	<0.5	21.7	--	PACE	--	c, m
	10/21/1993	--	35.5	13.12	--	22.38	<50	0.7	0.9	<0.5	0.9	14.9	--	PACE	--	m
	1/27/1994	--	35.5	12.01	--	23.49	<50	0.6	<0.5	<0.5	<0.5	11.5	--	PACE	--	m
	4/21/1994	--	35.5	10.60	--	24.90	<50	<0.5	<0.5	<0.5	<0.5	11.4	1.1	PACE	--	m
	9/9/1994	--	35.5	12.42	--	23.08	<50	<0.5	<0.5	<0.5	0.6	--	2.2	PACE	--	m
	12/21/1994	--	35.5	10.85	--	24.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.2	PACE	--	m
	1/30/1995	--	35.5	8.38	--	27.12	<50	<0.50	<0.50	<0.50	<1.0	--	1.7	ATI	--	
	4/10/1995	--	35.5	9.00	--	26.50	<50	<0.50	<0.50	<0.50	<1.0	--	7.8	ATI	--	
	6/29/1995	--	35.5	9.91	--	25.59	<50	<0.50	<0.50	<0.50	<1.0	--	9.1	ATI	--	
	9/18/1995	--	35.5	10.98	--	24.52	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	35.5		--		<50	<0.50	<0.50	<0.50	<1.0	<5.0	7.2	ATI	--	
	12/7/1995	--	35.5	12.30	--	23.20	<50	<0.50	<0.50	<0.50	<1.0	<5.0	2.4	ATI	--	
	3/28/1996	--	35.5	8.57	--	26.93	<50	<0.5	<1	<1	<1	<10	3.2	SPL	--	
	6/20/1996	--	35.5	9.77	--	25.73	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
	10/11/1996	--	35.5	13.32	--	22.18	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	
	1/2/1997	--	35.5	9.60	--	25.90	<50	<0.5	<1.0	<1.0	<1.0	<10	6.7	SPL	--	
	4/14/1997	--	35.5	10.93	--	24.57	<50	<0.5	<1.0	<1.0	<1.0	<10	5.7	SPL	--	
	7/2/1997	--	35.5	12.57	--	22.93	<50	<0.5	<1.0	<1.0	<1.0	<10	5.9	SPL	--	
	9/30/1997	--	35.5	12.91	--	22.59	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	
	1/21/1998	--	35.5	10.12	--	25.38	160	<0.5	<1.0	<1.0	<1.0	100	5.4	SPL	--	
	4/9/1998	--	35.5	6.82	--	28.68	--	--	--	--	--	--	--	---	--	
	4/10/1998	--	35.5		--		<50	1	<1.0	<1.0	<1.0	23	5	SPL	--	
	6/19/1998	--	35.5	9.00	--	26.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	SPL	--	
	11/30/1998	--	35.5	9.44	--	26.06	--	--	--	--	--	--	--	---	--	
	1/21/1999	--	35.5	8.96	--	26.54	<50	<1.0	<1.0	<.1.0	<1.0	1.9	--	SPL	--	
	4/30/1999	--	35.5	9.15	--	26.35	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	35.5	10.82	--	24.68	--	--	--	--	--	--	--	---	--	
	11/3/1999	--	35.5	11.86	--	23.64	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	35.5	12.35	--	23.15	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
	4/13/2000	--	35.5	13.01	--	22.49	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	35.5	13.01	--	22.49	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	35.5	11.57	--	23.93	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	35.5	10.52	--	24.98	--	--	--	--	--	--	--	---	--	
	7/24/2001	--	35.5	11.13	--	24.37	--	--	--	--	--	--	--	---	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	1/18/2002	--	35.5	8.85	--	26.65	--	--	--	--	--	--	--	---	--	
	8/1/2002*	--	35.5	10.47	--	25.03	--	--	--	--	--	--	--	---	--	
	1/14/2003	--	35.5	8.49	--	27.01	--	--	--	--	--	--	--	---	--	
	7/7/2003	--	35.5	9.63	--	25.87	--	--	--	--	--	--	--	---	--	
	02/05/2004	--	35.50	8.40	--	27.10	--	--	--	--	--	--	--	--	--	
	07/01/2004	**NP**	**35.50**	**9.94**	**--**	**25.56**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-3	4/5/1991	--	36.53	17.84	--	18.69	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	
	4/1/1992	--	36.53	15.64	--	20.89	--	--	--	--	--	--	--	---	--	
	4/2/1992	--	36.53		--		<50	1.4	<0.5	<0.5	<0.5	--	--	APP	--	
	7/6/1992	--	36.53	19.03	--	17.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	10/7/1992	--	36.53	21.83	--	14.70	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	1/14/1993	--	36.53	15.96	--	20.57	350	<0.5	<0.5	<0.5	<0.5	714	--	PACE	--	c, m
	4/22/1993	--	36.53	16.20	--	20.33	2,800	<0.5	<0.5	<0.5	<0.5	3,600	--	PACE	--	c, m
	7/15/1993	--	36.53	16.82	--	19.71	1,400	1.2	<0.5	2	3.5	2,204	--	PACE	--	c, m
	10/21/1993	--	36.53	18.84	--	17.69	370	2.1	2.3	2.3	6	847	--	PACE	--	c, m
	1/27/1994	--	36.53	18.00	--	18.53	1,300	6.3	<0.5	<0.5	<0.5	3,892	--	PACE	--	c, m
	4/21/1994	--	36.53	16.62	--	19.91	2,000	<0.5	<0.5	<0.5	<0.5	3,864	1.4	PACE	--	c, m
	9/9/1994	--	36.53	18.38	--	18.15	1,300	<0.5	<0.5	0.5	1.2	--	3	PACE	--	m
	12/21/1994	--	36.53	15.28	--	21.25	420	16	0.7	3.5	5.9	800	1.9	PACE	--	m
	1/30/1995	--	36.53	12.62	--	23.91	<50	<0.50	<0.50	<0.50	<1.0	--	2.5	ATI	--	
	4/10/1995	--	36.53	12.41	--	24.12	150	<0.50	<0.50	<0.50	<1.0	--	6.9	ATI	--	
	6/29/1995	--	36.53	14.95	--	21.58	100	<0.50	<0.50	<0.50	<1.0	--	6.4	ATI	--	
	9/18/1995	--	36.53	15.82	--	20.71	--	--	--	--	--	--	--	---	--	
	9/19/1995	--	36.53		--		82	<0.50	<0.50	<0.50	<1.0	260	7	ATI	--	
	12/7/1995	--	36.53	17.09	--	19.44	<50	<0.50	<0.50	<0.50	<1.0	91	4.5	ATI	--	
	3/28/1996	--	36.53	11.90	--	24.63	<50	<0.5	<1	<1	<1	230	4.2	SPL	--	
	6/20/1996	--	36.53	12.66	--	23.87	260	<0.5	<1	<1	<1	370	4.4	SPL	--	
	10/11/1996	--	36.53	16.23	--	20.30	330	<0.5	<1.0	<1.0	<1.0	440	5.8	SPL	--	
	1/2/1997	--	36.53	12.17	--	24.36	<50	<0.5	<1.0	<1.0	<1.0	140	6	SPL	--	
	4/14/1997	--	36.53	13.45	--	23.08	--	--	--	--	--	--	--	---	--	
	4/15/1997	--	36.53		--		1,500	<0.5	<1.0	<1.0	<1.0	1,800	5.6	SPL	--	
	7/2/1997	--	36.53	15.60	--	20.93	880	<0.5	<1.0	<1.0	<1.0	940	5.3	SPL	--	
	9/30/1997	--	36.53	17.16	--	19.37	40,000	13,000	2,400	870	3,100	510	6.6	SPL	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-3	1/21/1998	--	36.53	11.77	--	24.76	120	<0.5	<1.0	<1.0	<1.0	98	4.7	SPL	--	
	4/9/1998	--	36.53	9.42	--	27.11	950	<0.5	<1.0	<1.0	<1.0	890	5.7	SPL	--	
	6/19/1998	--	36.53	12.09	--	24.44	1,800	<0.5	<1.0	<1.0	<1.0	1,900	4.7	SPL	--	
	6/19/1998	--	36.53	15.28	--	21.25	1,800	<0.5	<1.0	<1.0	<1.0	1,900	4.7	SPL	--	
	1/21/1999	--	36.53	14.67	--	21.86	1,100	<1.0	<1.0	<1.0	<1.0	1,200	--	SPL	--	
	4/30/1999	--	36.53	16.00	--	20.53	--	--	--	--	--	--	--	---	--	
	7/9/1999	--	36.53	14.64	--	21.89	470	<1.0	<1.0	<1.0	<1.0	460/470	--	SPL	--	g
	11/3/1999	--	36.53	16.39	--	20.14	--	--	--	--	--	--	--	---	--	
	1/12/2000	--	36.53	16.80	--	19.73	<50	<0.5	<0.5	<0.5	<0.5	34	--	PACE	--	
	4/13/2000	--	36.53	16.43	--	20.10	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	36.53	16.93	--	19.60	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
