RO-66

Atlantic Richfield Company
(a BP affiliated company)

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

January 11, 2005

Re: Fourth Quarter 2004 Groundwater Monitoring Report
Former BP Service Station #11126
1700 Powell Street
Emeryville, California
URS Project #38486797

I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager

URS

January 11, 2005

Mr. Robert Schultz
Alameda County Health Care Services Agency, Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Fourth Quarter 2004 Groundwater Monitoring Report**
Former BP Service Station #11126
1700 Powell Street
Emeryville, California
URS Project #38486797

Dear Mr. Schultz:

On behalf of the Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Fourth Quarter 2004 Groundwater Monitoring Report* for the Former BP Service Station #11126, located at 1700 Powell Street, Emeryville, California.

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

Sincerely,

URS CORPORATION

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

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

Enclosure: Fourth Quarter 2004 Groundwater Monitoring Report

cc: Mr. Kyle Christie, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Ms. Liz Sewell, ConocoPhillips, electronic copy uploaded to FTP Server

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

REPORT

FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT

FORMER BP SERVICE STATION #11126
1700 POWELL STREET
EMERYVILLE, CALIFORNIA

Prepared for
RM

January 11, 2005

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486797

Date: January 11, 2005
Quarter: 4Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11126	Address:	1700 Powell Street, Emeryville, CA
RM Environmental Business Manager:			Kyle Christie
Consulting Co./Contact Person:			URS Corporation / Leonard Niles
Consultant Project No.:			38486797
Primary Agency:			Alameda County Environmental Health (ACEH)

WORK PERFORMED THIS QUARTER (Fourth – 2004):

1. Prepared and submitted third quarter 2004 groundwater monitoring report.
2. Performed fourth quarter groundwater monitoring event on December 1, 2004.
3. Discontinued batch groundwater extraction events on October 5, 2004 due to limited recovery.

WORK PROPOSED FOR NEXT QUARTER (First – 2005):

1. Prepared and submitted this fourth quarter 2004 groundwater monitoring report.
2. Perform first quarter 2005 groundwater monitoring event.
3. Prepare and submit first quarter 2005 groundwater monitoring report.
4. Prepare and submit a work plan addendum for additional off-site subsurface investigation.
5. Perform off-site subsurface investigation pending agency approval, property access, and permitting.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1 through MW-9 quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Groundwater Batch Extraction (discontinued October 5, 2004), monitored natural attenuation
Approximate Depth to Groundwater:	3.93 (MW-1) to 7.34 (MW-4) feet
Groundwater Recovered this quarter (as of 12/1/04):	14 gallons (approximate)
Cumulative Groundwater Recovered since 6/8/04:	125 gallons (approximate)
Groundwater Gradient (direction):	Variable from northwest to southeast, primarily to the southwest
Groundwater Gradient (magnitude):	0.02 feet per foot

DISCUSSION:

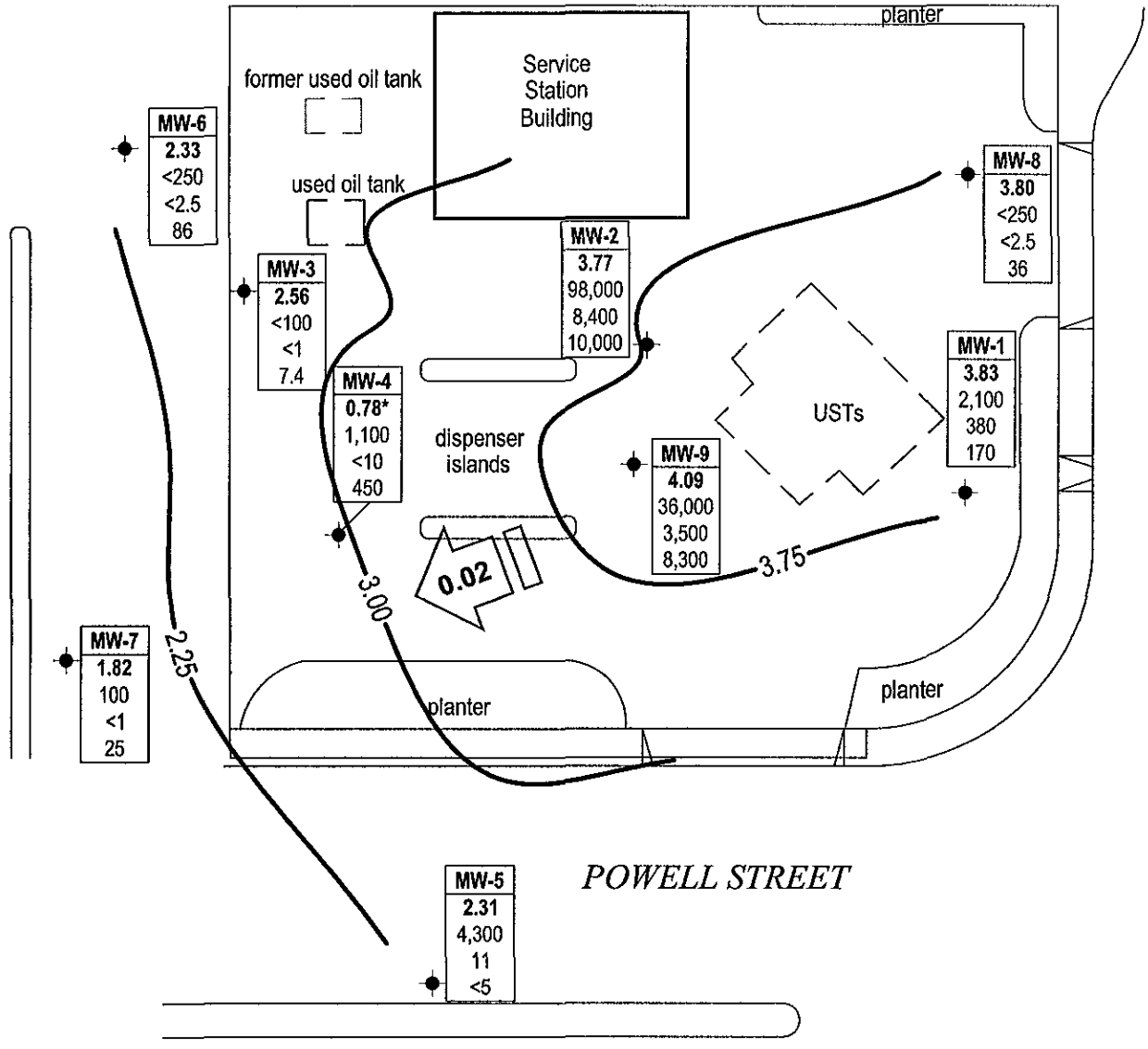
Gasoline range organics (GRO) were detected at or above laboratory reporting limits in six of the nine wells sampled this quarter at concentrations ranging from 100 µg/L (MW-7) to 98,000 µg/L (MW-2). Benzene was detected at or above laboratory reporting limits in four of the nine wells sampled at concentrations ranging from 11 µg/L (MW-5) to 8,400 µg/L (MW-2). Methyl tert butyl ether (MTBE) was detected at or above laboratory reporting limits in eight of the nine wells sampled at concentrations ranging from 7.4 µg/L (MW-3) to 10,000 µg/L (MW-2). Toluene was detected at or above laboratory reporting limits in two of the nine wells sampled at concentrations of 8.0 µg/L (MW-1) and 13,000 µg/L (MW-2). Ethylbenzene was detected at or above laboratory reporting limits in four of the nine wells sampled at concentrations ranging from 5.5 µg/L (MW-5) to 4,600 µg/L (MW-2). Xylenes were detected at or above laboratory reporting limits in four of the nine wells sampled at concentrations ranging from 15 µg/L (MW-5) to 21,000 µg/L (MW-2). Diesel range organics (DRO) and Total Oil and Grease (TOG) were only analyzed in well MW-3. DRO was detected at a concentration of 690 µg/L. TOG was not detected above the laboratory reporting limit of 5.0 mg/L. Groundwater samples collected during this event were also analyzed for fuel oxygenates, including ethanol, by EPA Method 8260B. The only fuel oxygenates other than MTBE detected above laboratory reporting limits were tert-butyl alcohol (TBA) and tert-amyl methyl ether (TAME). TBA was detected at or above laboratory reporting limits in five of the nine wells sampled at concentrations ranging from 300 µg/L (MW-1) to 19,000 µg/L (MW-4). TAME was detected at or above laboratory reporting limits in four of the nine wells sampled at concentrations ranging from 1.1 µg/L (MW-7) to 230 µg/L (MW-2). Ethanol was not detected at or above laboratory reporting limits in any of the wells sampled this quarter.

A program of biweekly batch extraction using a vacuum truck was started in June 2004. Groundwater was extracted from wells MW-1, MW-2, MW-4, MW-8 and MW-9, as proposed in the July 2003 *Interim Remedial Action and Offsite Assessment Workplan,* as modified in April 2004. Well yields were low; each well typically dewatered and recharged extremely slowly. As a result of the limited groundwater recovery, URS has discontinued batch extraction at this site with ACEH approval. The volume of groundwater extracted per event was estimated based on the calculated well volume and the number of times it was dewatered per event (typically 1 or 2). Approximately 14 gallons were extracted from the site during the final batch extraction event, which took place on October 5, 2004. Depth to water measured in site wells before extraction, after extraction from MW-9, and after extraction from the remaining wells, and the approximate volumes of groundwater extracted are shown in Table 3. Batch extraction field logs are provided as Attachment D.

The installation of three downgradient off-site monitoring wells was proposed in the July 2003 "*Interim Remedial Action and Offsite Assessment Workplan*", approved April 2004 by ACEH. Access to install two of these wells on the Powell Street Plaza property and one well on the adjacent Denny's Restaurant property is still being negotiated by RM. In addition, URS has applied for encroachment permits from Caltrans to allow installation of an additional two off-site wells on the west side of Interstate 80, adjacent to the Shell service station at the Powell Street and Frontage Road intersection. URS will prepare and submit an off-site well installation work plan addendum in the first quarter 2005.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – December 1, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Table 3 – Groundwater Extraction Volumes and Depth to Water Measurements
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmation
- Attachment D – Groundwater Batch Extraction Field Logs



EXPLANATION

- Monitoring well
- 2.25 — Groundwater elevation contour (ft/MSL)
- Well designation / Groundwater elevation (ft/MSL) / GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L)
- < Not detected at or above laboratory reporting limits
- 0.02 Groundwater flow direction and gradient (ft/ft)
- * Data not used in contouring

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

NORTH

0 30 60

SCALE IN FEET

URS	Project No. 38486797 Former BP Service Station #11126 1700 Powell Street Emeryville, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2004 (December 1, 2004)	FIGURE 1

Jan 11, 2005 - 1:44pm
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Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-1	11/4/1992	--	k	7.76	4.96	--	2.80	5,300	1,100	480	<0.5	1,500	--	--	PACE	--	--	--	--
	10/12/1993	--	k	7.76	5.26	--	2.50	3,600	970	71	100	550	6,111	--	PACE	--	--	--	--
	2/15/1994	--	k	7.76	4.98	--	2.78	17,000	4,200	510	360	1,600	5,495	3.9	PACE	--	--	--	--
	5/11/1994	--	k	7.76	4.55	--	3.21	5,500	2,900	37	56	64	705	8.0	PACE	--	--	--	--
	8/1/1994	--	d, e	--	--	--	--	16,000	3,600	750	510	2,800	9,800	--	PACE	--	--	--	--
	8/1/1994	--	d,k	7.76	5.51	--	2.25	15,000	3,600	740	510	2,800	9,718	2.9	PACE	--	--	--	--
	10/18/1994	--	e	--	--	--	--	16,000	1,900	64	170	950	--	--	PACE	--	--	--	--
	10/18/1994	--	k	7.76	5.11	--	2.65	16,000	1,800	61	160	890	15,668	2.9	PACE	--	--	--	--
	1/13/1995	--	e	--	--	--	--	590	88	0.7	<0.5	55	--	--	ATI	--	--	--	--
	1/13/1995	--	--	7.76	3.05	--	4.71	220	7	<0.5	1	23	--	6.6	ATI	--	--	--	--
	4/13/1995	--	--	7.76	3.84	--	3.92	9,300	4,000	300	200	950	--	7.7	ATI	--	--	--	--
	7/11/1995	--	--	7.76	3.60	--	4.16	15,000	2,200	84	<25	2,500	--	8.8	ATI	--	--	--	--
	11/2/1995	--	--	7.76	4.58	--	3.18	19,000	920	<100	<100	430	52,000	7.3	ATI	--	--	--	--
	2/5/1996	--	--	7.76	4.43	--	3.33	4,600	1,400	330	54	247	8,700	3.2	SPL	--	--	--	--
	4/24/1996	--	--	7.76	4.00	--	3.76	2,000	510	33	61	228	4,500	7.5	SPL	--	--	--	--
	7/15/1996	--	--	7.76	4.30	--	3.46	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/1996	--	e	--	--	--	--	12,000	2,800	160	390	1,610	63,000	--	SPL	--	--	--	--
	7/16/1996	--	--	7.76	--	--	--	12,000	2,800	170	390	1,630	64,000	7.9	SPL	--	--	--	--
	7/30/1996	--	--	7.76	4.64	--	3.12	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/1996	--	--	7.76	--	--	--	11,000	2,500	160	<10	1,740	440,000	7.0	SPL	--	--	--	--
	11/4/1996	--	--	7.76	5.98	--	1.78	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	f	7.76	--	--	--	53,000	1,300	43	100	349	42000/190 000	6.6	SPL	--	--	--	--
	5/17/1997	--	--	7.76	4.65	--	3.11	52,000	1,958	55	305	1,216	140,198	5.7	SPL	--	--	--	--
	8/11/1997	--	--	7.76	4.90	--	2.86	25,000	540	6.7	<5.0	57	360,000	7.9	SPL	--	--	--	--
	11/17/1997	--	--	7.76	6.12	--	1.64	93,000	1,200	31	180	40	400,000	7.6	SPL	--	--	--	--
	1/29/1998	--	--	7.76	4.90	--	2.86	4,800	320	24	52	19.9	<50	6.6	SPL	--	--	--	--
	6/22/1998	--	--	7.76	4.62	--	3.14	63,000	180	<5.0	15	69	57,000	6.0	--	--	--	--	--
	12/30/1998	--	f	7.76	5.41	--	2.35	22,000	2,500	24	120	400	15000/130 00	--	SPL	--	--	--	--
	3/9/1999	--	--	7.76	3.40	--	4.36	16,000	2,000	84	290	510	13,000	--	SPL	--	--	--	--
	6/23/1999	--	--	7.76	4.60	--	3.16	9,600	4,500	21	160	260	24,000	--	SPL	--	--	--	--
	9/23/1999	--	--	7.76	4.21	--	3.55	3,800	1,600	32	150	240	7,100	--	SPL	--	--	--	--
	12/28/1999	--	--	7.76	4.10	--	3.66	3,400	<2200	17	53	130	5,500	--	PACE	--	--	--	--