	10/24/2000	--	36.53	15.69	--	20.84	--	--	--	--	--	--	--	---	--	
	1/19/2001	--	36.53	14.84	--	21.69	<50	<0.5	<0.5	<0.5	1	25.9	--	PACE	--	
	7/23/2001	--	36.53	15.11	--	21.42	62	<0.5	<0.5	<0.5	<1.5	28.7	--	PACE	--	
	1/18/2002	--	36.53	12.37	--	24.16	<50	<0.5	<0.5	<0.5	<1.0	17.8	--	PACE	--	
	8/1/2002*	--	36.53	14.44	--	22.09	66	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	--	
	1/16/2003	--	36.53	12.07	--	24.46	<50	<0.50	<0.50	<0.50	<0.50	20	--	SEQ	--	p
	7/7/2003	--	36.53	13.90	--	22.63	<50	<0.50	<0.50	<0.50	<0.50	--	--	SEQ	--	q
	02/05/2004	--	36.53	12.60	--	23.93	<50	<0.50	<0.50	<0.50	<0.50	4.6	--	SEQM	7.0	
	07/01/2004	**--**	**36.53**	**14.57**	**--**	**21.96**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.3**	**--**	**SEQM**	**--**	
QC-2	10/7/1992	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
	1/14/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	4/22/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
	7/15/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
	10/21/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	
	1/27/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	
	4/21/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	
	9/9/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	
	12/21/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	
	1/30/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	
	4/10/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	
	6/27/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	
	9/19/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
QC-2	12/7/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	
	3/28/1996	--	37.73	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	
	6/20/1996	--	37.73	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	
RW-1	4/5/1991	--	37.73		--		--	--	--	--	--	--	--	--	--	
	4/1/1992	--	37.73	22.81	0.30	14.62	--	--	--	--	--	--	--	--	--	
	7/6/1992	--	37.73	26.92	0.41	10.40	--	--	--	--	--	--	--	--	--	
	10/7/1992	--	37.73	28.51	1.26	7.96	--	--	--	--	--	--	--	--	--	
	1/14/1993	--	37.73	23.75	0.25	13.73	--	--	--	--	--	--	--	--	--	
	4/22/1993	--	37.73	22.70	1.38	13.65	--	--	--	--	--	--	--	--	--	
	7/15/1993	--	37.73	26.10	0.81	10.82	--	--	--	--	--	--	--	--	--	
	10/21/1993	--	37.73	25.40	0.49	11.84	--	--	--	--	--	--	--	--	--	
	1/27/1994	--	37.73	28.02	0.37	9.34	--	--	--	--	--	--	--	--	--	
	4/21/1994	--	37.73	23.10	0.91	13.72	--	--	--	--	--	--	--	--	--	
	9/9/1994	--	37.73	24.39	1.04	12.30	--	--	--	--	--	--	--	--	--	
	12/21/1994	--	37.73		--		--	--	--	--	--	--	--	--	--	h
	12/7/1995	--	37.73	25.71	1.04	10.98	150,000	34,000	35,000	4,300	21,000	2,700	--	ATI	--	
	3/28/1996	--	37.73	16.75	0.18	20.80	--	--	--	--	--	--	--	--	--	
	6/20/1996	--	37.73	25.10	0.02	12.61	--	--	--	--	--	--	--	--	--	h
	10/11/1996	--	37.73	25.51	0.00	12.22	130,000	20,000	32,000	2,800	20,700	1400/1200	7.4	SPL	--	g
	1/2/1997	--	37.73	24.49	0.01	13.23	--	--	--	--	--	--	--	--	--	
	4/14/1997	--	37.73	23.99	0.04	13.70	--	--	--	--	--	--	--	--	--	
	4/15/1997	--	37.73		--		1,800,000	38,000	190,000	48,000	281,000	<25000	--	SPL	--	
	7/2/1997	--	37.73	--	--	--	130,000	19,000	54,000	4,700	33,400	<10000	--	SPL	--	QC-1, e
	7/2/1997	--	37.73	16.40	0.20	21.13	140,000	19,000	55,000	4,400	32,400	<10000	5.7	SPL	--	
	9/30/1997	--	37.73	--	--	--	140,000	17,000	29,000	2,500	15,900	1,200	--	SPL	--	QC-1, e
	9/30/1997	--	37.73	27.97	0.02	9.74	110,000	13,000	22,000	2,000	12,500	1,100	7	SPL	--	
	1/21/1998	--	37.73	14.14	0.44	23.15	270,000	21,000	48,000	3,500	25,000	1,100	4.8	SPL	--	
	4/9/1998	--	37.73	25.01	0.05	12.67	--	--	--	--	--	--	--	--	--	
	4/10/1998	--	37.73		--		220,000	26,000	46,000	4,400	24,500	<2500	5.1	SPL	--	
	6/19/1998	--	37.73	11.43	--	26.30	180,000	19,000	32,000	3,000	17,400	<2500	4.6	SPL	--	
	11/30/1998	--	37.73	7.87	--	29.86	--	--	--	--	--	--	--	--	--	
	1/21/1999	--	37.73	18.90	0.03	18.80	260,000	24,000	46,000	5,100	30,000	1,700	--	SPL	--	
	7/9/1999	--	37.73	18.58	0.26	18.89	--	--	--	--	--	--	--	--	--	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
RW-1	11/3/1999	--	37.73	20.85	0.60	16.28	160,000	19,000	37,000	3,800	25,000	1,500	--	PACE	--	
	1/12/2000	--	37.73	21.20	0.23	16.30	240,000	18,000	46,000	5,800	26,000	2,100	--	PACE	--	
	4/13/2000	--	37.73	21.71	0.11	15.91	120,000	2,100	33,000	2,800	28,000	1,500	--	PACE	--	
	5/24/2000	--	37.73	21.89	0.24	15.60	--	--	--	--	--	--	--	---	--	
	6/1/2000	--	37.73	16.30	0.01	21.42	--	--	--	--	--	--	--	---	--	
	6/8/2000	--	37.73	17.88	0.20	19.65	--	--	--	--	--	--	--	---	--	
	6/15/2000	--	37.73	16.72	0.04	20.97	--	--	--	--	--	--	--	---	--	
	6/20/2000	--	37.73	21.04	0.20	16.49	--	--	--	--	--	--	--	---	--	
	7/7/2000	--	37.73	17.21	0.01	20.51	--	--	--	--	--	--	--	---	--	
	7/20/2000	--	37.73	21.87	0.18	15.68	--	--	--	--	--	--	--	---	--	
	7/26/2000	--	37.73	21.45	0.13	16.15	67,000	160	5,300	2,100	18,000	1,100	--	PACE	--	
	7/31/2000	--	37.73	22.11	--	15.62	--	--	--	--	--	--	--	---	--	
	8/8/2000	--	37.73	17.80	0.01	19.92	--	--	--	--	--	--	--	---	--	
	8/16/2000	--	37.73	17.92	--	19.81	--	--	--	--	--	--	--	---	--	
	8/23/2000	--	37.73	18.11	0.02	19.60	--	--	--	--	--	--	--	---	--	
	10/24/2000	--	37.73	18.93	--	18.80	--	--	--	--	--	--	--	---	--	
	10/25/2000	--	37.73	19.04	--	18.69	360,000	18,000	78,000	34,000	180,000	2,100	--	PACE	--	k
	1/19/2001	--	37.73	18.19	0.05	19.49	110,000	9,450	19,600	3,510	21,100	1,270	--	PACE	--	
	7/24/2001	--	37.73	17.93	--	19.80	--	--	--	--	--	--	--	---	--	l
	1/18/2002	--	37.73	14.87	--	22.86	63,000	2,060	4,370	1,770	13,900	491	--	PACE	--	
	8/1/2002*	--	37.73	16.84	--	20.89	60,000	1,210	2,200	1,520	10,600	390	--	PACE	--	
	1/16/2003	--	37.73	14.42	--	23.31	34,000	2,500	2,700	780	5,300	680	--	SEQ	--	p
	7/7/2003	--	37.73	16.11	SHEEN	21.62	50,000	640	280	1,600	10,000	--	--	SEQ	--	q
	07/01/2004	**P**	**37.73**	**16.75**	**--**	**20.98**	**47,000**	**320**	**87**	**1,900**	**7,500**	**72**	**--**	**SEQM**	**6.7**	

ABBREVIATIONS:
TOC - top of casing
DTW - depth to water
GWE - groundwater elevation
TPH-G - total petroleum hydrocarbons as gasoline
B - benzene
T - toluene
E- ethyl benzene
X - total xylenes
MTBE - methyl tert butyl ether
DO - dissolved oxygen
ug/L - micrograms per liter
ppm - parts per million
--- - not sampled
< - not detected at or above the lab reporting limit
PACE - PACE, Inc.
SUP - Superior Analytical Laboratories, Inc.
APP - Applied Analytical Laboratory
ANA - Anametrix, Inc.
ATI - Analytical Technologies, Inc.
SPL - Southern Petroleum Laboratories
SEQ - Sequoia Analytical
NOTES:
(a) Top of casing elevations surveyed to the nearest 0.01 foot above mean sea level.
(b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.
(c) A copy of the documentation for this data is included in Appendix C of Alistoreport 10-025-13-003.
(d) MTBE peak. See documentation in Appendix C of Alisto report 10-025-13-003.
(e) Blind duplicate.
(f) Well inaccessible.
(g) EPA Methods 8020/8260 used.
(h) Well not monitored and/or sampled due to vapor extraction system.
(i) Travel blank.
(j) This gasoline does not include MTBE.
(k) Well was sampled on a different date from the other wells due to lack of proper equipment.
(l) Unable to sample due to nature of product.
(m) A copy of the documentation for this data is included in Blaine Tech Services, Inc., Report 010724-B-2.The data for sampling events January 14, 1993 and April 22, 1993 has been destroyed.No chromatograms could be located for samples AW-2 on January 27, 1994, and for samples AW-1, AW-2, AW-3, AW-4, AW-5, AW-6, AW-7, AW-8, MW-2 and MW-3 on September 9, 1994.
(n) On June 1, 2001, after reviewing chromatograms, Sequoia reported the value as <5.0.
(o) Unable to locate well.
(p) TPH-g data analyzed by EPA Method 8015B modified; BTEX and MTBE by EPA Method 8021B
(q) TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on the third quarter 2003 sampling event (07/07/03)
(r) Discrete peak at C5
(s) Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported. Also, beginnig the second quarter 2004, the carbon range for GRO has been changed from C-6-C10 to C4-C12.
(t) Well was not gauged during the quarter due to an oversite by the technician.