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1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-1	3/22/2000	--	--	7.76	5.51	--	2.25	6,400	1,100	45	190	330	4,900	--	PACE	--	--	---	---
	5/26/2000	--	--	7.76	4.79	--	2.97	110,000	700	44	140	250	320,000	--	PACE	--	--	---	---
	9/6/2000	--	--	7.76	5.19	--	2.57	5,600	1,000	13	57	90	19,000	--	PACE	--	--	---	---
	9/15/2000	--	--	7.76	5.73	--	2.03	--	--	--	--	--	--	--	---	--	--	---	---
	12/11/2000	--	--	7.76	5.82	--	1.94	5,500	1,160	47.1	155	292	3,900	--	PACE	--	--	---	---
	3/29/2001	--	h	7.76	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	6/27/2001	--	--	7.76	5.49	--	2.27	6,100	1,200	12.9	17.3	77.9	1,780	--	PACE	--	--	---	---
	9/19/2001	--	--	7.76	6.19	--	1.57	1,800	102	<12.5	<12.5	<37.5	1,090	--	PACE	--	--	---	---
	12/28/2001	--	--	7.76	5.27	--	2.49	4,000	540	11.8	20.4	64.6	1,120	--	PACE	--	--	---	---
	3/12/2002	--	--	7.76	5.68	--	2.08	3,700	491	8.39	12.4	27.3	1,020	--	PACE	--	--	---	---
	6/13/2002*	--	--	7.76	5.54	--	2.22	1,900	255	<12.5	<12.5	<25	6,490	--	PACE	--	--	---	---
	9/6/2002	--	--	7.76	5.56	--	2.20	1,100	170	5.1	2.2	20	550	--	SEQ	--	--	---	---
	12/13/2002	--	o	7.76	5.45	--	2.31	2,700	610	10	18	67	470	--	SEQ	--	--	---	---
	2/19/2003	--	p	7.76	3.00	--	4.76	1,500	180	<5.0	<5.0	15	610	--	SEQ	--	--	---	---
	6/6/2003	--	--	7.76	5.52	--	2.24	4,600	620	<25	<25	55	1,400	--	SEQ	--	--	---	---
	8/7/2003	--	--	7.76	5.55	--	2.21	2,000	290	<5.0	<5.0	15	920	--	SEQ	--	--	---	---
	11/20/2003	P	--	7.76	5.41	--	2.35	2,800	420	11	11	53	250	--	SEQM	6.7	--	--	--
	02/05/2004	P	--	7.76	3.42	--	4.34	<2,500	68	<25	<25	<25	460	--	SEQM	6.9	--	--	--
	04/28/2004	P	--	7.76	5.33	--	2.43	1,600	100	5.3	<5.0	8.8	200	--	SEQM	6.8	--	--	--
	08/26/2004	P	--	7.76	4.03	--	3.73	1,700	220	7.2	15	35	180	--	SEQM	6.7	--	--	<2.5
	12/01/2004	**P**	**--**	**7.76**	**3.93**	**--**	**3.83**	**2,100**	**380**	**8.0**	**34**	**76**	**170**	**--**	**SEQM**	**6.8**	**--**	**--**	**--**
MW-2	11/4/1992	--	e	--	--	--	--	12,000	3,200	980	<0.5	1,900	--	--	PACE	--	--	---	---
	11/4/1992	--	k	8.56	5.88	--	2.68	12,000	3,900	1,300	<0.5	2,300	--	--	PACE	--	--	---	---
	10/12/1993	--	k	8.56	6.29	--	2.27	4,500	3,400	180	230	940	442	--	PACE	--	--	---	---
	2/15/1994	--	e	--	--	--	--	1,800	290	160	14	250	--	--	PACE	--	--	---	---
	2/15/1994	--	k	8.56	5.56	--	3.00	2,000	430	270	28	390	127	4.0	PACE	--	--	---	---
	5/11/1994	--	d, e	--	--	--	--	15,000	5,600	1,500	470	2,000	740	--	PACE	--	--	---	---
	5/11/1994	--	k	8.56	5.17	--	3.39	14,000	3,900	1,200	440	1,900	953	8.9	PACE	--	--	---	---
	8/1/1994	--	k	8.56	5.43	--	3.13	8,200	3,000	420	230	680	1,676	2.6	PACE	--	--	---	---
	10/18/1994	--	k	8.56	5.71	--	2.85	9,000	2,000	140	150	420	2,417	7.2	PACE	--	--	---	---
	1/13/1995	--	--	8.56	4.67	--	3.89	7,900	2,200	42	<5	770	--	6.8	ATI	--	--	---	---
	4/13/1995	--	e	--	--	--	--	25,000	6,500	1,500	110	5,300	--	--	ATI	--	--	---	---
	4/13/1995	--	--	8.56	4.37	--	4.19	33,000	8,000	2,500	1,100	6,600	--	7.5	ATI	--	--	---	---

Table 1

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Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-2	7/11/1995	--	e	--	--	--	--	28,000	6,800	1,000	900	4,900	--	--	ATI	--	--	--	--
	7/11/1995	--	--	8.56	4.51	--	4.05	19,000	3,300	99	7.5	4,600	--	7.8	ATI	--	--	--	--
	11/2/1995	--	e	--	--	--	--	22,000	4,000	1,200	600	2,700	19,000	--	ATI	--	--	--	--
	11/2/1995	--	--	8.56	5.55	--	3.01	20,000	3,800	1,200	570	2,700	15,000	7.3	ATI	--	--	--	--
	2/5/1996	--	e	--	--	--	--	910	290	180	19	137	93	--	SPL	--	--	--	--
	2/5/1996	--	--	8.56	5.10	--	3.46	1,200	320	220	26	187	99	2.2	SPL	--	--	--	--
	4/24/1996	--	e	--	--	--	--	<500	100	30	<10	71	<100	--	SPL	--	--	--	--
	4/24/1996	--	--	8.56	4.95	--	3.61	<500	70	22	<10	61	<50	7.0	SPL	--	--	--	--
	7/15/1996	--	--	8.56	5.40	--	3.16	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/1996	--	--	8.56	--	--	--	12,000	3,300	1,400	250	2,610	1,400	7.8	SPL	--	--	--	--
	7/30/1996	--	--	8.56	5.44	--	3.12	--	--	--	--	--	--	--	--	--	--	--	--
	11/4/1996	--	--	8.56	7.06	--	1.50	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	e	--	--	--	--	9,200	1,300	170	<25	2,240	1,100	--	SPL	--	--	--	--
	11/5/1996	--	--	8.56	--	--	--	7,200	1,400	230	38	2,110	1,100	7.4	SPL	--	--	--	--
	5/17/1997	--	--	8.56	5.77	--	2.79	570	42	<5.0	5	60	210	6.9	SPL	--	--	--	--
	8/11/1997	--	--	8.56	5.71	--	2.85	6,300	1,800	130	86	397	2,400	8.5	SPL	--	--	--	--
	11/17/1997	--	--	8.56	6.91	--	1.65	2,400	220	30	33	259	130	7.9	SPL	--	--	--	--
	1/29/1998	--	--	8.56	4.61	--	3.95	<50	<0.5	<1.0	<1.0	<1.0	<10	6.2	SPL	--	--	--	--
	6/22/1998	--	--	8.56	4.80	--	3.76	4,200	640	150	120	650	560	5.4	SPL	--	--	--	--
	12/30/1998	--	--	8.56	5.21	--	3.35	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/1999	--	--	8.56	5.30	--	3.26	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/1999	--	--	8.56	4.75	--	3.81	3,800	760	19	210	960	910	--	SPL	--	--	--	--
	12/28/1999	--	--	8.56	4.51	--	4.05	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/2000	--	--	8.56	4.21	--	4.35	2,500	780	17	44	270	2,800	--	PACE	--	--	--	--
	5/26/2000	--	--	8.56	4.66	--	3.90	--	--	--	--	--	--	--	--	--	--	--	--
	9/6/2000	--	--	8.56	4.71	--	3.85	3,700	1,200	5.5	12	170	12,000	--	PACE	--	--	--	--
	9/15/2000	--	--	8.56	4.74	--	3.82	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2000	--	--	8.56	4.79	--	3.77	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/2001	--	h	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2001	--	j	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/2001	--	j	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/2001	--	j	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/12/2002	--	--	8.56	4.25	--	4.31	26,000	1,160	4.39	61.1	171	37,300	--	PACE	--	--	--	--
	6/13/2002*	--	--	8.56	4.94	--	3.62	18,000	578	<50	<50	<100	84,600	--	PACE	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-2	9/6/2002	--	--	8.56	5.23	--	3.33	26,000	440	<50	<50	<50	45,000	--	SEQ	--	--	---	---
	12/13/2002	--	o	8.56	4.94	--	3.62	69,000	1,200	<500	<500	<500	98,000	--	SEQ	--	--	---	---
	2/19/2003	--	p	8.56	4.14	--	4.42	78,000	1,100	<500	<500	<500	81,000	--	SEQ	--	--	---	---
	6/6/2003	--	--	8.56	4.66	--	3.90	120,000	1,100	<1000	<1000	<1000	72,000	--	SEQ	--	--	---	---
	8/7/2003	--	r	8.56	4.90	--	3.66	71,000	590	<500	<500	<500	83,000	--	SEQ	--	--	---	---
	11/20/2003	P	--	8.56	4.59	--	3.97	22,000	720	<100	<100	<100	18,000	--	SEQM	6.8	--	--	--
	02/05/2004	P	s	8.56	4.34	--	4.22	40,000	330	<250	<250	<250	22,000	--	SEQM	6.9	--	--	--
	04/28/2004	P	--	8.56	4.37	--	4.19	<25,000	690	<250	<250	<250	31,000	--	SEQM	6.9	--	--	--
	08/26/2004	P	--	8.56	4.59	--	3.97	140,000	8,200	18,000	4,200	19,000	11,000	--	SEQM	6.7	--	--	<250
	12/01/2004	**P**	**--**	**8.56**	**4.79**	**--**	**3.77**	**98,000**	**8,400**	**13,000**	**4,600**	**21,000**	**10,000**	**--**	**SEQM**	**6.9**	**--**	**--**	**--**
MW-3	11/4/1992	--	k	8.25	6.38	--	1.87	200	1.6	<0.5	<0.5	1.1	--	--	PACE	--	690	<5000	ND
	10/12/1993	--	e	--	--	--	--	150	5.6	0.6	<0.5	1.6	--	--	PACE	--	--	---	---
	10/12/1993	--	k	8.25	5.84	--	2.41	270	5	0.7	<0.5	2.6	96.3	--	PACE	--	2,100	<5000	ND
	2/15/1994	--	k	8.25	6.60	--	1.65	140	5.7	<0.5	<0.5	<0.5	30.1	3.9	PACE	--	2.3	90	ND
	5/11/1994	--	d,k	8.25	5.86	--	2.39	190	2.7	1.9	<0.5	1.9	51	9.2	PACE	--	2,500	<5000	ND
	8/1/1994	--	k	8.25	6.13	--	2.12	120	1.3	<0.5	0.5	1.1	17.6	2.9	PACE	--	1,300	<5000	ND
	10/18/1994	--	k	8.25	6.39	--	1.86	100	2.3	<0.5	<0.5	<0.5	21	3.6	PACE	--	2,200	<5000	ND
	1/13/1995	--	--	8.25	5.47	--	2.78	<50	0.8	<0.5	<0.5	<1	--	7.7	ATI	--	970	---	ND
	4/13/1995	--	--	8.25	5.17	--	3.08	530	8.7	1.9	<0.5	3.9	--	8.4	ATI	--	<500	2,100	ND
	7/11/1995	--	--	8.25	5.37	--	2.88	78	0.57	<0.50	<0.50	<1.0	--	8.3	ATI	--	2,100	1,900	ND
	11/2/1995	--	--	8.25	6.29	--	1.96	250	0.73	<0.50	<0.50	1.8	270	8.3	ATI	--	2,000	1,400	ND
	2/5/1996	--	--	8.25	5.80	--	2.45	<50	<0.5	<1	<1	2.7	11	3.5	SPL	--	1,600	9,000	ND
	4/24/1996	--	--	8.25	5.69	--	2.56	<50	<5	<10	<10	<10	150	8.6	SPL	--	2,800	6,000	ND
	7/15/1996	--	--	8.25	6.18	--	2.07	<250	<2.5	<5	<5	<5	<50	7.7	SPL	--	3,700	1,000	ND
	7/30/1996	--	--	8.25	6.04	--	2.21	--	--	--	--	--	--	--	---	--	--	---	---
	11/4/1996	--	--	8.25	7.84	--	0.41	--	--	--	--	--	--	--	---	--	--	---	---
	11/5/1996	--	--	8.25	--	--	--	90	<0.5	<1.0	<1.0	<1.0	30	6.8	SPL	--	890	2,000	ND
	5/17/1997	--	--	8.25	6.49	--	1.76	<50	<0.5	<1.0	<1.0	<1.0	52	6.3	SPL	--	2,100	700	ND
	8/11/1997	--	--	8.25	6.15	--	2.10	490	<2.5	<5.0	<5.0	<5.0	170	7.4	SPL	--	1,900	<5000	ND
	11/17/1997	--	--	8.25	7.15	--	1.10	120	<0.5	<1.0	<1.0	<1.0	46	7.0	SPL	--	2,500	<5000	ND
	1/29/1998	--	--	8.25	5.10	--	3.15	270	0.53	<1.0	<1.0	<1.0	330	6.4	SPL	--	1,700	2,000	ND
	6/22/1998	--	--	8.25	5.50	--	2.75	200	<0.5	<1.0	<1.0	<1.0	130	5.5	SPL	--	2,200	<5	ND
	12/30/1998	--	--	8.25	6.68	--	1.57	--	--	--	--	--	--	--	---	--	--	---	---

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-3	3/9/1999	--	--	8.25	5.53	--	2.72	60	<1.0	<1.0	<1.0	<1.0	19	--	SPL	--	840	7,600	---
	6/23/1999	--	--	8.25	6.60	--	1.65	--	--	--	--	--	--	--	---	--	--	---	---
	9/23/1999	--	--	8.25	6.17	--	2.08	--	--	--	--	--	--	--	---	--	--	---	---
	12/28/1999	--	--	8.25	6.00	--	2.25	--	--	--	--	--	--	--	---	--	--	---	---
	3/22/2000	--	--	8.25	4.77	--	3.48	690	4.2	3.1	0.81	2.7	2,900	--	PACE	--	<58	13,000	---
	5/26/2000	--	--	8.25	5.28	--	2.97	--	--	--	--	--	--	--	---	--	--	---	---
	9/15/2000	--	--	8.25	5.58	--	2.67	--	--	--	--	--	--	--	---	--	--	---	---
	12/11/2000	--	i	8.25	11.74	--	-3.49	--	--	--	--	--	--	--	---	--	--	---	---
	3/29/2001	--	--	8.25	5.04	--	3.21	650	<2.5	<2.5	<2.5	<7.5	680	--	PACE	--	<50	6,540	---
	6/27/2001	--	--	8.25	5.62	--	2.63	460	<2.5	<2.5	<2.5	<7.5	560	--	PACE	--	690	<5000	---
	9/19/2001	--	--	8.25	5.80	--	2.45	<500	<5.0	<5.0	<5.0	<15	464	--	PACE	--	520	<5000	---
	12/28/2001	--	--	8.25	4.85	--	3.40	180	<0.5	<0.5	<0.5	<1.0	180	--	PACE	--	550	<5000	---
	3/12/2002	--	--	8.25	4.39	--	3.86	410	<2.5	<2.5	<2.5	<5.0	443	--	PACE	--	1,300	<5000	---
	6/13/2002	--	*	8.25	5.38	--	2.87	<250	<2.5	<2.5	<2.5	<5.0	395	--	PACE	--	2,600	<5000	---
	9/6/2002	--	--	8.25	5.68	--	2.57	<200	<2.0	<2.0	<2.0	<2.0	650	--	SEQ	--	--	---	---
	12/13/2002	--	o	8.25	5.37	--	2.88	<50	<0.5	<0.5	<0.5	<0.5	60	--	SEQ	--	980	7,000	---
	2/19/2003	--	p	8.25	4.80	--	3.45	<1000	<10	<10	<10	<!0	120	--	SEQ	--	380	6,700	---
	6/6/2003	--	--	8.25	5.13	--	3.12	<500	<5.0	<5.0	<5.0	<5.0	180	--	SEQ	--	620	7.9	---
	8/7/2003	--	q	8.25	5.43	--	2.82	<500	5.7	<5.0	<5.0	<5.0	290	--	SEQ	--	820	5.4	---
	11/20/2003	P	q	8.25	4.72	--	3.53	<50	<0.50	<0.50	<0.50	<0.50	17	--	SEQM	6.9	1,200	<4.8	--
	02/05/2004	P	q	8.25	5.17	--	3.08	<50	<0.50	<0.50	<0.50	<0.50	12	--	SEQM	7.0	340	8.2	--
	04/28/2004	P	q	8.25	4.87	--	3.38	<100	<1.0	<1.0	<1.0	<1.0	87	--	SEQM	7.1	240	<5,100	--
	08/26/2004	P	q	8.25	5.42	--	2.83	56	<0.50	<0.50	<0.50	<0.50	34	--	SEQM	7.0	250	<10,000	<0.50
	12/01/2004	**P**	**--**	**8.25**	**5.69**	**--**	**2.56**	**<100**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**7.4**	**--**	**SEQM**	**6.9**	**690**	**<5.0**	**--**
MW-4	11/4/1992	--	k	8.12	6.66	--	1.46	340	4.5	<0.5	4.3	<0.5	--	--	PACE	--	--	---	---
	10/12/1993	--	k	8.12	6.87	--	1.25	160	5.8	1.4	0.8	2.7	261	--	PACE	--	--	---	---
	2/15/1994	--	d,k	8.12	6.61	--	1.51	110	4.4	0.7	<0.5	2.5	118	4.3	PACE	--	--	---	---
	5/11/1994	--	d,k	8.12	5.89	--	2.23	120	0.5	0.8	<0.5	<0.5	137	9.3	PACE	--	--	---	---
	8/1/1994	--	k	8.12	6.87	--	1.25	140	0.7	2	5.2	15	138	3.3	PACE	--	--	---	---
	10/18/1994	--	k	8.12	6.62	--	1.50	140	3.5	<0.5	0.5	<0.5	197	3.0	PACE	--	--	---	---
	1/13/1995	--	--	8.12	7.27	--	0.85	<50	<0.5	<0.5	<0.5	<1	--	7.9	ATI	--	--	---	---
	4/13/1995	--	--	8.12	6.51	--	1.61	73	1.2	<0.5	<0.5	<1	--	9.9	ATI	--	--	---	---
	7/11/1995	--	--	8.12	6.21	--	1.91	82	0.57	<0.50	<0.50	<1.0	--	7.2	ATI	--	--	---	---

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-4	11/2/1995	--	--	8.12	6.78	--	1.34	71	1.4	0.96	0.99	2.8	140	8.6	ATI	--	--	---	---
	2/5/1996	--	--	8.12	6.41	--	1.71	<50	<5	<10	<10	<10	200	4.4	SPL	--	--	---	---
	4/24/1996	--	--	8.12	6.18	--	1.94	<250	<2.5	<5	<5	<5	510	8.3	SPL	--	--	---	---
	7/15/1996	--	--	8.12	6.63	--	1.49	<50	5.7	<1	<1	<1	550	7.4	SPL	--	--	---	---
	7/30/1996	--	--	8.12	6.34	--	1.78	--	--	--	--	--	--	--	---	--	--	---	---
	11/4/1996	--	--	8.12	8.27	--	-0.15	--	--	--	--	--	--	--	---	--	--	---	---
	11/5/1996	--	f	8.12	--	--	--	460	<2.5	11	<5.0	<5.0	620/610	7.3	SPL	--	--	---	---
	5/17/1997	--	--	8.12	7.00	--	1.12	--	--	--	--	--	--	--	---	--	--	---	---
	8/11/1997	--	--	8.12	6.81	--	1.31	--	--	--	--	--	--	--	---	--	--	---	---
	11/17/1997	--	--	8.12	9.19	--	-1.07	840	<0.5	<1.0	<1.0	<1.0	880	7.3	SPL	--	--	---	---
	1/29/1998	--	--	8.12	7.94	--	0.18	--	--	--	--	--	--	--	---	--	--	---	---
	6/22/1998	--	--	8.12	7.49	--	0.63	--	--	--	--	--	--	--	---	--	--	---	---
	12/30/1998	--	--	8.12	8.21	--	-0.09	--	--	--	--	--	--	--	---	--	--	---	---
	3/9/1999	--	--	8.12	7.70	--	0.42	1,200	<1.0	<1.0	<1.0	<1.0	2,000	--	SPL	--	--	---	---
	6/23/1999	--	--	8.12	8.81	--	-0.69	--	--	--	--	--	--	--	---	--	--	---	---
	9/23/1999	--	--	8.12	8.32	--	-0.20	--	--	--	--	--	--	--	---	--	--	---	---
	12/28/1999	--	--	8.12	8.21	--	-0.09	--	--	--	--	--	--	--	---	--	--	---	---
	3/22/2000	--	--	8.12	6.74	--	1.38	910	<0.5	<0.5	0.54	1.7	3,800	--	PACE	--	--	---	---
	5/26/2000	--	--	8.12	5.13	--	2.99	--	--	--	--	--	--	--	---	--	--	---	---
	9/15/2000	--	--	8.12	8.20	--	-0.08	--	--	--	--	--	--	--	---	--	--	---	---
	12/11/2000	--	--	8.12	8.31	--	-0.19	--	--	--	--	--	--	--	---	--	--	---	---
	3/29/2001	--	h	8.12	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	6/27/2001	--	--	8.12	7.57	--	0.55	2,800	18.9	<2.5	<2.5	<7.5	4,220	--	PACE	--	--	---	---
	9/19/2001	--	--	8.12	7.87	--	0.25	2,500	<5.0	<5.0	<5.0	<15	3,340	--	PACE	--	--	---	---
	12/28/2001	--	--	8.12	7.80	--	0.32	4,400	<5.0	<5.0	<5.0	<10	5,330	--	PACE	--	--	---	---
	3/12/2002	--	--	8.12	4.53	--	3.59	6,400	71.5	<5.0	<5.0	<10	8,440	--	PACE	--	--	---	---
	6/13/2002*	--	--	8.12	6.21	--	1.91	1,800	7.5	<5.0	5.03	13.1	6,870	--	PACE	--	--	---	---
	9/6/2002	--	--	8.12	7.78	--	0.34	<2000	<20	<20	<20	<20	9,600	--	SEQ	--	--	---	---
	12/13/2002	--	o	8.12	7.87	--	0.25	5,600	<50	<50	<50	<50	8,600	--	SEQ	--	--	---	---
	2/19/2003	--	p	8.12	4.84	--	3.28	<10000	<100	<100	<100	<100	8,000	--	SEQ	--	--	---	---
	6/6/2003	--	--	8.12	7.98	--	0.14	13,000	<50	<50	<50	<50	6,800	--	SEQ	--	--	---	---
	8/7/2003	--	--	8.12	7.24	--	0.88	6,200	<50	<50	<50	<50	6,600	--	SEQ	--	--	---	---
	11/20/2003	P	--	8.12	7.02	--	1.10	10,000	<100	<100	<100	<100	11,000	--	SEQM	7.3	--	--	--
	02/05/2004	P	s	8.12	7.37	--	0.75	6,900	<25	<25	<25	<25	4,700	--	SEQM	7.3	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-4	04/28/2004	P	--	8.12	4.81	--	3.31	<25,000	<250	<250	<250	<250	3,600	--	SEQM	7.2	--	--	--
	08/26/2004	P	t	8.12	5.65	--	2.47	<2,500	<25	<25	<25	<25	1,800	--	SEQM	7.2	--	--	<25
	12/01/2004	**P**	**--**	**8.12**	**7.34**	**--**	**0.78**	**1,100**	**<10**	**<10**	**<10**	**<10**	**450**	**--**	**SEQM**	**7.1**	**--**	**--**	**--**
MW-5	10/12/1993	--	k	7.69	6.01	--	1.68	--	--	--	--	--	--	--	PACE	--	--	--	--
	10/13/1993	--	k	7.69	--	--	--	2,300	160	10	<0.5	26	--	--	PACE	--	--	--	--
	2/15/1994	--	d,k	7.69	5.74	--	1.95	5,100	710	16	33	35	153	4.0	PACE	--	--	--	--
	5/11/1994	--	d,k	7.69	5.28	--	2.41	11,000	1,100	39	110	57	165	8.0	PACE	--	--	--	--
	8/1/1994	--	d,k	7.69	5.84	--	1.85	9,000	730	35	61	41	196	2.6	PACE	--	--	--	--
	10/18/1994	--	k	7.69	6.01	--	1.68	7,800	330	30	27	27	559	5.6	PACE	--	--	--	--
	1/13/1995	--	--	7.69	4.74	--	2.95	<500	290	6	<5	18	--	6.8	ATI	--	--	--	--
	4/13/1995	--	--	7.69	5.50	--	2.19	9,100	400	15	52	27	--	7.4	ATI	--	--	--	--
	7/11/1995	--	--	7.69	5.75	--	1.94	7,300	390	13	28	23	--	7.2	ATI	--	--	--	--
	11/3/1995	--	--	7.69	6.65	--	1.04	7,200	270	15	38	23	200	8.4	ATI	--	--	--	--
	2/5/1996	--	--	7.69	4.83	--	2.86	4,600	370	15	53	28	<50	1.9	SPL	--	--	--	--
	4/24/1996	--	--	7.69	6.09	--	1.60	3,000	180	<10	32	14	<100	8.1	SPL	--	--	--	--
	7/15/1996	--	--	7.69	6.57	--	1.12	--	--	--	--	--	--	--	--	--	--	--	--
	7/16/1996	--	--	7.69	--	--	--	<50	190	<10	31	16	<100	8.3	SPL	--	--	--	--
	7/30/1996	--	--	7.69	5.61	--	2.08	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/1996	--	--	7.69	--	--	--	2,000	150	12	25	18.2	<50	7.6	SPL	--	--	--	--
	11/4/1996	--	--	7.69	8.25	--	-0.56	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	7.69	--	--	--	5,200	42	5.5	13	<5.0	1,700	7.4	SPL	--	--	--	--
	5/17/1997	--	--	7.69	6.95	--	0.74	80	0.56	<1.0	<1.0	<1.0	46	6.7	SPL	--	--	--	--
	8/11/1997	--	--	7.69	6.72	--	0.97	2,700	20	12	6.7	9.7	1,900	8.5	SPL	--	--	--	--
	11/17/1997	--	--	7.69	9.49	--	-1.80	8,400	25	12	8.7	5.4	13,000	7.9	SPL	--	--	--	--
	1/29/1998	--	--	7.69	7.88	--	-0.19	110,000	2,500	110	180	589	180,000	6.8	SPL	--	--	--	--
	6/22/1998	--	--	7.69	7.40	--	0.29	4,400	47	10	29	20.5	47	6.6	SPL	--	--	--	--
	12/30/1998	--	f	7.69	6.13	--	1.56	6,000	18	9.1	22	16	63/44	--	SPL	--	--	--	--
	3/9/1999	--	--	7.69	4.79	--	2.90	4,600	8.8	5.5	12	11	24	--	SPL	--	--	--	--
	6/23/1999	--	--	7.69	5.95	--	1.74	3,400	1,500	8.9	54	87	7,500	--	SPL	--	--	--	--
	9/23/1999	--	--	7.69	5.43	--	2.26	2,600	510	14	140	650	580	--	SPL	--	--	--	--
	12/28/1999	--	--	7.69	5.30	--	2.39	3,500	900	18	57	140	4,800	--	PACE	--	--	--	--
	3/22/2000	--	h	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/26/2000	--	h	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-5	9/6/2000	--	h	7.69	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	9/15/2000	--	h	7.69	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	12/11/2000	--	h	7.69	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	3/29/2001	--	h	7.69	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	6/27/2001	--	j	7.69	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	9/19/2001	--	j	7.69	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	12/28/2001	--	--	7.69	4.65	--	3.04	4,600	19.9	24.6	16.2	57	72.3	--	PACE	--	--	---	---
	3/12/2002	--	--	7.69	5.35	--	2.34	5,100	45.4	13.7	22	38.9	31.6	--	PACE	--	--	---	---
	6/13/2002	--	*	7.69	5.34	--	2.35	2,900	31.8	<12.5	<12.5	<25	616	--	PACE	--	--	---	---
	9/6/2002	--	--	7.69	5.46	--	2.23	3,400	23	5.5	<5.0	11	230	--	SEQ	--	--	---	---
	12/13/2002	--	o	7.69	5.47	--	2.22	2,500	12	9.3	4.6	8.8	110	--	SEQ	--	--	---	---
	2/19/2003	--	p	7.69	5.29	--	2.40	2,800	11	5.4	9.7	12	6.4	--	SEQ	--	--	---	---
	6/6/2003	--	--	7.69	5.30	--	2.39	3,200	9.1	<5.0	7.6	9.3	<5.0	--	SEQ	--	--	---	---
	8/7/2003	--	--	7.69	5.33	--	2.36	2,200	7.3	<5.0	<5.0	9.1	18	--	SEQ	--	--	---	---
	11/20/2003	P	--	7.69	5.39	--	2.30	3,500	12	5.4	6.4	12	12	--	SEQM	6.5	--	--	--
	02/05/2004	P	--	7.69	5.34	--	2.35	2,800	7.0	3.5	5.2	8.2	<2.5	--	SEQM	6.9	--	--	--
	04/28/2004	P	--	7.69	5.53	--	2.16	5,700	7.8	4.2	5.2	11	11	--	SEQM	7.1	--	--	--
	08/26/2004	P	--	7.69	5.42	--	2.27	2,400	23	4.0	3.6	11	74	--	SEQM	6.8	--	--	<2.5
	12/01/2004	**P**	**--**	**7.69**	**5.38**	**--**	**2.31**	**4,300**	**11**	**<5.0**	**5.5**	**15**	**<5.0**	**--**	**SEQM**	**6.9**	**--**	**--**	**--**
MW-6	10/12/1993	--	k	8.52	6.59	--	1.93	63	<0.5	<0.5	<0.5	<0.5	44.4	--	PACE	--	--	---	---
	2/15/1994	--	d,k	8.52	6.31	--	2.21	68	<0.5	<0.5	<0.5	<0.5	38.1	3.1	PACE	--	--	---	---
	5/11/1994	--	d,k	8.52	6.15	--	2.37	68	<0.5	<0.5	<0.5	<0.5	48.5	8.7	PACE	--	--	---	---
	8/1/1994	--	k	8.52	6.46	--	2.06	91	<0.5	<0.5	<0.5	0.6	59.6	2.4	PACE	--	--	---	---
	10/18/1994	--	k	8.52	6.72	--	1.80	<50	<0.5	<0.5	<0.5	<0.5	84.6	6.0	PACE	--	--	---	---
	1/13/1995	--	--	8.52	5.95	--	2.57	<50	<0.5	<0.5	<0.5	<1	--	7.0	ATI	--	--	---	---
	4/13/1995	--	--	8.52	5.44	--	3.08	<50	<0.5	<0.5	<0.5	<1	--	8.5	ATI	--	--	---	---
	7/11/1995	--	--	8.52	5.68	--	2.84	<50	<0.50	<0.50	<0.50	<1.0	--	8.4	ATI	--	--	---	---
	11/2/1995	--	--	8.52	6.57	--	1.95	<50	<0.50	<0.50	<0.50	<1.0	35	8.3	ATI	--	--	---	---
	2/5/1996	--	--	8.52	6.27	--	2.25	<50	<5	<10	<10	<10	<100	2.2	SPL	--	--	---	---
	4/24/1996	--	--	8.52	5.95	--	2.57	<250	<2.5	<5	<5	<5	62	8.0	SPL	--	--	---	---
	7/15/1996	--	--	8.52	6.39	--	2.13	<250	<2.5	<5	<5	<5	<50	8.0	SPL	--	--	---	---
	7/30/1996	--	--	8.52	6.44	--	2.08	--	--	--	--	--	--	--	---	--	--	---	---
	11/4/1996	--	--	8.52	8.05	--	0.47	--	--	--	--	--	--	--	---	--	--	---	---