Table 1

Groundwater Elevation and Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

* During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.
Source: The data within this tables collected prior to June 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
AW-1	7/7/2003	<5,000	<1,000	--	<25	<25	190	--	--
	02/05/2004	<10,000	<2,000	930	<50	<50	160	<50	<50
	07/01/2004	**<5,000**	**<1,000**	**1,100**	**<25**	**<25**	**170**	**<25**	**<25**
AW-2	02/05/2004	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50
AW-4	7/7/2003	<1,000	<200	--	<5.0	<5.0	<5.0	--	--
	02/05/2004	<200	<40	40	<1.0	<1.0	3.7	<1.0	<1.0
	07/01/2004	**<1,000**	**<200**	**64**	**<5.0**	**<5.0**	**9.6**	**<5.0**	**<5.0**
AW-5	7/7/2003	<2,000	1,200	--	<10	<10	210	--	--
	02/05/2004	<2,000	1,200	810	<10	<10	160	<10	<10
	07/01/2004	**<1,000**	**1,600**	**550**	**<5.0**	**<5.0**	**94**	**<5.0**	**<5.0**
AW-6	02/05/2004	<10,000	<2,000	5,400	<50	<50	1,800	<50	<50
	07/01/2004	**<10,000**	**<2,000**	**4,600**	**<50**	**<50**	**1,600**	**<50**	**<50**
MW-1	7/7/2003	<1,000	<200	24	<5.0	<5.0	<5.0	--	--
	02/05/2004	<1,000	<200	9.2	<5.0	<5.0	<5.0	<5.0	<5.0
	07/01/2004	**<10,000**	**<2,000**	**<50**	**<50**	**<50**	**<50**	**<50**	**<50**
MW-3	7/7/2003	<100	<20	--	<0.50	<0.50	0.65	--	--
	02/05/2004	<100	<20	4.6	<0.50	<0.50	<0.50	<0.50	<0.50
	07/01/2004	**<100**	**<20**	**3.3**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
RW-1	7/7/2003	<50,000	<10,000	--	<250	<250	<250	--	--
	07/01/2004	**<10,000**	**<2,000**	**72**	**<50**	**<50**	**<50**	**<50**	**<50**

Table 2

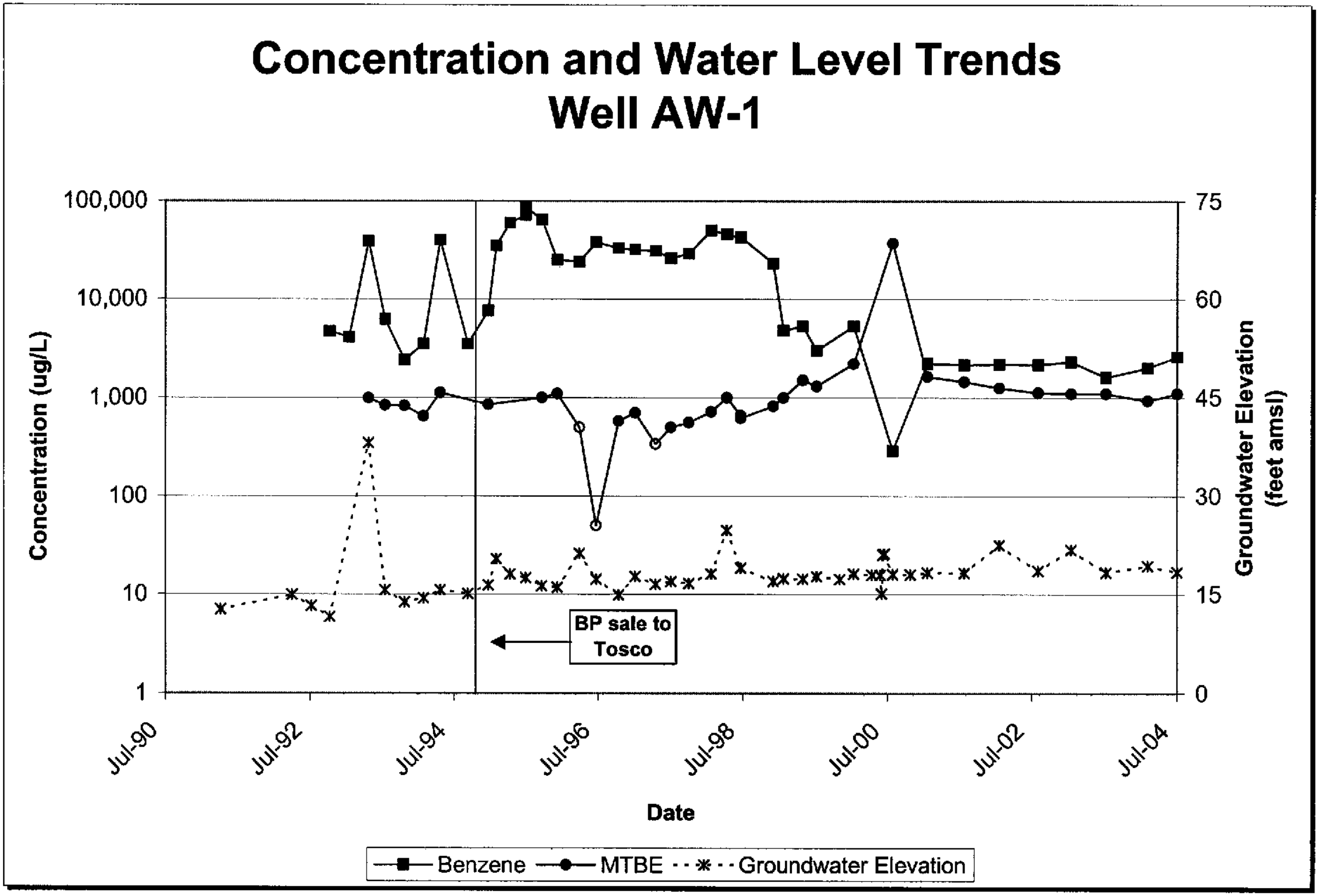
Fuel Additives Analytical Data

Former BP Station No. 11133
2220 98th Ave., Oakland, CA

Note: All fuel oxygenate compounds analyzed using EPA Method 8260B.
TBA = tert-butyl alcohol
MTBE = methyl tert-butyl ether
DIPE = di-isopropyl ether
ETBE = ethyl tert butyl ether
TAME = tert-Amyl methyl ether
1, 2-DCA = 1,2-dichloroethane
EDB = 1,2-dibromoethane
ug/L = micrograms per liter
< = less than or equal to the laboratory reporting limit