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-6	11/5/1996	--	--	8.52	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.3	SPL	--	--	--	--
	5/17/1997	--	--	8.52	6.75	--	1.77	--	--	--	--	--	--	--	--	--	--	--	--
	8/11/1997	--	--	8.52	6.48	--	2.04	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/1997	--	--	8.52	9.27	--	-0.75	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	SPL	--	--	--	--
	1/29/1998	--	--	8.52	7.98	--	0.54	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/1998	--	--	8.52	7.68	--	0.84	--	--	--	--	--	--	--	--	--	--	--	--
	12/30/1998	--	--	8.52	6.98	--	1.54	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1999	--	--	8.52	5.90	--	2.62	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/1999	--	--	8.52	6.93	--	1.59	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/1999	--	--	8.52	6.45	--	2.07	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1999	--	--	8.52	6.33	--	2.19	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/2000	--	--	8.52	5.15	--	3.37	--	--	--	--	--	--	--	--	--	--	--	--
	5/26/2000	--	--	8.52	5.72	--	2.80	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/2000	--	--	8.52	6.02	--	2.50	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2000	--	--	8.52	6.20	--	2.32	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/2001	--	--	8.52	5.34	--	3.18	750	<2.5	2.91	<2.5	11.8	820	--	PACE	--	--	--	--
	6/27/2001	--	--	8.52	6.00	--	2.52	760	32.9	<2.5	<2.5	<7.5	968	--	PACE	--	--	--	--
	9/19/2001	--	--	8.52	6.22	--	2.30	<500	<5.0	<5.0	<5.0	<15	879	--	PACE	--	--	--	--
	12/28/2001	--	n	8.52	4.71	--	3.81	--	--	--	--	--	--	--	--	--	--	--	--
	3/12/2002	--	--	8.52	4.96	--	3.56	<500	<5.0	<5.0	<5.0	<10	244	--	PACE	--	--	--	--
	6/13/2002	--	*	8.52	5.78	--	2.74	<250	<2.5	<2.5	<2.5	<5.0	413	--	PACE	--	--	--	--
	9/6/2002	--	--	8.52	6.14	--	2.38	130	<0.5	<0.5	<0.5	<0.5	240	--	SEQ	--	--	--	--
	12/13/2002	--	o	8.52	6.05	--	2.47	140	<1.0	<1.0	<1.0	<1.0	200	--	SEQ	--	--	--	--
	2/19/2003	--	p	8.52	5.40	--	3.12	<500	<5.0	<5.0	<5.0	<5.0	150	--	SEQ	--	--	--	--
	6/6/2003	--	--	8.52	5.54	--	2.98	1,100	<5.0	<5.0	<5.0	<5.0	140	--	SEQ	--	--	--	--
	8/7/2003	--	--	8.52	5.94	--	2.58	<500	<5.0	<5.0	<5.0	<5.0	160	--	SEQ	--	--	--	--
	11/20/2003	P	--	8.52	5.85	--	2.67	95	<0.50	<0.50	<0.50	<0.50	74	--	SEQM	7.0	--	--	--
	02/05/2004	P	f	8.52	5.86	--	2.66	<250	<2.5	<2.5	<2.5	<2.5	76	--	SEQM	7.3	--	--	--
	04/28/2004	P	--	8.52	5.45	--	3.07	<250	<2.5	<2.5	<2.5	<2.5	120	--	SEQM	7.3	--	--	--
	08/26/2004	P	--	8.52	6.06	--	2.46	<250	<2.5	<2.5	<2.5	<2.5	110	--	SEQM	7.1	--	--	<2.5
	12/01/2004	**P**	**--**	**8.52**	**6.19**	**--**	**2.33**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**86**	**--**	**SEQM**	**7.2**	**--**	**--**	**--**
MW-7	10/12/1993	--	k	7.61	6.14	--	1.47	<50	<0.5	<0.5	<0.5	0.7	<5.0	--	PACE	--	--	--	--
	2/15/1994	--	k	7.61	5.88	--	1.73	78	<0.5	<0.5	<0.5	0.6	<5.0	4.0	PACE	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-7	5/11/1994	--	k	7.61	5.76	--	1.85	70	<0.5	<0.5	<0.5	0.9	11.5	9.1	PACE	--	--	--	--
	8/1/1994	--	k	7.61	5.97	--	1.64	77	<0.5	<0.5	<0.5	0.5	182	2.5	PACE	--	--	--	--
	10/18/1994	--	k	7.61	6.24	--	1.37	<50	<0.5	<0.5	<0.5	<0.5	51.7	6.3	PACE	--	--	--	--
	1/13/1995	--	--	7.61	5.39	--	2.22	<50	<0.5	<0.5	<0.5	<1	--	8.2	ATI	--	--	--	--
	4/13/1995	--	--	7.61	5.17	--	2.44	63	<0.5	<0.5	<0.5	1.4	--	8.4	ATI	--	--	--	--
	7/11/1995	--	--	7.61	5.25	--	2.36	<50	<0.50	<0.50	<0.50	<1.0	--	7.9	ATI	--	--	--	--
	11/2/1995	--	--	7.61	6.19	--	1.42	<50	<0.50	<0.50	<0.50	<1.0	55	8.0	ATI	--	--	--	--
	2/5/1996	--	--	7.61	5.69	--	1.92	<50	<0.5	<1	<1	<1	40	1.9	SPL	--	--	--	--
	4/24/1996	--	--	7.61	5.59	--	2.02	<250	<2.5	<5	<5	<5	53	8.2	SPL	--	--	--	--
	7/15/1996	--	--	7.61	6.07	--	1.54	<250	<2.5	<5	<5	<5	<50	7.8	SPL	--	--	--	--
	7/30/1996	--	--	7.61	6.04	--	1.57	--	--	--	--	--	--	--	--	--	--	--	--
	11/4/1996	--	--	7.61	7.76	--	-0.15	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	7.61	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.8	SPL	--	--	--	--
	5/17/1997	--	--	7.61	6.42	--	1.19	--	--	--	--	--	--	--	--	--	--	--	--
	8/11/1997	--	--	7.61	6.06	--	1.55	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/1997	--	--	7.61	9.07	--	-1.46	<50	<0.5	<1.0	<1.0	<1.0	<10	7.1	SPL	--	--	--	--
	1/29/1998	--	--	7.61	7.44	--	0.17	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/1998	--	--	7.61	7.39	--	0.22	--	--	--	--	--	--	--	--	--	--	--	--
	12/30/1998	--	--	7.61	5.51	--	2.10	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1999	--	--	7.61	5.57	--	2.04	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/1999	--	--	7.61	6.69	--	0.92	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/1999	--	--	7.61	6.23	--	1.38	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1999	--	--	7.61	6.08	--	1.53	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/2000	--	--	7.61	4.88	--	2.73	--	--	--	--	--	--	--	--	--	--	--	--
	5/26/2000	--	--	7.61	5.42	--	2.19	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/2000	--	--	7.61	5.79	--	1.82	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2000	--	--	7.61	5.93	--	1.68	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/2001	--	--	7.61	5.24	--	2.37	600	<2.5	<2.5	<2.5	<7.5	636	--	PACE	--	--	--	--
	6/27/2001	--	--	7.61	5.69	--	1.92	590	<2.5	<2.5	<2.5	<7.5	739	--	PACE	--	--	--	--
	9/19/2001	--	--	7.61	5.89	--	1.72	560	<5.0	<5.0	<5.0	<15	1,190	--	PACE	--	--	--	--
	12/28/2001	--	--	7.61	4.53	--	3.08	910	22.7	<2.5	<2.5	<5.0	856	--	PACE	--	--	--	--
	3/12/2002	--	--	7.61	4.71	--	2.90	620	<2.5	<2.5	<2.5	<5.0	675	--	PACE	--	--	--	--
	6/13/2002	--	*	7.61	5.21	--	2.40	860	<2.5	<2.5	<2.5	<5.0	1,470	--	PACE	--	--	--	--
	9/6/2002	--	--	7.61	5.77	--	1.84	350	<2.5	<2.5	<2.5	<2.5	690	--	SEQ	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-7	12/13/2002	--	o	7.61	5.65	--	1.96	1,300	<10	<10	<10	<10	1,800	--	SEQ	--	--	--	--
	2/19/2003	--	p	7.61	5.07	--	2.54	1,700	<10	<10	<10	<10	1,600	--	SEQ	--	--	--	--
	6/6/2003	--	--	7.61	5.27	--	2.34	1,000	<5.0	<5.0	<5.0	<5.0	510	--	SEQ	--	--	--	--
	8/7/2003	--	--	7.61	5.52	--	2.09	510	<5.0	<5.0	<5.0	<5.0	520	--	SEQ	--	--	--	--
	11/20/2003	P	--	7.61	5.79	--	1.82	330	<2.5	<2.5	<2.5	<2.5	270	--	SEQM	7.2	--	--	--
	02/05/2004	P	s	7.61	5.48	--	2.13	470	<2.5	<2.5	<2.5	<2.5	270	--	SEQM	7.3	--	--	--
	04/28/2004	P	--	7.61	5.20	--	2.41	<250	<2.5	<2.5	<2.5	<2.5	71	--	SEQM	7.3	--	--	--
	08/26/2004	P	--	7.61	5.65	--	1.96	450	<2.5	<2.5	<2.5	2.8	150	--	SEQM	7.0	--	--	<0.50
	12/01/2004	**P**	**--**	**7.61**	**5.79**	**--**	**1.82**	**100**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**25**	**--**	**SEQM**	**7.1**	**--**	**--**	**--**
MW-8	10/12/1993	--	k	8.6	5.86	--	2.74	<50	<0.5	<0.5	<0.5	<0.5	11.1	--	PACE	--	--	--	--
	2/15/1994	--	k	8.6	5.50	--	3.10	380	<0.5	<0.5	<0.5	<0.5	<5.0	3.3	PACE	--	--	--	--
	5/11/1994	--	k	8.6	5.09	--	3.51	330	<0.5	1.2	<0.5	1.9	<5.0	8.5	PACE	--	--	--	--
	8/1/1994	--	k	8.6	5.20	--	3.40	260	<0.5	1.2	2.9	5.8	<5.0	2.3	PACE	--	--	--	--
	10/18/1994	--	k	8.6	5.70	--	2.90	82	<0.5	<0.5	<0.5	<0.5	<5.0	6.4	PACE	--	--	--	--
	1/13/1995	--	--	8.6	4.96	--	3.64	<50	<0.5	<0.5	<0.5	<1	--	6.9	ATI	--	--	--	--
	4/13/1995	--	--	8.6	5.40	--	3.20	270	<0.5	<0.5	<0.5	4.4	--	8.4	ATI	--	--	--	--
	7/11/1995	--	--	8.6	6.01	--	2.59	320	<0.50	<0.50	<0.50	3.5	--	8.0	ATI	--	--	--	--
	11/2/1995	--	--	8.6	6.81	--	1.79	100	<0.50	<0.50	<0.50	<1.0	<5.0	8.7	ATI	--	--	--	--
	2/5/1996	--	--	8.6	6.12	--	2.48	<50	<5	<10	<10	<10	<100	1.5	SPL	--	--	--	--
	4/24/1996	--	--	8.6	6.23	--	2.37	<50	<5	<10	<10	<10	<100	8.7	SPL	--	--	--	--
	7/15/1996	--	--	8.6	6.70	--	1.90	<250	<2.5	<5	<5	<5	<50	8.4	SPL	--	--	--	--
	7/30/1996	--	--	8.6	6.64	--	1.96	--	--	--	--	--	--	--	--	--	--	--	--
	11/4/1996	--	--	8.6	8.36	--	0.24	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	8.6	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.2	SPL	--	--	--	--
	5/17/1997	--	--	8.6	7.03	--	1.57	--	--	--	--	--	--	--	--	--	--	--	--
	8/11/1997	--	--	8.6	6.05	--	2.55	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/1997	--	--	8.6	9.14	--	-0.54	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	SPL	--	--	--	--
	1/29/1998	--	--	8.6	7.90	--	0.70	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/1998	--	--	8.6	7.72	--	0.88	--	--	--	--	--	--	--	--	--	--	--	--
	12/30/1998	--	h	8.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1999	--	h	8.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/1999	--	--	8.6	4.70	--	3.90	--	--	--	--	--	--	--	--	--	--	--	--
	9/23/1999	--	--	8.6	4.22	--	4.38	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-8	12/28/1999	--	--	8.6	4.12	--	4.48	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/2000	--	--	8.6	4.71	--	3.89	--	--	--	--	--	--	--	--	--	--	--	--
	5/26/2000	--	--	8.6	4.98	--	3.62	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/2000	--	--	8.6	4.62	--	3.98	--	--	--	--	--	--	--	--	--	--	--	--
	12/11/2000	--	--	8.6	4.77	--	3.83	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/2001	--	h	8.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2001	--	--	8.6	5.11	--	3.49	570	<2.5	<2.5	2.58	<7.5	3.43	--	PACE	--	--	--	--
	9/19/2001	--	--	8.6	5.00	--	3.60	<500	<5.0	<5.0	<5.0	<15	<5.0	--	PACE	--	--	--	--
	12/28/2001	--	--	8.6	4.15	--	4.45	440	<0.5	<0.5	0.975	<1.0	6.27	--	PACE	--	--	--	--
	3/12/2002	--	--	8.6	4.35	--	4.25	330	<2.5	<2.5	<2.5	<5.0	8.69	--	PACE	--	--	--	--
	6/13/2002	--	*	8.6	5.09	--	3.51	<500	<5.0	<5.0	<5.0	<10	16.4	--	PACE	--	--	--	--
	9/6/2002	--	--	8.6	5.18	--	3.42	98	<0.5	<0.5	<0.5	<0.5	76	--	SEQ	--	--	--	--
	12/13/2002	--	o	8.6	4.84	--	3.76	120	<0.5	<0.5	0.94	0.52	140	--	SEQ	--	--	--	--
	2/19/2003	--	p	8.6	4.45	--	4.15	<2500	<25	<25	<25	<25	800	--	SEQ	--	--	--	--
	6/6/2003	--	--	8.6	5.00	--	3.60	<50000	<500	<500	<500	<500	17,000	--	SEQ	--	--	--	--
	8/7/2003	--	--	8.6	4.84	--	3.76	<2500	<25	<25	<25	<25	2,400	--	SEQ	--	--	--	--
	11/20/2003	P	--	8.60	4.48	--	4.12	<2,500	<25	<25	<25	<25	1,400	--	SEQM	6.9	--	--	--
	02/05/2004	P	s	8.60	4.62	--	3.98	3,200	<25	<25	<25	<25	1,600	--	SEQM	6.9	--	--	--
	04/28/2004	P	--	8.60	9.66	--	-1.06	730	<2.5	<2.5	<2.5	<2.5	170	--	SEQM	6.9	--	--	--
	08/26/2004	P	--	8.60	4.73	--	3.87	<2,500	<25	<25	<25	<25	170	--	SEQM	6.8	--	--	<25
	12/01/2004	**P**	**--**	**8.60**	**4.80**	**--**	**3.80**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**36**	**--**	**SEQM**	**6.8**	**--**	**--**	**--**
MW-9	10/12/1993	--	--	8.08	5.66	0.08	2.34	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/1994	--	--	8.08	5.32	0.05	2.71	--	--	--	--	--	--	--	--	--	--	--	--
	5/11/1994	--	--	8.08	5.57	--	2.51	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/1994	--	--	8.08	6.25	--	1.83	--	--	--	--	--	--	--	--	--	--	--	--
	10/18/1994	--	--	8.08	5.59	0.13	2.36	--	--	--	--	--	--	--	--	--	--	--	--
	1/13/1995	--	--	8.08	4.42	0.14	3.52	--	--	--	--	--	--	--	--	--	--	--	--
	4/13/1995	--	--	8.08	4.06	0.11	3.91	--	--	--	--	--	--	--	--	--	--	--	--
	7/11/1995	--	--	8.08	4.21	0.08	3.79	--	--	--	--	--	--	--	--	--	--	--	--
	11/2/1995	--	--	8.08	5.22	0.05	2.81	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/1996	--	--	8.08	4.76	0.01	3.31	--	--	--	--	--	--	--	--	--	--	--	--
	4/24/1996	--	--	8.08	4.62	0.09	3.37	--	--	--	--	--	--	--	--	--	--	--	--
	7/15/1996	--	--	8.08	5.11	0.04	2.93	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-9	7/30/1996	--	--	8.08	5.15	--	2.93	--	--	--	--	--	--	--	---	--	--	---	---
	11/4/1996	--	--	8.08	6.75	0.01	1.32	--	--	--	--	--	--	--	---	--	--	---	---
	5/17/1997	--	e	--	--	--	--	97,000	16,000	8,200	2,300	17,300	39,000	--	SPL	--	--	---	---
	5/17/1997	--	--	8.08	5.42	--	2.66	97,000	16,000	7,700	2,300	18,400	40,000	7.0	SPL	--	--	---	---
	8/11/1997	--	e	--	--	--	--	100,000	14,000	360	3,200	5,790	27,000	--	SPL	--	--	---	---
	8/11/1997	--	--	8.08	5.37	--	2.71	71,000	12,000	340	2,100	4,300	26,000	9.1	SPL	--	--	---	---
	11/17/1997	--	e	--	--	--	--	100,000	24,000	5,300	3,500	19,300	35,000	--	SPL	--	--	---	---
	11/17/1997	--	r	8.08	5.62	--	2.46	100,000	22,000	4,800	3,100	17,900	32,000	8.3	SPL	--	--	---	---
	1/29/1998	--	e	--	--	--	--	250,000	20,000	20,000	3,100	18,400	110,000	--	SPL	--	--	---	---
	1/29/1998	--	r	8.08	4.07	--	4.01	250,000	20,000	21,000	3,100	18,500	110,000	6.6	SPL	--	--	---	---
	6/22/1998	--	e	--	--	--	--	290,000	20,000	17,000	3,800	21,200	110,000	--	SPL	--	--	---	---
	6/22/1998	--	--	8.08	4.28	--	3.80	280,000	21,000	18,000	3,800	21,200	110,000	5.8	SPL	--	--	---	---
	12/30/1998	--	f	8.08	4.95	--	3.13	150,000	10,000	3,800	2,000	9,600	86000/89000	--	SPL	--	--	---	---
	3/9/1999	--	--	8.08	3.95	--	4.13	82,000	6,800	570	1,400	4,700	100,000	--	SPL	--	--	---	---
	6/23/1999	--	--	8.08	5.12	--	2.96	41,000	11,000	820	2,300	5,200	92,000	--	SPL	--	--	---	---
	9/23/1999	--	--	8.08	4.74	--	3.34	57,000	12,000	5,400	1,900	9,500	89,000	--	SPL	--	--	---	---
	12/28/1999	--	--	8.08	4.58	--	3.50	46,000	15,000	490	2,500	3,500	100,000	--	PACE	--	--	---	---
	3/22/2000	--	--	8.08	3.90	--	4.18	86,000	18,000	1,800	2,300	6,800	120,000	--	PACE	--	--	---	---
	5/26/2000	--	--	8.08	4.15	--	3.93	82,000	17,000	680	1,800	3,800	100,000	--	PACE	--	--	---	---
	9/6/2000	--	--	8.08	4.47	--	3.61	100,000	19,000	280	2,400	6,400	84,000	--	PACE	--	--	---	---
	9/15/2000	--	--	8.08	4.34	--	3.74	--	--	--	--	--	--	--	---	--	--	---	---
	12/11/2000	--	--	8.08	4.41	--	3.67	110,000	14,400	768	2,610	6,670	123,000	--	PACE	--	--	---	---
	3/29/2001	--	h	8.08	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	6/26/2001	--	m, l	8.08	5.03	0.13	2.92	--	--	--	--	--	--	--	---	--	--	---	---
	9/19/2001	--	m	8.08	--	--	--	--	--	--	--	--	--	--	---	--	--	---	---
	12/28/2001	--	--	8.08	3.73	--	4.35	110,000	15,000	1,500	2,280	5,530	60,900	--	PACE	--	--	---	---
	3/12/2002	--	--	8.08	4.93	--	3.15	88,000	12,500	2,600	2,800	8,950	44,000	--	PACE	--	--	---	---
	6/13/2002	--	*	8.08	4.13	--	3.95	59,000	9,870	161	2,560	5,560	35,600	--	PACE	--	--	---	---
	9/6/2002	--	--	8.08	4.39	--	3.69	47,000	10,000	<100	2,100	4,600	31,000	--	SEQ	--	--	---	---
	12/13/2002	--	o	8.08	3.97	--	4.11	57,000	11,000	1,000	2,300	5,800	28,000	--	SEQ	--	--	---	---
	2/19/2003	--	p	8.08	3.25	--	4.83	76,000	10,000	2,100	3,000	8,900	11,000	--	SEQ	--	--	---	---
	6/6/2003	--	--	8.08	3.94	--	4.14	66,000	9,000	<500	2,500	4,400	17,000	--	SEQ	--	--	---	---
	8/7/2003	--	r	8.08	3.92	--	4.16	53,000	7,600	<250	2,600	4,700	17,000	--	SEQ	--	--	---	---

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

Well No.	Date	P/ NP	Foot Note	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	DRO/ TPH-d (µg/L)	TOG (µg/L)	HVOC (µg/L)
MW-9	11/20/2003	P	--	8.08	4.89	--	3.19	40,000	6,800	<250	860	1,100	16,000	--	SEQM	6.7	--	--	--
	02/05/2004	P	r, s	8.08	3.70	--	4.38	50,000	7,000	<250	1,900	3,800	12,000	--	SEQM	7.0	--	--	--
	04/28/2004	P	r	8.08	3.19	--	4.89	47,000	5,600	690	2,300	6,800	8,500	--	SEQM	7.7	--	--	--
	08/26/2004	P	--	8.08	3.61	--	4.47	35,000	3,700	500	1,300	5,300	6,500	--	SEQM	--	--	--	<50
	12/01/2004	**P**	**--**	**8.08**	**3.99**	**--**	**4.09**	**36,000**	**3,500**	**<250**	**1,200**	**4,300**	**8,300**	**--**	**SEQM**	**6.8**	**--**	**--**	**--**
QC-2	11/5/1992	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
	10/12/1993	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
	2/15/1994	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
	5/11/1994	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
	8/1/1994	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
	10/18/1994	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
	1/13/1995	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	--	--	--	--
	4/13/1995	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	--	--	--	--
	7/11/1995	--	g	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
	11/2/1995	--	g	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
	2/5/1996	--	g	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--
	4/24/1996	--	g	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--
	7/16/1996	--	g	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, CA

ABBREVIATIONS:
TPH-g Total petroleum hydrocarbons as gasoline
TPH-d Total petroleum hydrocarbons as diesel
GRO Gasoline Range Organics
DRO Diesel Range Organics
MTBE Methyl tert butyl ether
TOG Total oil and grease
HVOC Halogenated volatile organic compounds
DO Dissolved oxygen
P/NP Purge/No Purge
ug/L Micrograms per liter
mg/L Milligrams per liter
ppm Parts per million
< Not detected above reported detection limit
--- Not analyzed/applicable/measurable
PACE Pace, Inc.
ATI Analytical Technologies, Inc.
SPL Southern Petroleum Laboratories
SEQ Sequoia Analytical
TOC Top of Casing
DTW Depth to Water
GWE Groundwater Elevation

NOTES:
a Top of casing elevations surveyed relative to an established benchmark with an elevation of 8.11 feet above mean sea level.
b Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.
c Detection limits vary; see laboratory report.d A copy of the documentation for this data is included in Appendix C of Alisto report 10-061-07-004.
e Blind duplicate.
f EPA Methods 8020/8260 used.
g Travel blank.
h Inaccessible.
i Depth to water anomalous; groundwater elevation not used in contouring.
j Well paved over.
k A copy of the documentation for this data can be found in Blaine Tech Services report 010627-Z-1.MTBE data for the November 4, 1992 sampling event has been destroyed.No chromatograms could be located for MTBE data from well MW-5, sampled on October 12, 1993.
l Groundwater elevation is an estimate.
m Not sampled due to nature of SPH.
n Unable to sample.
o EPA Methods 8015B / 8021B used:
p Beginning in the first quarter 2003, TPHg and VOCs analyzed by EPA Method 8260B.
q Hydrocarbon pattern is present in the requested fuel quntitation range but does not resemble the pattern of the requested fuel.
r Sheen in well
s Discrete Peak @ C5
t HVOC detected was methlene chloride
* During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

Source:

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11126

1700 Powell St., Emeryville, CA

The data within this table collected prior to June 2002 was provided to URS by BP Remediation Managment and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, 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)	Footnotes/ Comments
MW-1	6/6/2003	<5,000	<1,000	1,400	<25	<25	<25	--	--	
	8/7/2003	<1,000	560	920	<5.0	<5.0	12	<5.0	<5.0	
	11/20/2003	1,800	<200	250	<5.0	<5.0	<5.0	--	--	a (ethanol)
	02/05/2004	<5,000	18,000	460	<25	<25	<25	<25	<25	
	04/28/2004	<1,000	950	200	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/26/2004	<500	320	180	<2.5	<2.5	<2.5	<2.5	<2.5	b
	12/01/2004	**<1,000**	**300**	**170**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
MW-2	6/6/2003	<200,000	<40,000	72,000	<1,000	<1,000	1,300	--	--	
	8/7/2003	<100,000	45,000	83,000	<500	<500	1,300	<500	<500	
	11/20/2003	<20,000	48,000	18,000	<100	<100	200	--	--	
	02/05/2004	<50,000	54,000	22,000	<250	<250	<250	<250	<250	
	04/28/2004	<50,000	59,000	31,000	<250	<250	<250	<250	<250	
	08/26/2004	23	<10,000	11,000	<250	<250	320	<250	<250	b
	12/01/2004	**<20,000**	**<4,000**	**10,000**	**<100**	**<100**	**230**	**<100**	**<100**	
MW-3	6/6/2003	<1,000	<200	180	<5.0	<5.0	16	--	--	
	8/7/2003	<1,000	<200	290	<5.0	<5.0	20	<5.0	<5.0	
	11/20/2003	<100	<20	17	<0.50	<0.50	1.4	--	--	
	02/05/2004	<100	32	12	<0.50	<0.50	0.90	<0.50	<0.50	
	04/28/2004	<200	<40	87	<1.0	<1.0	3.9	<1.0	<1.0	
	08/26/2004	<5.0	260	34	<0.50	<0.50	2.0	<0.50	<0.50	b
	12/01/2004	**<200**	**610**	**7.4**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	
MW-4	6/6/2003	<10,000	2,500	6,800	<50	<50	190	--	--	
	8/7/2003	<10,000	2,400	6,600	<50	<50	160	<50	<50	
	11/20/2003	<20,000	<4,000	11,000	<100	<100	310	--	--	
	02/05/2004	<5,000	10,000	4,700	<25	<25	110	<25	<25	
	04/28/2004	<50,000	15,000	3,600	<250	<250	<250	<250	<250	
	08/26/2004	<5.0	16,000	1,800	<25	<25	60	<25	<25	
	12/01/2004	**<2,000**	**19,000**	**450**	**<10**	**<10**	**10**	**<10**	**<10**	
MW-5	6/6/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	--	--	
	8/7/2003	<1,000	<200	18	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/20/2003	<500	<100	12	<2.5	<2.5	<2.5	--	--	
	02/05/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	

Table 2

Fuel Additives Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, 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)	Footnotes/ Comments
MW-5	04/28/2004	<500	<100	11	<2.5	<2.5	<2.5	<2.5	<2.5	
	08/26/2004	8.3	<100	74	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	**<1,000**	**<200**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
MW-6	6/6/2003	<1,000	<200	140	<5.0	<5.0	21	--	--	
	8/7/2003	<1,000	<200	160	<5.0	<5.0	20	<5.0	<5.0	
	11/20/2003	<100	<20	74	<0.50	<0.50	12	--	--	
	02/05/2004	<500	<100	76	<2.5	<2.5	10	<2.5	<2.5	
	04/28/2004	<500	<100	120	<2.5	<2.5	12	<2.5	<2.5	
	08/26/2004	11	<100	110	<2.5	<2.5	12	<2.5	<2.5	b
	12/01/2004	**<500**	**<100**	**86**	**<2.5**	**<2.5**	**11**	**<2.5**	**<2.5**	
MW-7	6/6/2003	<1,000	<200	510	<5.0	<5.0	41	--	--	
	8/7/2003	<1,000	<200	520	<5.0	<5.0	43	<5.0	<5.0	
	11/20/2003	<500	1,300	270	<2.5	<2.5	8.9	--	--	
	02/05/2004	<500	740	270	<2.5	<2.5	7.7	<2.5	<2.5	
	04/28/2004	<500	880	71	<2.5	<2.5	3.5	<2.5	<2.5	
	08/26/2004	6.0	4,800	150	<2.5	<2.5	7.8	<0.50	<0.50	
	12/01/2004	**<200**	**1,400**	**25**	**<1.0**	**<1.0**	**1.1**	**<1.0**	**<1.0**	
MW-8	6/6/2003	<100,000	<20,000	17,000	<500	<500	<500	--	--	
	8/7/2003	<5,000	<1,000	2,400	<25	<25	44	<25	<25	
	11/20/2003	<5,000	4,100	1,400	<25	<25	<25	--	--	b
	02/05/2004	<5,000	24,000	1,600	<25	<25	<25	<25	<25	
	04/28/2004	<500	42,000	170	<2.5	<2.5	<2.5	<2.5	<2.5	c
	08/26/2004	<5.0	47,000	170	<25	<25	<25	<25	<25	
	12/01/2004	**<500**	**9,700**	**36**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
MW-9	6/6/2003	<100,000	<20,000	17,000	<500	<500	<500	--	--	
	8/7/2003	<50,000	<10,000	17,000	<250	<250	350	<250	<250	
	11/20/2003	<50,000	12,000	16,000	<250	<250	<250	--	--	
	02/05/2004	<50,000	<10,000	12,000	<250	<250	280	<250	<250	
	04/28/2004	<25,000	<5,000	8,500	<120	<120	170	<120	<120	
	08/26/2004	13	2,600	6,500	<50	<50	140	<50	<50	d (TBA)
	12/01/2004	**<50,000**	**<10,000**	**8,300**	**<250**	**<250**	**<250**	**<250**	**<250**	

Table 2

Fuel Additives Analytical Data

Former BP Station #11126
1700 Powell St., Emeryville, CA

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-Dibromoethane
EDB = 1,2-Dichloroethane
ug/L = micrograms per liter
< = Not detected above the laboratory detection limit.
-- = Not analyzed/not sampled/not mesaured/not available

a = Confirmatory analysis was past holding time
b = The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
c = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
d = Initial analysis within holding time but required dilution.
e = Split samples analyzed by EPA Method 8260B SIM