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS


Concentration and Water Level Trends
Well AW-1
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Groundwater Elevation
(feet amsl)
75
60
45
30
15
0
BP sale to
Tosco
Jul-90
Jul-92
Jul-94
Jul-96
Jul-98
Jul-00
Jul-02
Jul-04
Date
Benzene
MTBE
Groundwater Elevation

ATTACHMENT B

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 # 040701-PC2 Date 7/1/04 Client BP 11133

Site 2220 98th Ave., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					13.20	28.32		
MW-2	2					9.94	31.30		G.O.
MW-3	2					14.57	34.14		
AW-1	2					19.72	38.48		
AW-2	2					17.55	34.68		Tr. G.O.
AW-3	2					15.62	35.58		Tr. G.O.
AW-4	2					18.24	32.82		Tr.
AW-5	4					19.43	42.94		
AW-6	4					17.91	34.08		
AW-7		well inaccessible - new median				-	-		Tr. G.O.
AW-8	2					18.25	37.25		Tr. G.O.
RW-1	6					16.75	37.70		√SPH

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-PC2	Station # BP 11153
Sampler: PC	Date: 7/1/04
Well I.D.: MW-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 28.32	Depth to Water: 13.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Other: ________

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

2.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 7.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1522	68.2	6.7	663	2.4	grey, gas odor, sheen
1525	68.3	6.8	677	4.8	↓
1528	68.4	6.8	675	7.2	↓

Did well dewater? Yes No	Gallons actually evacuated: 7.2
Sampling Time: 1535	Sampling Date: 7/1/04
Sample I.D.: MW-1	Laboratory: Pace Sequoia Other ____
Analyzed for: GRO BTEX MTBE DRO	Other: see COC
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 #: 040701-PC2	Station # BP 11133
Sampler: PC	Date: 7/1/04
Well I.D.: MW-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 34.14	Depth to Water: 14.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Other: ____________

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

3.1 x 3 = 9.3 Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1410	67.3	7.4	402	3.1	brown
1414	66.8	6.9	380	6.2	
1418	67.8	6.8	381	9.3	

Did well dewater? Yes No	Gallons actually evacuated: 9.5
Sampling Time: 1425	Sampling Date: 7/1/04
Sample I.D.: MW-3	Laboratory: Pace Sequoia Other________
Analyzed for: GRO BTEX MTBE DRO	Other: See COC
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 #: 040701-PC2	Station # BP 11133
Sampler: PC	Date: 7/1/04
Well I.D.: AW-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 38.48	Depth to Water: 19.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Extraction Pump, Other: ________

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Other: ________

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

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
3	x	3	=	9 Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1610	67.1	6.6	838	3	clear, odor
1613	66.5	6.5	853	6	
1617	66.5	6.5	853	9	

Did well dewater? Yes No	Gallons actually evacuated: 9
Sampling Time: 1622	Sampling Date: 7/1/04
Sample I.D.: AW-1	Laboratory: Pace Sequoia Other ________
Analyzed for: GRO BTEX MTBE DRO	Other: see COC.

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 #: 040701-PC2	Station # BP 11133
Sampler: PC	Date: 7/1/04
Well I.D.: AU-4	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 32.82	Depth to Water: 18.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

2.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1318	67.3	6.6	1274	2.3	grey
1321	67.1	6.7	1366	4.6	
1325	67.3	6.7	1368	6.9	

Did well dewater? Yes No	Gallons actually evacuated: 7
Sampling Time: 1332	Sampling Date: 7/1/04
Sample I.D.: AW-4	Laboratory: Pace Sequoia Other____
Analyzed for: ~~GRO~~ ~~BTEX~~ MTBE DRO	Other: see COC
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 #: 040701-PC2	Station # BP 11133
Sampler: PC	Date: 7/1/04
Well I.D.: AW-5	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 42.94	Depth to Water: 19.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Other: ________

Top of Screen: ________

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

15.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 45.9 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1459	69.6	6.6	502	15.5	clear
1503	68.9	6.5	588	31	↓
1507	68.4	6.6	545	46.5	

Did well dewater? Yes No	Gallons actually evacuated: 46.5
Sampling Time: 1512	Sampling Date: 7/1/04
Sample I.D.: AW-5	Laboratory: Pace Sequoia Other ________
Analyzed for: GRO BTEX MTBE DRO	Other: see COC
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 #: 040701-PC2	Station # BP 11133
Sampler: PC	Date: 7/1/04
Well I.D.: AW-6	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 34.08	Depth to Water: 17.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Other: ____________

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

10.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 31.5 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1438	69.4	6.5	401	10.5	clear
1440	69.5	6.4	445	21	↓
1443	70.2	6.5	452	31.5	

Did well dewater? Yes No	Gallons actually evacuated: 31.5
Sampling Time: 1450	Sampling Date: 7/1/04
Sample I.D.: AW-6	Laboratory: Pace ~~Sequoia~~ Other________
Analyzed for: GRO BTEX MTBE DRO	Other: see COC
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 #: 040701-PC2	Station # BP 11133
Sampler: PC	Date: 7/1/04
Well I.D.: RW-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 37.70	Depth to Water: 16.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Other: ______________

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

30.8 x 3 = 92.4 Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1548	70.0	6.7	697	31	clear
1554	69.8	6.7	687	62	odor
1600	69.5	6.7	672	93	

Did well dewater? Yes No	Gallons actually evacuated: 93
Sampling Time: 1604	Sampling Date: 7/1/04
Sample I.D.: RW-1	Laboratory: Pace Sequoia Other________
Analyzed for: GRO BTEX MTBE DRO	Other: see COC

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 11133 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

Date: 7/1/04

On-site Time: 1125	Temp: 65°F
Off-site Time: 1630	Temp: 75°F
Sky Conditions: cloudy/clear	
Meteorological Events: none	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: 11133	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 2220 98TH AVE., OAKLAND, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. 11133	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600100210	Consultant/Contractor Project No.:
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8891/925-299-8872	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	H_2SO_4	HNO_3	HCl			Requested Analysis: GRO / BTEX 8015/8021 8260	DRO w/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)				Sample Point Lat/Long and Comments
1	MW-1	1535		X				3				X			X				X	X	X				
2	MW-3	1425		X				3				X			X				X	X	X				
3	AW-1	1622		X				3				X			X				X	X	X				
4	AW-4	1332		X				3				X			X				X	X	X				
5	AW-5	1512		X				3				X			X				X	X	X				
6	AW-6	1450		X				3				X			X				X	X	X				
7	RW-1	1604		X				3				X			X				X	X	X				
8	TB-11133-7012004	-		X				2																	on hold
9																									
10																									

Sampler's Name: P. Cornish	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech	[signature] / URS					
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Custody Seals In Place Yes X No___ Temperature Blank Yes X No___ Cooler Temperature on Receipt ___ °F/C Trip Blank Yes X No___

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:

BP 11133
Station #

2220 98th Ave., Oakland
Station Address

Total Gallons Collected From Groundwater Monitoring Wells: 204

added equip. rinse water 20

any other adjustments ______

TOTAL GALS. RECOVERED 224

loaded onto BTS vehicle # 22

BTS event #	time	date
040701-PC2	1200	7 / 1 /04

signature [signature]

* *

REC'D AT	time	date
BTS		/ /

unloaded by signature ______

ATTACHMENT C

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

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

19 July, 2004

Leonard Niles
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11133, Oakland, CA
Work Order: MNG0058

Enclosed are the results of analyses for samples received by the laboratory on 07/02/04 13:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MNG0058
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	07/19/04 14:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNG0058-01	Water	07/01/04 15:35	07/02/04 13:15
MW-3	MNG0058-02	Water	07/01/04 14:25	07/02/04 13:15
AW-1	MNG0058-03	Water	07/01/04 16:22	07/02/04 13:15
AW-4	MNG0058-04	Water	07/01/04 13:32	07/02/04 13:15
AW-5	MNG0058-05	Water	07/01/04 15:12	07/02/04 13:15
AW-6	MNG0058-06	Water	07/01/04 14:50	07/02/04 13:15
RW-1	MNG0058-07	Water	07/01/04 16:04	07/02/04 13:15
TB-11133-7012004	MNG0058-08	Water	07/01/04 00:00	07/02/04 13:15

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with intact custody seals.

Sequoia Analytical

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URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11133, Oakland, CA Project Number: N/P Project Manager: Leonard Niles	MNG0058 **Reported:** 07/19/04 14:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNG0058-01) Water Sampled: 07/01/04 15:35 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	50	ug/l	100	4G09007	07/09/04	07/09/04	EPA 8260B	
Benzene	ND	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	**210**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	**300**	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**18000**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*78-129*		"	"	"	"	
MW-3 (MNG0058-02) Water Sampled: 07/01/04 14:25 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G09007	07/09/04	07/09/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11133, Oakland, CA Project Number: N/P Project Manager: Leonard Niles	MNG0058 **Reported:** 07/19/04 14:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AW-1 (MNG0058-03) Water	**Sampled: 07/01/04 16:22**	**Received: 07/02/04 13:15**							
tert-Amyl methyl ether	**170**	25	ug/l	50	4G09007	07/09/04	07/09/04	EPA 8260B	
Benzene	**2600**	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	**300**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**9900**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*78-129*		"	"	"	"	
AW-4 (MNG0058-04) Water	**Sampled: 07/01/04 13:32**	**Received: 07/02/04 13:15**							
tert-Amyl methyl ether	**9.6**	5.0	ug/l	10	4G09007	07/09/04	07/09/04	EPA 8260B	
Benzene	**970**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**310**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**64**	5.0	"	"	"	"	"	"	
Toluene	**200**	5.0	"	"	"	"	"	"	
Xylenes (total)	**1500**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**6000**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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Morgan Hill, CA 95037
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FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MNG0058
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	07/19/04 14:03

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AW-5 (MNG0058-05) Water Sampled: 07/01/04 15:12 Received: 07/02/04 13:15									
tert-Amyl methyl ether	**94**	5.0	ug/l	10	4G09007	07/09/04	07/09/04	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1600**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**550**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1100**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*78-129*	"	"	"	"	
AW-6 (MNG0058-06) Water Sampled: 07/01/04 14:50 Received: 07/02/04 13:15									
tert-Amyl methyl ether	**1600**	50	ug/l	100	4G09007	07/09/04	07/09/04	EPA 8260B	
Benzene	ND	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4600**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**9600**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11133, Oakland, CA Project Number: N/P Project Manager: Leonard Niles	MNG0058 **Reported:** 07/19/04 14:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MNG0058-07) Water	**Sampled: 07/01/04 16:04**	**Received: 07/02/04 13:15**							
tert-Amyl methyl ether	ND	50	ug/l	100	4G09007	07/09/04	07/10/04	EPA 8260B	
Benzene	**320**	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	**1900**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**72**	50	"	"	"	"	"	"	
Toluene	**87**	50	"	"	"	"	"	"	
Xylenes (total)	**7500**	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**47000**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*125 %*	*78-129*		*"*	*"*	*"*	*"*	

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URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11133, Oakland, CA Project Number: N/P Project Manager: Leonard Niles	MNG0058 **Reported:** 07/19/04 14:03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4G09007 - EPA 5030B P/T										
Blank (4G09007-BLK1)				Prepared & Analyzed: 07/09/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.63*		*"*	*5.00*		*113*	*78-129*			
Laboratory Control Sample (4G09007-BS1)				Prepared & Analyzed: 07/09/04						
tert-Amyl methyl ether	8.56	0.50	ug/l	10.0		86	56-140			
Benzene	10.2	0.50	"	10.0		102	78-124			
tert-Butyl alcohol	44.4	20	"	50.0		89	0-206			
Di-isopropyl ether	8.50	0.50	"	10.0		85	76-130			
1,2-Dibromoethane (EDB)	9.62	0.50	"	10.0		96	77-132			
1,2-Dichloroethane	8.36	0.50	"	10.0		84	77-136			
Ethanol	232	100	"	200		116	31-186			
Ethyl tert-butyl ether	8.94	0.50	"	10.0		89	61-141			
Ethylbenzene	9.24	0.50	"	10.0		92	84-117			
Methyl tert-butyl ether	8.02	0.50	"	10.0		80	63-137			
Toluene	9.70	0.50	"	10.0		97	78-129			
Xylenes (total)	31.2	0.50	"	30.0		104	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.23*		*"*	*5.00*		*85*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MNG0058
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	07/19/04 14:03