Table 3
Groundwater Extraction Volumes and Depth To Water Measurements
Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

Well Number	Date	Pre-extraction Depth To Water (ft)	Intermediate [1] Depth To Water (ft)	Final [2] Depth To Water (ft)	Volume Extracted (gal) [3]	Cumulative Volume Extracted (gal)	Comments
MW-1	6/8/2004	3.54	3.29	3.20	1.87	1.87	
	6/25/2004	3.24	3.24	6.29	1.92	3.79	
	7/8/2004	4.22	3.55	6.35	1.76	5.55	
	7/20/2004	3.18	3.25	6.19	1.93	7.48	
	8/3/2004	5.89	3.79	7.43	1.49	8.96	
	8/17/2004	3.55	3.47	7.44	1.87	10.83	
	8/31/2004	3.49	3.33	5.30	1.88	12.71	
	9/14/2004	3.89	3.40	4.03	1.81	14.52	Well lock broken
	9/28/2004					14.52	
	10/5/2004	**3.58**	**3.49**	**7.32**	**1.86**	**16.39**	
Reporting Period					**Period Volume Extracted, gal**		
10/04 - 12/04 (Fourth Quarter 2004)					**1.86**		
MW-2	6/8/2004	4.78	4.57	8.54	1.67	1.67	
	6/25/2004	4.62	4.61	7.19	1.69	3.36	
	7/8/2004	4.70	4.69	7.75	1.68	5.04	
	7/20/2004	4.77	4.77	8.26	1.67	6.71	
	8/3/2004	4.80	4.79	5.72	1.66	8.38	
	8/17/2004	4.80	4.80	5.70	1.66	10.04	
	8/31/2004	4.67	4.46	5.15	1.69	11.73	
	9/14/2004	4.63	4.64	5.38	1.69	13.42	
	9/28/2004					13.42	
	10/5/2004	**4.79**	**4.80**	**5.17**	**1.67**	**15.09**	
Reporting Period					**Period Volume Extracted, gal**		
10/04 - 12/04 (Fourth Quarter 2004)					**1.67**		
MW-4	6/8/2004	8.05	5.56	7.65	1.13	1.13	
	6/25/2004	7.92	6.42	8.83	1.16	2.29	
	7/8/2004	6.15	5.32	8.88	1.44	3.73	
	7/20/2004	6.83	5.70	9.57	1.33	5.07	
	8/3/2004	6.93	5.70	10.12	1.32	6.38	
	8/17/2004	5.45	5.20	10.14	1.56	7.94	
	8/31/2004	6.50	5.60	9.35	1.39	9.33	
	9/14/2004	5.79	5.66	10.25	1.50	10.83	
	9/28/2004					10.83	
	10/5/2004	**6.13**	**5.44**	**9.59**	**1.45**	**12.28**	
Reporting Period					**Period Volume Extracted, gal**		
10/04 - 12/04 (Fourth Quarter 2004)					**1.45**		
MW-8	6/8/2004	4.87	4.66	8.66	1.65	1.65	
	6/25/2004	4.63	4.63	9.23	1.69	3.35	
	7/8/2004	4.59	4.60	11.58	1.70	5.04	
	7/20/2004	4.71	4.71	10.00	1.68	6.72	
	8/3/2004	4.66	4.67	10.40	1.69	8.41	
	8/17/2004	4.75	4.75	10.39	1.67	10.08	
	8/31/2004	4.75	4.74	11.55	1.67	11.76	
	9/14/2004	4.71	4.75	8.96	1.68	13.44	Well cap broken
	9/28/2004					13.44	
	10/5/2004	**4.88**	**4.88**	**9.68**	**1.65**	**15.09**	

Table 3
Groundwater Extraction Volumes and Depth To Water Measurements
Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

Well Number	Date	Pre-extraction Depth To Water (ft)	Intermediate [1] Depth To Water (ft)	Final [2] Depth To Water (ft)	Volume Extracted (gal) [3]	Cumulative Volume Extracted (gal)	Comments
Reporting Period 10/04 - 12/04 (Fourth Quarter 2004)					**Period Volume Extracted, gal 1.65**		
MW-9	6/8/2004	3.55	NM	13.10	7.47	7.47	Sheen observed
	6/25/2004	3.63	NM	11.37	7.42	14.90	
	7/8/2004	3.76	DRY	13.10	7.34	22.23	Sheen observed
	7/20/2004	3.80	NM	9.27	7.31	29.54	Sheen observed
	8/3/2004	3.87	13.26	10.52	7.27	36.81	
	8/17/2004	3.73	NM	8.53	7.36	44.17	Sheen observed
	8/31/2004	3.84	NM	10.07	7.28	51.45	Sheen observed
	9/14/2004	3.76	NM	7.78	7.34	58.79	Sheen observed
	9/28/2004					58.79	
	10/5/2004	**4.03**	**NM**	**10.25**	**7.16**	**65.95**	**Sheen observed**
Reporting Period 10/04 - 12/04 (Fourth Quarter 2004)					**Period Volume Extracted, gal 7.16**		
Total Volume Extracted This Period, gal			**13.79**				
Total Cumulative Volume Extracted, gal			**124.79**				

Notes:

1 = Depth to water measurement taken after extraction from well MW-9, but before extraction from wells MW-1, MW-2, MW-4 and MW-8

2 = Depth to water measurement taken after extraction from all extraction wells (MW-9, MW-1, MW-2, MW-4 and MW-8).

3 = Volume extracted estimated based calculated well volume and number of times dewatered (typically 1 to 2 per event).

ft = feet

gal = gallons

NM = not measured

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 041201-DW-2 Date 12-1-04 Client ~~Emeryville~~ Arco 11126

Site 1700 Powell St. Emeryville

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					3.93	11.48		
MW-2	2					4.79	12.10		
MW-3	2					5.69	11.60		
MW-4	2					7.34	10.93		
MW-5	2	odor				5.38	12.30		
MW-6	2					6.19	12.40		
MW-7	2					5.79	13.60		
MW-8	2					4.80	13.83		
MW-9	4	odor				3.99	13.94		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041201-OW-2	Station # 11126
Sampler: DW	Date: 12-1-04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 11.48	Depth to Water: 3.93
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; X Disposable Bailer; Extraction Port; Other: _____

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

1.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
13:22	65.7	6.9	1815	1.2	
13:25	66.4	6.8	1799	2.4	
13:27	66.4	6.8	1825	3.6	

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Time: 13:37 Sampling Date: 12-1-04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

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 #: 041201-DW-2	Station # 11126
Sampler: DW	Date: 12-1-04
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 12.10	Depth to Water: 4.79
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
- (X) Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: _____

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

Top of Screen: _____

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

1.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1440	64.9	7.0	1167	1.2	gray/brown sheen odor
1443	65.7	6.9	1047	2.4	" " "
1446	65.5	6.9	1013	3.6	" " "

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Time: 14:51 Sampling Date: 12-1-04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

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 #: 041201-OW-2	Station # 11126
Sampler: DW	Date: 12-1-04
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 11.60	Depth to Water: 5.69
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
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: _____

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

Top of Screen: _____

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

0.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 2.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
12:02	67.0	6.9	1800	0.9	
12:04	67.5	6.9	1884	1.8	
12:06	67.6	6.9	2924	2.7	

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Time: 12:11 Sampling Date: 12-1-04

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

Analyzed for: (GRO) (BTEX) MTBE (DRO) Other: See SOW

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 #: 041201-OW-2	Station # 11126
Sampler: OW	Date: 12-1-04
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 10.93	Depth to Water: 7.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: ____

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

0.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 1.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
14:30	66.9	7.1	2315	0.6	yellow
	well dewatered @ 0.7			DTW =	9.75
15:15	64.9	7.1	2574	—	yellow

Did well dewater? (Yes) No — Gallons actually evacuated: 0.7

Sampling Time: 1515 — Sampling Date: 12-1-04

Sample I.D.: MW-4 — Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: See SOW

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 #: 041201-DW-2	Station # 11126
Sampler: DW	Date: 12-1-04
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 12.30	Depth to Water: 5.38
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

1.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
13:45	65.7	7.0	941	1.1	gray
13:48	68.4	6.9	645	2.2	"
13:50	68.7	6.9	636	3.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Time: 13:55 Sampling Date: 12-1-04

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

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 #: 041201-OW-2	Station # 11126
Sampler: DW	Date: 12-1-04
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 12.40	Depth to Water: 6.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

1.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
12:40	70.4	7.1	2346	1	cloudy
12:42	71.1	7.1	1975	2	"
12:44	71.4	7.2	1850	3	gray

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Time: 12:49 Sampling Date: 12-1-04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

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 #: 041201-OW-2	Station # 11126
Sampler: OW	Date: 12-1-04
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.60	Depth to Water: 5.79
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
X Disposable Bailer
Positive Air Displacement
Electric Submersible
Extraction Pump
Other: _____

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

Top of Screen: _____

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

1.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (S)	Gals. Removed	Observations
13:00	71.5	7.2	2809	1.2	
13:03	71.9	7.2	2597	2.4	gray
13:05	71.8	7.1	2438	3.6	"

Did well dewater? Yes (No)		Gallons actually evacuated: 3.6	
Sampling Time: 13:10		Sampling Date: 12-1-04	
Sample I.D.: MW-7		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: See SOW	
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 #: 041201-DW-2	Station # 11126
Sampler: DW	Date: 12-1-04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.83	Depth to Water: 4.80
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
X Disposable Bailer
Positive Air Displacement
Electric Submersible
Extraction Pump
Other: _____

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

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

1.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
14:12	69.2	6.7	1547	1.4	yellow
14:15	70.5	6.7	1788	2.8	"
14:18	71.7	6.8	1963	4.2	"
	Rinsed HCl from VOAs due to reaction				

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Time: 14:23 Sampling Date: 12-1-04

Sample I.D.: MW-8 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See SOW

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 #: 041201-OW-2	Station # 11126
Sampler: OW	Date: 12-1-04
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 13.94	Depth to Water: 3.99
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: X Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ___

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

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

6.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 19.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
14:55	no	parameters taken		6.5	Heavy sheen/strong odor
	well	dewatered @		9 gl.	DTW= 12.90
~~15:30~~	~~no~~	~~parameters taken~~		—	
15:30	64.8	6.8	1230	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 9

Sampling Time: 15:30 — Sampling Date: 12-1-04

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

Analyzed for: (GRO) (BTEX) MTBE DRO — Other:

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

Chain of Custody Record

Project Name 11126 GWM - 041201-PW-1
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 12-1-04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time:	11:15 Temp: 55°
Off- site Time:	15:40 Temp: 58°
Sky Conditions:	sunny
Meteorological Events:	
Wind Speed:	Direction:

end To:	BP/GEM Facility No.: 11126	Consultant/Contractor: URS
ab Name: SEQUOIA	BP/GEM Facility Address: 1700 POWELL ST., EMERYVILLE, CA	Address: 1333 Broadway, Suite 800
ab Address: 885 Jarvis Dr.	Site ID No. 11126	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600100208	Consultant/Contractor Project No.:
ab PM Lisa Race	BP/GEM PM Contact: ~~PAUL SUPPLE~~ Kyle Christie	Consultant Tele/Fax: 510-893-3600/510-874-3268
ele/Fax: 408-782-8156 / 408-782-6308	Address: ~~P.O. Box 6549~~ 4 Centerpointe Dr LBR-4-172	Consultant/Contractor PM: Leonard Niles
eport Type & QC Level: 1 Send EDF Reports	La Palma ~~Moraga~~, CA ~~94570~~ 90623	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
P/GEM Account No.: 400-6-21124	Tele/Fax: ~~925-299-8891/925-299-8872~~ (714) 670-5303	BP/GEM Work Release No:

ab Bottle Order No:

tem No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: GRO / BTEX 8260	DRO w/ SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	TOG (1664)			Sample Point Lat/Long and Comments
1	MW-1	13:32		X				3				X			X				X	X	X				
2	MW-2	14:51						3				X			X				X	X	X				
3	MW-3	12:11						7	X			X			X	X			X	X	X	X			
4	MW-4	15:15						3				X			X				X	X	X				
5	MW-5	13:55										X			X				X	X	X				
6	MW-6	12:49										X			X				X	X	X				
7	MW-7	13:10										X			X				X	X	X				
8	MW-8	14:73							X						X				X	X	X				
9	MW-9	15:30													X				X	X	X				
10	TB-11126-120104	—						2																	On Hold

ampler's Name: Dave Walter	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
ampler's Company: Blaine Tech	David C Walt					
hipment Date:						
hipment Method:						
hipment Tracking No:						

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

ustody 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:

11126

Station #

1700 Powell St. Emeryville

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

35

added equip. rinse water 5

any other adjustments

TOTAL GALS. RECOVERED 40

loaded onto BTS vehicle # 47

BTS event # 04 1201-ow-2

time 15:30

date 12/1/04

signature David C Galt

* *

REC'D AT

time

date

___/___/___

unloaded by signature

WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 12-1-04

Site Address 1700 Powell St. Emeryville

Job Number 04120I-0W-2 Technician DW

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1		X						
MW-2		X						
MW-3		X						
MW-4								
MW-5		X						
MW-6		X					X	
MW-7		X					X	
MW-8		X		X		X	X	
MW-9								

NOTES: MW-6 Apron cracking
MW-7 Bolts loose
MW-8- 1 tab broken

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

16 December, 2004

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

RE: BP Heritage #11126, Emeryville, CA
Work Order: MNL0095

Enclosed are the results of analyses for samples received by the laboratory on 12/02/04 16:50. 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 #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	*Project Number:* N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	12/16/04 17:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNL0095-01	Water	12/01/04 13:32	12/02/04 16:50
MW-2	MNL0095-02	Water	12/01/04 14:51	12/02/04 16:50
MW-3	MNL0095-03	Water	12/01/04 12:11	12/02/04 16:50
MW-4	MNL0095-04	Water	12/01/04 15:15	12/02/04 16:50
MW-5	MNL0095-05	Water	12/01/04 13:55	12/02/04 16:50
MW-6	MNL0095-06	Water	12/01/04 12:49	12/02/04 16:50
MW-7	MNL0095-07	Water	12/01/04 13:10	12/02/04 16:50
MW-8	MNL0095-08	Water	12/01/04 14:23	12/02/04 16:50
MW-9	MNL0095-09	Water	12/01/04 15:30	12/02/04 16:50
TB-11126-120104	MNL0095-10	Water	12/01/04 00:00	12/02/04 16:50

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.

MS/MSD is reported for all batches in which the laboratory received sufficient sample volume to perform the MS/MSD analysis. In the case where there was insufficient sample volume received for all samples associated in the batch, LCS/LCSD is analyzed in place of the MS/MSD.