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4G09007 - EPA 5030B P/T										
Laboratory Control Sample (4G09007-BS2)				Prepared & Analyzed: 07/09/04						
Benzene	5.29	0.50	ug/l	6.40		83	78-124			
Ethylbenzene	6.88	0.50	"	6.96		99	84-117			
Methyl tert-butyl ether	8.29	0.50	"	9.92		84	63-137			
Toluene	32.9	0.50	"	29.7		111	78-129			
Xylenes (total)	38.8	0.50	"	33.7		115	83-125			
Gasoline Range Organics (C4-C12)	430	50	"	440		98	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.26*		*"*	*5.00*		*105*	*78-129*			
Laboratory Control Sample Dup (4G09007-BSD1)				Prepared: 07/09/04 Analyzed: 07/10/04						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	56-140	17	12	QC21
Benzene	10.6	0.50	"	10.0		106	78-124	4	12	
tert-Butyl alcohol	47.7	20	"	50.0		95	0-206	7	22	
Di-isopropyl ether	9.24	0.50	"	10.0		92	76-130	8	9	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	77-132	9	9	
1,2-Dichloroethane	12.0	0.50	"	10.0		120	77-136	36	13	QC21
Ethanol	225	100	"	200		112	31-186	3	37	
Ethyl tert-butyl ether	10.4	0.50	"	10.0		104	61-141	15	9	QC21
Ethylbenzene	9.56	0.50	"	10.0		96	84-117	3	10	
Methyl tert-butyl ether	10.5	0.50	"	10.0		105	63-137	27	13	QC21
Toluene	10.3	0.50	"	10.0		103	78-129	6	10	
Xylenes (total)	30.7	0.50	"	30.0		102	83-125	2	11	
Surrogate: 1,2-Dichloroethane-d4	*6.53*		*"*	*5.00*		*131*	*78-129*			*S01*
Matrix Spike (4G09007-MS1)	**Source: MNG0058-01**			Prepared & Analyzed: 07/09/04						
Gasoline Range Organics (C4-C12)	61900	5000	ug/l	44000	18000	100	70-124			
Surrogate: 1,2-Dichloroethane-d4	*6.02*		*"*	*5.00*		*120*	*78-129*			
Matrix Spike Dup (4G09007-MSD1)	**Source: MNG0058-01**			Prepared & Analyzed: 07/09/04						
Gasoline Range Organics (C4-C12)	61200	5000	ug/l	44000	18000	98	70-124	1	20	
Surrogate: 1,2-Dichloroethane-d4	*5.83*		*"*	*5.00*		*117*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MNG0058
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	07/19/04 14:03

Notes and Definitions

S01	The surrogate recovery was above control limits. The result may still be useful for its intended purpose.
QC21	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

bp

Project Name 11133 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

MNG 0058

Date: 7/1/04

On-site Time: 1125 Temp: 65°F
Off-site Time: 1630 Temp: 75°F
Sky Conditions: cloudy/clear
Meteorological Events: none
Wind Speed: Direction:

Send To:
Lab Name: SEQUOIA
Lab Address: 885 Jarvis Dr.
Morgan Hill, CA 95037
Lab PM Lisa Race
Tele/Fax: 408-776-9600 / 408-782-6308
Report Type & QC Level: 1 Send EDF Reports
BP/GEM Account No.: 400-6-21124
Lab Bottle Order No.:

BP/GEM Facility No.: 11133
BP/GEM Facility Address: 2220 98TH AVE., OAKLAND, CA
Site ID No. 11133
Site Lat/Long:
California Global ID #: T0600100210
BP/GEM PM Contact: PAUL SUPPLE
Address: P.O. Box 6549
Moraga, CA 94570
Tele/Fax: 925-299-8891/925-299-8872

Consultant/Contractor: URS
Address: 1333 Broadway, Suite 800
Oakland, CA 94612
e-mail EDD: donna_cosper@URSCorp.com
Consultant/Contractor Project No.:
Consultant Tele/Fax: 510-893-3600/510-874-3268
Consultant/Contractor PM: Leonard Niles
Invoice to: Consultant/Contractor or BP/GEM (circle one)
BP/GEM Work Release No:

Item No.	Sample Description	Time 07/01	Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	~~Unpreserved~~	H_2SO_4	HNO_3	HCl			GRO / BTEX	DRO w/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)			Sample Point Lat/Long and Comments
1	MW-1	1535		X			01	3 VOA				X			X				X	X	X			Lot B 0074040
2	MW-3	1425		X			02	3				X			X				X	X	X			
3	AW-1	1622		X			03	3				X			X				X	X	X			
4	AW-4	1332		X			04	3				X			X				X	X	X			
5	AW-5	1512		X			05	3				X			X				X	X	X			
6	AW-6	1450		X			06	3				X			X				X	X	X			
7	RW-1	1604		X			07	3				X			X				X	X	X			
8	TB-11133-7012004	-		X			08	2																on hold Lot HA413112
9																								
10																								

Sampler's Name: P. Cornish
Sampler's Company: Blaine
Shipment Date:
Shipment Method:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	7/2/04	1150	[signature]	7/2/04	1150
[signature]	7/2/04	1315	[signature]	7/2/04	13:15

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

Custody Seals In Place Yes X No   Temperature Blank Yes X No   Cooler Temperature on Receipt 6 °F/C   Trip Blank Yes X No

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT) Loavanya
WORKORDER: MOG 0258

DATE REC'D AT LAB: 07/02/04
TIME REC'D AT LAB: 13:15
DATE LOGGED IN: 7-3-04

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) Present / Absent
   Intact / Broken*
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. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*
10. Sample received within hold time? Yes / No*
11. Adequate sample volume received? Yes / No*
12. Proper Preservatives used? Yes / No*
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*
14. Temp Rec. at Lab: 6°C
    Is temp 4 +/-2°C? Yes / No**
(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)

AV 07/02/03

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

SRL Revision 5
Replaces Rev 4 (11/10/03)
Effective 08/07/04

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

07/20/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11133, Oakla
Work Order Number:	MNG0058
Global ID:	T0600100210
Lab Report Number:	MNG0058071920041403