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URS Corporation [Arco]	Project: BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MNL0095-03) Water Sampled: 12/01/04 12:11 Received: 12/02/04 16:50									
Diesel Range Organics (C10-C36)	**690**	49	ug/l	1	4L06002	12/06/04	12/06/04	EPA 8015B-SVOA	PT
Surrogate: n-Octacosane		*126 %*	*34-123*		"	"	"	"	*LH,AY*

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	12/16/04 17:39

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNL0095-01) Water Sampled: 12/01/04 13:32 Received: 12/02/04 16:50									
tert-Amyl methyl ether	ND	5.0	ug/l	10	4L13006	12/13/04	12/13/04	EPA 8260B	
Benzene	**380**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**300**	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	**34**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**170**	5.0	"	"	"	"	"	"	
Toluene	**8.0**	5.0	"	"	"	"	"	"	
Xylenes (total)	**76**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**2100**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*78-129*		"	"	"	"	
MW-2 (MNL0095-02) Water Sampled: 12/01/04 14:51 Received: 12/02/04 16:50									
tert-Amyl methyl ether	**230**	100	ug/l	200	4L13006	12/13/04	12/14/04	EPA 8260B	
Benzene	**8400**	100	"	"	"	"	"	"	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethanol	ND	20000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Ethylbenzene	**4600**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**10000**	100	"	"	"	"	"	"	
Toluene	**13000**	100	"	"	"	"	"	"	
Xylenes (total)	**21000**	100	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**98000**	10000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number.N/P	**Reported:**
Oakland CA, 94612	Project Manager.Leonard Niles	12/16/04 17:39

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MNL0095-03) Water Sampled: 12/01/04 12:11 Received: 12/02/04 16:50									
tert-Amyl methyl ether	ND	1.0	ug/l	2	4L10003	12/10/04	12/11/04	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	**610**	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**7.4**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*78-129*		"	"	"	"	
MW-4 (MNL0095-04) Water Sampled: 12/01/04 15:15 Received: 12/02/04 16:50									
tert-Amyl methyl ether	**10**	10	ug/l	20	4L10003	12/10/04	12/11/04	EPA 8260B	
Benzene	ND	10	"	"	"	"	"	"	
tert-Butyl alcohol	**19000**	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	2000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**450**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1100**	1000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number:N/P	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/16/04 17:39

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MNL0095-05) Water Sampled: 12/01/04 13:55 Received: 12/02/04 16:50									
tert-Amyl methyl ether	ND	5.0	ug/l	10	4L13006	12/13/04	12/13/04	EPA 8260B	
Benzene	**11**	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	**5.5**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**15**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**4300**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*78-129*		"	"	"	"	
MW-6 (MNL0095-06) Water Sampled: 12/01/04 12:49 Received: 12/02/04 16:50									
tert-Amyl methyl ether	**11**	2.5	ug/l	5	4L10003	12/10/04	12/11/04	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**86**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*78-129*		"	"	"	"	

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885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
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URS Corporation [Arco]	Project:BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number:N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MNL0095-07) Water Sampled: 12/01/04 13:10 Received: 12/02/04 16:50									
tert-Amyl methyl ether	**1.1**	1.0	ug/l	2	4L13006	12/13/04	12/13/04	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1400**	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**25**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**100**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*79 %*	*78-129*		"	"	"	"	
MW-8 (MNL0095-08) Water Sampled: 12/01/04 14:23 Received: 12/02/04 16:50									**BZ,BU**
tert-Amyl methyl ether	ND	2.5	ug/l	5	4L11002	12/11/04	12/11/04	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	*500*	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**36**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*78-129*		"	"	"	"	

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project: BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	12/16/04 17:39

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MNL0095-08RE1) Water Sampled: 12/01/04 14:23 Received: 12/02/04 16:50									
tert-Butyl alcohol	**9700**	200	ug/l	10	4L15011	12/15/04	12/15/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*78-129*		"	"	"	"	
MW-9 (MNL0095-09) Water Sampled: 12/01/04 15:30 Received: 12/02/04 16:50									
tert-Amyl methyl ether	ND	250	ug/l	500	4L13006	12/13/04	12/13/04	EPA 8260B	
Benzene	**3500**	250	"	"	"	"	"	"	
tert-Butyl alcohol	ND	10000	"	"	"	"	"	"	
Di-isopropyl ether	ND	250	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	250	"	"	"	"	"	"	
1,2-Dichloroethane	ND	250	"	"	"	"	"	"	
Ethanol	ND	50000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Ethylbenzene	**1200**	250	"	"	"	"	"	"	
Methyl tert-butyl ether	**8300**	250	"	"	"	"	"	"	
Toluene	ND	250	"	"	"	"	"	"	
Xylenes (total)	**4300**	250	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**36000**	25000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*78-129*		"	"	"	"	

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MNL0095-03) Water	**Sampled: 12/01/04 12:11**	**Received: 12/02/04 16:50**							
Oil & Grease (HEM)	ND	5.0	mg/l	1	4L07043	12/07/04	12/07/04	EPA 1664A	

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1333 Broadway, Suite 800	Project Number:N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L06002 - EPA 3510C / EPA 8015B-SVOA										
Blank (4L06002-BLK1)				Prepared & Analyzed: 12/06/04						
Diesel Range Organics (C10-C36)	ND	50	ug/l							
Surrogate: n-Octacosane	*46.1*		"	*50.0*		*92*	*34-123*			
Laboratory Control Sample (4L06002-BS1)				Prepared & Analyzed: 12/06/04						
Diesel Range Organics (C10-C36)	493	50	ug/l	500		99	51-128			
Surrogate: n-Octacosane	*45.4*		"	*50.0*		*91*	*34-123*			
Laboratory Control Sample Dup (4L06002-BSD1)				Prepared & Analyzed: 12/06/04						
Diesel Range Organics (C10-C36)	508	50	ug/l	500		102	51-128	3	27	
Surrogate: n-Octacosane	*44.2*		"	*50.0*		*88*	*34-123*			

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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URS Corporation [Arco]	Project.BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

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 4L10003 - EPA 5030B P/T / EPA 8260B										
Blank (4L10003-BLK1)				Prepared & Analyzed: 12/10/04						
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	*4.47*		"	*5.00*		*89*	*78-129*			
Laboratory Control Sample (4L10003-BS1)				Prepared & Analyzed: 12/10/04						
tert-Amyl methyl ether	9 54	0.50	ug/l	10 0		95	82-140			
Benzene	8.82	0.50	"	10 0		88	69-124			
tert-Butyl alcohol	58 0	20	"	50.0		116	56-131			
Di-isopropyl ether	9.52	0.50	"	10 0		95	76-130			
1,2-Dibromoethane (EDB)	9 31	0.50	"	10.0		93	77-132			
1,2-Dichloroethane	9.52	0.50	"	10 0		95	77-136			
Ethanol	241	100	"	200		120	31-143			
Ethyl tert-butyl ether	9.65	0.50	"	10.0		96	81-121			
Ethylbenzene	9.51	0.50	"	10.0		95	84-132			
Methyl tert-butyl ether	9.72	0.50	"	10.0		97	63-137			
Toluene	8.75	0 50	"	10 0		88	78-129			
Xylenes (total)	*29.4*	*0.50*	"	*30 0*		*98*	*83-137*			
Surrogate: 1,2-Dichloroethane-d4	*4.42*		"	*5.00*		*88*	*78-129*			

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URS Corporation [Arco]	Project:BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number:N/P	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/16/04 17:39

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 4L10003 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (4L10003-BS2)				Prepared & Analyzed: 12/10/04						
Benzene	5.24	0.50	ug/l	6.40		82	69-124			
Ethylbenzene	8.16	0.50	"	7.52		109	84-132			
Methyl tert-butyl ether	8.56	0.50	"	9.92		86	63-137			
Toluene	32.8	0.50	"	31.9		103	78-129			
Xylenes (total)	42.1	0.50	"	36.6		115	83-137			
Gasoline Range Organics (C4-C12)	404	50	"	440		92	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.47*		"	*5.00*		*89*	*78-129*			
Laboratory Control Sample Dup (4L10003-BSD1)				Prepared & Analyzed: 12/10/04						
tert-Amyl methyl ether	9.68	0.50	ug/l	10.0		97	82-140	1	20	
Benzene	9.93	0.50	"	10.0		99	69-124	12	20	
tert-Butyl alcohol	59.4	20	"	50.0		119	56-131	2	20	
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130	6	20	
1,2-Dibromoethane (EDB)	9.54	0.50	"	10.0		95	77-132	2	20	
1,2-Dichloroethane	9.80	0.50	"	10.0		98	77-136	3	20	
Ethanol	256	100	"	200		128	31-143	6	20	
Ethyl tert-butyl ether	10.0	0.50	"	10.0		100	81-121	4	20	
Ethylbenzene	10.9	0.50	"	10.0		109	84-132	14	20	
Methyl tert-butyl ether	9.64	0.50	"	10.0		96	63-137	0.8	20	
Toluene	10.1	0.50	"	10.0		101	78-129	14	20	
Xylenes (total)	33.2	0.50	"	30.0		111	83-137	12	20	
Surrogate: 1,2-Dichloroethane-d4	*4.24*		"	*5.00*		*85*	*78-129*			
Matrix Spike (4L10003-MS1)	**Source: MNL0058-08**			Prepared & Analyzed: 12/10/04						
Benzene	1660	25	ug/l	320	1500	50	69-124			BB,LN
Ethylbenzene	1780	25	"	376	1400	101	84-132			
Methyl tert-butyl ether	353	25	"	496	2.5	71	63-137			
Toluene	1690	25	"	1600	64	102	78-129			
Xylenes (total)	6000	25	"	1830	4000	109	83-137			
Gasoline Range Organics (C4-C12)	43200	2500	"	22000	26000	78	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.38*		"	*5.00*		*88*	*78-129*			

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885 Jarvis Drive
Morgan Hill, CA 95037
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URS Corporation [Arco]	Project BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

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 4L10003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (4L10003-MSD1)	***Source: MNL0058-08***			Prepared & Analyzed: 12/10/04						
Benzene	1760	25	ug/l	320	1500	81	69-124	6	20	
Ethylbenzene	1850	25	"	376	1400	120	84-132	4	20	
Methyl tert-butyl ether	438	25	"	496	2.5	88	63-137	21	20	RB
Toluene	1770	25	"	1600	64	107	78-129	5	20	
Xylenes (total)	6110	25	"	1830	4000	115	83-137	2	20	
Gasoline Range Organics (C4-C12)	49700	2500	"	22000	26000	108	70-124	14	20	
Surrogate: 1,2-Dichloroethane-d4	*4.26*		"	*5.00*		*85*	*78-129*			
Batch 4L11002 - EPA 5030B P/T / EPA 8260B										
Blank (4L11002-BLK1)				Prepared & Analyzed: 12/11/04						
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	*2.09*		"	*2.50*		*84*	*78-129*			
Laboratory Control Sample (4L11002-BS1)				Prepared & Analyzed: 12/11/04						
tert-Amyl methyl ether	11.1	*0.50*	ug/l	*10.0*		*111*	*82-140*			
Benzene	11.1	0.50	"	10 0		111	69-124			
tert-Butyl alcohol	55 1	20	"	50.0		110	56-131			
Di-isopropyl ether	11.8	0.50	"	10.0		118	76-130			
1,2-Dibromoethane (EDB)	10 0	0.50	"	10 0		100	77-132			
1,2-Dichloroethane	9 72	0.50	"	10 0		97	77-136			
Ethanol	120	100	"	200		60	31-143			
Ethyl tert-butyl ether	10 6	0.50	"	10.0		106	81-121			
Ethylbenzene	9.98	0 50	"	10 0		100	84-132			
Methyl tert-butyl ether	11 7	0 50	"	10 0		117	63-137			

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URS Corporation [Arco]	Project:BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number:N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

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 4L11002 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (4L11002-BS1)				Prepared & Analyzed: 12/11/04						
Toluene	10.9	0.50	ug/l	10.0		109	78-129			
Xylenes (total)	29.3	0 50	"	30 0		98	83-137			
Surrogate: 1,2-Dichloroethane-d4	*2.10*		"	*2.50*		*84*	*78-129*			
Laboratory Control Sample (4L11002-BS2)				Prepared & Analyzed: 12/11/04						
Benzene	6 21	0 50	ug/l	6.40		97	69-124			
Ethylbenzene	7.64	0 50	"	7.52		102	84-132			
Methyl tert-butyl ether	9 69	0.50	"	9.92		98	63-137			
Toluene	36 3	0.50	"	31.9		114	78-129			
Xylenes (total)	36 4	0.50	"	36.6		99	83-137			
Gasoline Range Organics (C4-C12)	443	50	"	440		101	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.02*		"	*2.50*		*81*	*78-129*			
Laboratory Control Sample Dup (4L11002-BSD1)				Prepared & Analyzed: 12/11/04						
tert-Amyl methyl ether	11.0	0.50	ug/l	10 0		110	82-140	0 9	20	
Benzene	10 6	0.50	"	10.0		106	69-124	5	20	
tert-Butyl alcohol	56.7	20	"	50 0		113	56-131	3	20	
Di-isopropyl ether	11.4	0 50	"	10.0		114	76-130	3	20	
1,2-Dibromoethane (EDB)	9 66	0.50	"	10 0		97	77-132	3	20	
1,2-Dichloroethane	9 41	0.50	"	10 0		94	77-136	3	20	
Ethanol	149	100	"	200		74	31-143	22	20	RB
Ethyl tert-butyl ether	10.2	0.50	"	10.0		102	81-121	4	20	
Ethylbenzene	9.42	0.50	"	10.0		94	84-132	6	20	
Methyl tert-butyl ether	11 3	0.50	"	10.0		113	63-137	3	20	
Toluene	10.4	0.50	"	10.0		104	78-129	5	20	
Xylenes (total)	28 0	0.50	"	30.0		93	83-137	5	20	
Surrogate: 1,2-Dichloroethane-d4	*1.95*		"	*2.50*		*78*	*78-129*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
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URS Corporation [Arco]	Project: BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	12/16/04 17:39

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 4L11002 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (4L11002-MS1)	**Source: MNL0095-08**			Prepared & Analyzed: 12/11/04						
Benzene	29.6	2.5	ug/l	32.0	ND	92	69-124			
Ethylbenzene	36.4	2.5	"	37.6	ND	97	84-132			
Methyl tert-butyl ether	87.0	2.5	"	49.6	36	103	63-137			
Toluene	175	2.5	"	160	ND	109	78-129			
Xylenes (total)	176	2.5	"	183	ND	96	83-137			
Gasoline Range Organics (C4-C12)	2280	250	"	2200	190	95	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.08*		"	*2.50*		*83*	*78-129*			
Matrix Spike Dup (4L11002-MSD1)	**Source: MNL0095-08**			Prepared & Analyzed: 12/11/04						
Benzene	30.8	2.5	ug/l	32.0	ND	96	69-124	4	20	
Ethylbenzene	37.2	2.5	"	37.6	ND	99	84-132	2	20	
Methyl tert-butyl ether	88.0	2.5	"	49.6	36	105	63-137	1	20	
Toluene	176	2.5	"	160	ND	110	78-129	0.6	20	
Xylenes (total)	182	2.5	"	183	ND	99	83-137	3	20	
Gasoline Range Organics (C4-C12)	2340	250	"	2200	190	98	70-124	3	20	
Surrogate: 1,2-Dichloroethane-d4	*1.92*		"	*2.50*		*77*	*78-129*			*LG*
Batch 4L13006 - EPA 5030B P/T / EPA 8260B										
Blank (4L13006-BLK1)				Prepared & Analyzed: 12/13/04						
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	*4.46*		"	*5.00*		*89*	*78-129*			

Sequoia Analytical

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

URS Corporation [Arco]	Project.BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number.N/P	**Reported:**
Oakland CA, 94612	Project Manager.Leonard Niles	12/16/04 17:39

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 4L13006 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (4L13006-BS1)				Prepared & Analyzed: 12/13/04						
tert-Amyl methyl ether	8.69	0 50	ug/l	10.0		87	82-140			
Benzene	8 45	0 50	"	10.0		84	69-124			
tert-Butyl alcohol	55.8	20	"	50 0		112	56-131			
Di-isopropyl ether	8 48	0.50	"	10 0		85	76-130			
1,2-Dibromoethane (EDB)	8.74	0.50	"	10 0		87	77-132			
1,2-Dichloroethane	8 53	0 50	"	10.0		85	77-136			
Ethanol	187	100	"	200		94	31-143			
Ethyl tert-butyl ether	8 38	0 50	"	10.0		84	81-121			
Ethylbenzene	9.63	0.50	"	10 0		96	84-132			
Methyl tert-butyl ether	8.45	0.50	"	10.0		84	63-137			
Toluene	8 85	0 50	"	10.0		88	78-129			
Xylenes (total)	30.2	0.50	"	30 0		101	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.08*		"	*5.00*		*82*	*78-129*			
Laboratory Control Sample (4L13006-BS2)				Prepared & Analyzed: 12/13/04						
Benzene	5 03	0.50	ug/l	6.40		79	69-124			
Ethylbenzene	7.49	0.50	"	7.52		100	84-132			
Methyl tert-butyl ether	8.10	0 50	"	9.92		82	63-137			
Toluene	31.0	0.50	"	31 9		97	78-129			
Xylenes (total)	38 4	0 50	"	36.6		105	83-137			
Gasoline Range Organics (C4-C12)	368	50	"	440		84	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.32*		"	*5.00*		*86*	*78-129*			
Laboratory Control Sample Dup (4L13006-BSD1)				Prepared & Analyzed: 12/13/04						
tert-Amyl methyl ether	9.48	0.50	ug/l	10.0		95	82-140	9	20	
Benzene	9.81	0.50	"	10.0		98	69-124	15	20	
tert-Butyl alcohol	59.0	20	"	50 0		118	56-131	6	20	
Di-isopropyl ether	9.40	0.50	"	10 0		94	76-130	10	20	
1,2-Dibromoethane (EDB)	9.60	0.50	"	10 0		96	77-132	9	20	
1,2-Dichloroethane	9.35	0.50	"	10.0		94	77-136	9	20	
Ethanol	256	100	"	200		128	31-143	31	20	RB
Ethyl tert-butyl ether	9 39	0 50	"	10.0		94	81-121	11	20	
Ethylbenzene	11 0	0 50	"	10.0		110	84-132	13	20	
Methyl tert-butyl ether	9 28	0.50	"	10.0		93	63-137	9	20	
Toluene	10 0	0 50	"	10.0		100	78-129	12	20	
Xylenes (total)	33 7	0.50	"	30.0		112	83-137	11	20	

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URS Corporation [Arco]	Project.BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

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 4L13006 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (4L13006-BSD1)				Prepared & Analyzed: 12/13/04						
Surrogate: 1,2-Dichloroethane-d4	*4.10*		*ug/l*	*5.00*		*82*	*78-129*			
Matrix Spike (4L13006-MS1)	**Source: MNL0095-02**			Prepared & Analyzed: 12/13/04						
Benzene	8370	50	ug/l	640	8400	NR	69-124			BB,LN
Ethylbenzene	5280	50	"	752	4600	90	84-132			
Methyl tert-butyl ether	10600	50	"	992	10000	60	63-137			E, BB,LN
Toluene	15000	50	"	3190	13000	63	78-129			E, BB,LN
Xylenes (total)	23600	50	"	3660	21000	71	83-137			BB,LN
Gasoline Range Organics (C4-C12)	128000	5000	"	44000	98000	68	70-124			LN
Surrogate: 1,2-Dichloroethane-d4	*4.17*		"	*5.00*		*83*	*78-129*			
Matrix Spike Dup (4L13006-MSD1)	**Source: MNL0095-02**			Prepared & Analyzed: 12/13/04						
Benzene	8780	50	ug/l	640	8400	59	69-124	5	20	BB,LN
Ethylbenzene	5530	50	"	752	4600	124	84-132	5	20	
Methyl tert-butyl ether	10700	50	"	992	10000	71	63-137	0 9	20	E
Toluene	15600	50	"	3190	13000	82	78-129	4	20	E
Xylenes (total)	24600	50	"	3660	21000	98	83-137	4	20	
Gasoline Range Organics (C4-C12)	136000	5000	"	44000	98000	86	70-124	6	20	
Surrogate: 1,2-Dichloroethane-d4	*4.10*		"	*5.00*		*82*	*78-129*			
Batch 4L15011 - EPA 5030B P/T / EPA 8260B										
Blank (4L15011-BLK1)				Prepared & Analyzed: 12/15/04						
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	*5.17*		"	*5.00*		*103*	*78-129*			

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URS Corporation [Arco]	Project BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number.N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

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 4L15011 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (4L15011-BS1)				Prepared & Analyzed: 12/15/04						
tert-Amyl methyl ether	10.1	0 50	ug/l	10.0		101	82-140			
Benzene	10.2	0 50	"	10.0		102	69-124			
tert-Butyl alcohol	49.8	20	"	50.0		100	56-131			
Di-isopropyl ether	11.4	0 50	"	10.0		114	76-130			
1,2-Dibromoethane (EDB)	10.5	0 50	"	10.0		105	77-132			
1,2-Dichloroethane	11.9	0.50	"	10.0		119	77-136			
Ethanol	235	100	"	200		118	31-143			
Ethyl tert-butyl ether	10.9	0 50	"	10.0		109	81-121			
Ethylbenzene	9.82	0.50	"	10.0		98	84-132			
Methyl tert-butyl ether	11.4	0 50	"	10.0		114	63-137			
Toluene	9.96	0 50	"	10.0		100	78-129			
Xylenes (total)	29.5	0 50	"	30.0		98	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.16*		"	*5.00*		*103*	*78-129*			
Matrix Spike (4L15011-MS1)	**Source: MNL0356-01**			Prepared & Analyzed: 12/15/04						
tert-Amyl methyl ether	9.58	0.50	ug/l	10 0	ND	96	82-140			
Benzene	9.03	0.50	"	10.0	ND	90	69-124			
tert-Butyl alcohol	49.6	20	"	50.0	ND	99	56-131			
Di-isopropyl ether	10 9	0.50	"	10.0	ND	109	76-130			
1,2-Dibromoethane (EDB)	10 4	0.50	"	10.0	ND	104	77-132			
1,2-Dichloroethane	11.2	0.50	"	10 0	ND	112	77-136			
Ethanol	250	100	"	200	ND	125	31-143			
Ethyl tert-butyl ether	10.1	0.50	"	10 0	ND	101	81-121			
Ethylbenzene	8 82	0.50	"	10.0	ND	88	84-132			
Methyl tert-butyl ether	10.8	0 50	"	10.0	ND	108	63-137			
Toluene	8.90	0 50	"	10.0	ND	89	78-129			
Xylenes (total)	26.6	0.50	"	30 0	ND	89	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.36*		"	*5.00*		*107*	*78-129*			

Sequoia Analytical

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Morgan Hill, CA 95037
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www sequoialabs.com

URS Corporation [Arco]	Project.BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number.N/P	**Reported:**
Oakland CA, 94612	Project Manager Leonard Niles	12/16/04 17:39

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 4L15011 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (4L15011-MSD1)	**Source: MNL0356-01**			Prepared & Analyzed: 12/15/04						
tert-Amyl methyl ether	9.68	0.50	ug/l	10 0	ND	97	82-140	1	20	
Benzene	9.19	0 50	"	10.0	ND	92	69-124	2	20	
tert-Butyl alcohol	48.8	20	"	50 0	ND	98	56-131	2	20	
Di-isopropyl ether	11.0	0.50	"	10.0	ND	110	76-130	0.9	20	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10 0	ND	105	77-132	1	20	
1,2-Dichloroethane	11.4	0.50	"	10 0	ND	114	77-136	2	20	
Ethanol	245	100	"	200	ND	122	31-143	2	20	
Ethyl tert-butyl ether	10.4	0.50	"	10 0	ND	104	81-121	3	20	
Ethylbenzene	9 23	0.50	"	10.0	ND	92	84-132	5	20	
Methyl tert-butyl ether	11 1	0.50	"	10.0	ND	111	63-137	3	20	
Toluene	9.02	0.50	"	10 0	ND	90	78-129	1	20	
Xylenes (total)	28.3	0 50	"	30.0	ND	94	83-137	6	20	
Surrogate: 1,2-Dichloroethane-d4	*5.07*		"	*5.00*		*101*	*78-129*			

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number:N/P	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/16/04 17:39

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L07043 - General Prep / EPA 1664A										
Blank (4L07043-BLK1)				Prepared & Analyzed: 12/07/04						
Oil & Grease (HEM)	ND	5 0	mg/l							
Laboratory Control Sample (4L07043-BS1)				Prepared & Analyzed: 12/07/04						
Oil & Grease (HEM)	19.5	5.0	mg/l	20.0		98	78-118			
Laboratory Control Sample Dup (4L07043-BSD1)				Prepared & Analyzed: 12/07/04						
Oil & Grease (HEM)	19.4	5.0	mg/l	20.0		97	78-118	0.5	18	

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11126, Emeryville, CA	MNL0095
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	12/16/04 17:39

Notes and Definitions

SG	A silica gel cleanup procedure was performed.
RB	RPD exceeded method control limit; % recoveries within limits.
PT	Hydrocarb. in req. fuel range, but doesn't resemble req. fuel
LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LH,AY	Surrogate recovery above the acceptance limits. Matrix interference suspected.
LG	Surrogate recovery below the acceptance limits.
E	EPA Flag - Analyte exceeded the concentration range of the GC/MS
BZ,BU	Sample preserved improperly. Sample analyzed after holding time expired.
BB,LN	Sample > 4x spike concentration.
DET	*Analyte DETECTED*
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name 11126 GWM - 041201-GW-1
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 12-1-04
Requested Due Date (mm/dd/yy) 14 day TAT

MNL0095

On-site Time: 11:15 Temp: 55°
Off-site Time: 15:40 Temp: 58°
Sky Conditions: Sunny
Meteorological Events:
Wind Speed: Direction:

Send To:
Lab Name: SEQUOIA
Lab Address: 885 Jarvis Dr.
Morgan Hill, CA 95037
Lab PM Lisa Race
Tele/Fax: 408-782-8156 / 408-782-6308
Report Type & QC Level: 1 Send EDF Reports
BP/GEM Account No.: 400-6-21124

BP/GEM Facility No.: 11126
BP/GEM Facility Address: 1700 POWELL ST., EMERYVILLE, CA
Site ID No. 11126
Site Lat/Long:
California Global ID #: T0600100208
BP/GEM PM Contact: ~~PAUL SUPPLE~~ Kyle Christie
Address: ~~P.O. Box 6549~~ 4 Centerpointe Dr LPR-4-172
La Palma ~~Moraga~~, CA ~~94570~~ 90623
Tele/Fax: ~~925-299-8691/925-299-8879~~ (714)670-5303

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:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: GRO / BTEX 8260	DRO w/ SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	TOG (1664)	Sample Point Lat/Long and Comments
1	MW-1	13:32		X			01	3				X	X				X	X	X		
2	MW-2	14:51					02	3				X	X				X	X	X		
3	MW-3	12:11					03	7	X			X	X	X			X	X	X	X	
4	MW-4	15:15					04	3				X	X				X	X	X		
5	MW-5	13:55					05	1				X	X				X	X	X		
6	MW-6	12:41					06					X	X				X	X	X		
7	MW-7	13:10					07					X	X				X	X	X		
8	MW-8	14:23					08		X				X				X	X	X		
9	MW-9	15:30					09						X				X	X	X		
10	TB-11126-120104	—					10	2													On Hold

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Dave Walter	David C Walter	12/1/04	1120		12/2/04	1120
Sampler's Company: Blaine Tech			Lesc		12/2/04	1650
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

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

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

BP COC Rev. 1 2/502

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP 11126
REC. BY (PRINT): JD
WORKORDER: 0412005

DATE REC'D AT LAB: 12/2/04
TIME REC'D AT LAB: 1650
DATE LOGGED IN: 12-3-04

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

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent / Intact / Broken*	01	A-C	MW-1	VOA (3)	HCl	—	W	12/1/04	
2. Chain-of-Custody Present / Absent*	02		-2	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent	03		-3	LAmbi (2)	HCl				
4. Airbill: Airbill / Sticker Present / Absent	04		-4	1L Amb (2)	—				
5. Airbill #:	05		-5	VOA (3)	HCl				
6. Sample Labels: Present / Absent	06		-6						
7. Sample IDs: Listed / Not Listed on Chain-of-Custody	07		-7						
8. Sample Condition: Intact / Broken* / Leaking*	08		-8						
	09	A-D	TB-112604	(2)					
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: 5.6 Is temp 4°C +/-2°C? Yes / No**									

[Acceptance range for samples requiring thermal pres.]

**Exception (if any): METALS / OFF ON ICE or Problem COC

12/2/04

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

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	12/28/2004 2:37:03 PM

Processing is complete. No errors were found!
You may now proceed to the upload page.

Back to Main Menu

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

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**4Q 2004 QMR Geowell BP Site 11126**
Submittal Date/Time:	**12/28/2004 2:37:49 PM**
Confirmation Number:	**3318867325**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	12/28/2004 2:38:54 PM
GLOBAL ID:	T0600100208
FILE UPLOADED:	BP#11126-EDF-MNL0095.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click here to view the detections report for this upload.

BP MOBIL
1700 POWELL ST
EMERYVILLE, CA 94608

Regional Board - Case #: 01-0222
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: 4050
ALAMEDA COUNTY LOP - **(RWS)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	9
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	8
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,E1664A,SW8015B
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	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y

- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	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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Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 4499243676
Date/Time of Submittal: 12/28/2004 2:39:37 PM
Facility Global ID: T0600100208
Facility Name: BP MOBIL
Submittal Title: 4Q 2004 QMR EDF BP Site 11126
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

BP MOBIL
1700 POWELL ST
EMERYVILLE, CA 94608

Regional Board - Case #: 01-0222
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: 4050
ALAMEDA COUNTY LOP - **(RWS)**

CONF #	TITLE	QUARTER
4499243676	4Q 2004 QMR EDF BP Site 11126	Q4 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	12/28/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	9
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	8
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,E1664A,SW8015B
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	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	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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ATTACHMENT D

GROUNDWATER BATCH EXTRACTION FIELD LOGS

Former BP Service Station #11126
1700 Powell Street
Emeryville, California

Ground Water Monitoring Log

Site # 11126

Date : 10-05-04 **Technician :** M Gomez

Well ID	Initial DTW	Time	Post MW-9 extraction	Time	Final DTW	Time	Comments
MW-1	3,58	0630	3.49	0812	7.32	0841	
MW-2	4.79	0638	4.80	0813	5,17	0845	
MW-4	6,13	0640	5.44	0815	9.59	0847	
MW-8	4,88	0637	4,88	0811	9,68	0839	
MW-9	4.03	0633			10.25	0850	Sheen.

Final DTW is taken after extraction of MW-1, 2, 4 and 8.

Remarks: 0550- Arrived on site. Set up for GWE event.

0730- Gettler arrived.

0800- Started GWE event. MW-9 1st round.
0810 - Stopped GWE and did DTW

0817- Started GWE second round MW-1, 2, 4, 8
0837- Stopped GWE second round.

Field Report

Field Office: 1333 Broadway, Suite 800	Date: 10 05 04	
Oakland, CA. 94612	Project: 11126	
Prepared By: Mike Gomes	Location: Emeryville	
To: Project Managers	Weather: Overcast	Temp. 57 °F
	Client: BP	
Page: _____ of _____	Contractor: URS	

0550 - Arrived on site. Set up for GWE event.

0730 - Dillard arrived, set up truck.

0800 - Started GWE on MW-9.

0810 - Stopped GWE and did DTW MW 1, 2, 4, 8

0817 - Started GWE on MW-1, 2, 4, 8.

0837 - Stopped GWE. and did final DTW on all wells.

Secured wells and well vaults.

0915 - Left site.

SS
10/07/04.