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNG0058071920 041403	AW-1	MNG005803	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/09/04	4G09007	1
MNG0058071920 041403	AW-4	MNG005804	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/09/04	4G09007	1
MNG0058071920 041403	AW-5	MNG005805	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/09/04	4G09007	1
MNG0058071920 041403	AW-6	MNG005806	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/09/04	4G09007	1
MNG0058071920 041403	MW-1	MNG005801	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/09/04	4G09007	1
MNG0058071920 041403	MW-3	MNG005802	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/09/04	4G09007	1
MNG0058071920 041403	RW-1	MNG005807	W	CS	8260FA	SW5030B	07/01/04	07/09/04	07/10/04	4G09007	1
		4G09007BSD1	WQ	BD1	8260FA	SW5030B	/ /	07/09/04	07/10/04	4G09007	1
		4G09007BS1	WQ	BS1	8260FA	SW5030B	/ /	07/09/04	07/09/04	4G09007	1
		4G09007BS2	WQ	BS2	8260FA	SW5030B	/ /	07/09/04	07/09/04	4G09007	1
		4G09007BLK1	WQ	LB1	8260FA	SW5030B	/ /	07/09/04	07/09/04	4G09007	1
		4G09007MS1	W	MS1	8260FA	SW5030B	/ /	07/09/04	07/09/04	4G09007	1
		4G09007MSD1	W	SD1	8260FA	SW5030B	/ /	07/09/04	07/09/04	4G09007	1

EDFSAMP: Error Summary Log

07/20/04

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

EDFTEST: Error Summary Log

07/20/04

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

EDFRES: Error Summary Log

07/20/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4G09007MS1	MS1	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	4G09007MS1	MS1	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	4G09007MSD1	SD1	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	4G09007MSD1	SD1	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005801	CS	W	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	MNG005801	CS	W	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	MNG005801	CS	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	MNG005801	CS	W	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	MNG005801	CS	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005801	CS	W	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	MNG005802	CS	W	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	MNG005802	CS	W	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	MNG005802	CS	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	MNG005802	CS	W	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	MNG005802	CS	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005802	CS	W	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	MNG005803	CS	W	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	MNG005803	CS	W	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	MNG005803	CS	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	MNG005803	CS	W	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	MNG005803	CS	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005803	CS	W	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	MNG005804	CS	W	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	MNG005804	CS	W	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	MNG005804	CS	W	8260FA	PR	07/09/04	1	DCA12D4

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNG005804	CS	W	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	MNG005804	CS	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005804	CS	W	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	MNG005805	CS	W	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	MNG005805	CS	W	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	MNG005805	CS	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	MNG005805	CS	W	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	MNG005805	CS	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005805	CS	W	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	MNG005806	CS	W	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	MNG005806	CS	W	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	MNG005806	CS	W	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	MNG005806	CS	W	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	MNG005806	CS	W	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	MNG005806	CS	W	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	MNG005807	CS	W	8260FA	PR	07/10/04	1	BZ
Warning: extra parameter	MNG005807	CS	W	8260FA	PR	07/10/04	1	BZME
Warning: extra parameter	MNG005807	CS	W	8260FA	PR	07/10/04	1	DCA12D4
Warning: extra parameter	MNG005807	CS	W	8260FA	PR	07/10/04	1	EBZ
Warning: extra parameter	MNG005807	CS	W	8260FA	PR	07/10/04	1	GROC4C12
Warning: extra parameter	MNG005807	CS	W	8260FA	PR	07/10/04	1	XYLENES
Warning: extra parameter	4G09007BLK1	LB1	WQ	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	4G09007BLK1	LB1	WQ	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	4G09007BLK1	LB1	WQ	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	4G09007BLK1	LB1	WQ	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	4G09007BLK1	LB1	WQ	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	4G09007BLK1	LB1	WQ	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	4G09007BS1	BS1	WQ	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	4G09007BS1	BS1	WQ	8260FA	PR	07/09/04	1	BZME

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4G09007BS1	BS1	WQ	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	4G09007BS1	BS1	WQ	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	4G09007BS1	BS1	WQ	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	4G09007BS2	BS2	WQ	8260FA	PR	07/09/04	1	BZ
Warning: extra parameter	4G09007BS2	BS2	WQ	8260FA	PR	07/09/04	1	BZME
Warning: extra parameter	4G09007BS2	BS2	WQ	8260FA	PR	07/09/04	1	DCA12D4
Warning: extra parameter	4G09007BS2	BS2	WQ	8260FA	PR	07/09/04	1	EBZ
Warning: extra parameter	4G09007BS2	BS2	WQ	8260FA	PR	07/09/04	1	GROC4C12
Warning: extra parameter	4G09007BS2	BS2	WQ	8260FA	PR	07/09/04	1	XYLENES
Warning: extra parameter	4G09007BSD1	BD1	WQ	8260FA	PR	07/10/04	1	BZ
Warning: extra parameter	4G09007BSD1	BD1	WQ	8260FA	PR	07/10/04	1	BZME
Warning: extra parameter	4G09007BSD1	BD1	WQ	8260FA	PR	07/10/04	1	DCA12D4
Warning: extra parameter	4G09007BSD1	BD1	WQ	8260FA	PR	07/10/04	1	EBZ
Warning: extra parameter	4G09007BSD1	BD1	WQ	8260FA	PR	07/10/04	1	XYLENES
Error: LNOTE has an invalid note	4G09007BSD1	BD1	WQ	8260FA	PR	07/10/04	1	DCA12D4

EDFQC: Error Summary Log

07/20/04

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

EDFCL: Error Summary Log

07/20/04

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

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Confirmation Number:	2995647192
Date/Time of Submittal:	7/20/2004 10:00:51 AM
Facility Global ID:	T0600100210
Facility Name:	BP
Submittal Title:	Third Quarter 2004 Groundwater Monitoring Report Site #11133
Submittal Type:	GW Monitoring Report

Click here to view the detections report for this upload.

BP
2220 98TH AVE
OAKLAND, CA 94603

Regional Board - Case #: 01-0224
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: 3877
ALAMEDA COUNTY LOP - **(UNK)**

CONF #	TITLE	QUARTER
2995647192	Third Quarter 2004 Groundwater Monitoring Report Site #11133	Q3 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	7/20/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	6
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N

MISSING PARAMETERS NOT TESTED:
- 8260FA REQUIRES DBFM TO BE TESTED
- 8260FA REQUIRES BR4FBZ TO BE TESTED
- 8260FA REQUIRES BZMED8 TO BE TESTED

LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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